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## West Allegheny High School Program of Studies 2017-18

*A Tradition of Excellence... A Vision for Tomorrow*

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# **WEST ALLEGHENY HIGH SCHOOL ADMINISTRATORS, COUNSELORS, AND SUPPORT STAFF**

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Dear West Allegheny High School students,

Are you “ready?” Whether you are a rising senior entering your final year of high school or just beginning your journey as a freshman, the contents of this document are powerful. Throughout the following pages, you will find opportunities for you to help prepare yourself for careers and college, push yourself beyond limits you never thought possible, cultivate and refine your interests and skills, and explore a variety of life’s wonderings. All the while you will be tasked with the responsibility to mold into productive, educated, global citizens prepared to take on your future endeavors after West Allegheny, whether they be post-secondary education in a two or four year institution, obtaining industry certifications in preparation for a career, or enlisting in one of our United States military branches. With this in mind, it is important that you use this catalog wisely, sharing your thoughts and goals with parents, family members, teachers, coaches, advisors, and school counselors, in order to choose the courses and programs that best prepares and challenges you for your future.

In an effort to help focus your course selections, you will find all of our courses aligned with newly developed ***Career and College Pathways***. These pathways are designed to connect you to a viable career and/or post-secondary education. Each of you will identify with one or more concentration area, based on your individual interests and skills, post-secondary goals, and potential career aspirations. Within each concentration area you will find information to help focus course selections based on recommended courses for each pathway. Student choice and flexibility, both within and among the pathways, allows you to navigate a well-rounded foundation and experience a plethora of curricular options related to each specified concentration area.

The focus of the administration and staff at the high school is to prepare you for whatever your post-secondary endeavors may be, while giving you the greatest opportunities to be successful and challenging you to be your best. As the backbone to our efforts, we focus on three dimensions to define career and college “readiness”:

- ***Academic preparedness*** refers to key academic content knowledge and cognitive strategies needed to succeed in doing college-level work and in preparing for career training. Access to rigorous college level and pre-career courses, such as Advanced Placement, Project Lead the Way, and College in High School courses enhance student readiness in this dimension. Students should strive to maintain a minimum GPA of 3.0.
- ***Academic tenacity*** refers to the underlying beliefs and attitudes that drive student achievement. Being in class and facing productive struggle and challenge help students develop into tenacious learners ready to face adversity. Students should strive to exceed 95% attendance rates.
- ***Career and college knowledge*** is the knowledge base and contextual skills that enable students to successfully access and navigate college and career paths.

You too should be mindful of these dimensions as you select your courses for the 2017-18 school year and plan for your future, striving to challenge yourself and accomplish your loftiest goals. Know that the staff of West Allegheny High School is here to support and guide you, so please utilize your teachers, school counselors, coaches, advisors, administrators, support staff, nurse, and librarian, and allow us to help you to be “ready!”

Sincerely,



Kevin McKiernan  
Academic Principal

# WEST ALLEGHENY HIGH SCHOOL

## GRADUATION CREDIT REQUIREMENTS

A minimum of 26.25 total credits, as outlined below, is required to be completed in grades 9-12. These requirements are established by the Pennsylvania Department of Education and the West Allegheny School District School Board. Students and parents are reminded that ALL credits AND requirements must be satisfied upon the completion of a student's senior year to participate in commencement ceremonies. It is the student's and parent's responsibility to know the requirements for promotion and graduation and to make plans accordingly. Credits listed below are minimum requirements. All students are required to schedule and maintain a minimum of 7.00 credits each academic year. Students are encouraged to take additional credits and/or higher level courses.

Minimum Course Requirements for All Students				
Within the credits required in each academic area, every student is <i>minimally</i> required to successfully complete the following courses.				
English	English 9	English 10	English 11	English 12
Mathematics	Algebra I	Geometry	Algebra II	
Science	Biology	Chemistry	Physics	
Social Studies	U.S. History	American Government		

	Class of 2018	Class of 2019 and beyond
English	4	4
Mathematics	4	4
Science	4	4
Social Studies	4	4
Elective	8.50	8.25
Physical Education/Health	1.75* (.25 Health req'd) <small>*Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.</small>	2.0* (.5 Health req'd) <small>*Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.</small>
State Assessment	Proficient or Advanced on Literature Keystone AND Algebra I Keystone AND Biology Keystone OR Locally Approved Project per Assessed Content Area	Proficient or Advanced on Literature Keystone AND Algebra I Keystone AND Biology Keystone OR Locally Approved Project per Assessed Content Area
TOTAL Required	26.25	26.25

## PARKWAY WEST CTC STUDENTS

Any student who enrolls in a program offered at Parkway West CTC for a minimum of three years including the senior year will only be required to earn a minimum of three credits of mathematics, science, and social studies, as long as the student meets the minimum required courses for each academic area. A student who chooses not to re-enroll in a Parkway West program he/she attended previously would default to requirements of non-CTC student. This decision may result in the need to take more than one course in the academic areas in a year, limiting elective options. All students are required to schedule and maintain a minimum of 7.00 credits each academic year.

	Class of 2018	Class of 2019 and beyond
English	4	4
Mathematics	3	3
Science	3	3
Social Studies	3	3
Elective (at Parkway CTC)	11.5	11.25
Physical Education/Health	1.75* (.25 Health req'd) <small>*Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.</small>	2.0* (.5 Health req'd) <small>*Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.</small>
State Assessment	Proficient or Advanced on Literature Keystone AND Algebra I Keystone AND Biology Keystone OR Locally Approved Project per Assessed Content Area	Proficient or Advanced on Literature Keystone AND Algebra I Keystone AND Biology Keystone OR Locally Approved Project per Assessed Content Area
TOTAL	26.25	26.25

### Minimum Credit Requirements for Promotion for All Students

In order to be promoted each year, students must pass a minimum number of credits. Listed below is the minimum total number of credits a student must have earned by the end of each grade to be promoted to the next grade level. Opportunities for credit recovery will be available during the summer at a cost to the student.

9	4.00
10	10.00
11	17.25
Graduation	26.25

# GRADING SCALE

The West Allegheny School District utilizes the following grading scale. Quarterly report cards will designate student letter and percentage grades. Student transcripts will only reflect a student's final letter grade for each course. Courses graded as Pass/Fail will be designated with a P or F on both report cards and transcripts.

A 90 – 100%	P - Pass
B 80 – 89%	F - Fail
C 70 – 79%	I - Incomplete (awarded in special circumstances only)
D 60 – 69%	X - Missing a major component of the course that MUST be completed to potentially pass the class. Seniors with an X grade will not be eligible for graduation.
F 59% and below	M - Medical (for physical education only)

## QUALITY POINT VALUES / WEIGHTED GRADES

QPA will be calculated at the end of each marking period and will be printed on the official transcript. Post secondary institutions often use the combination of the student's QPA, score on the SAT or ACT along with other selection criteria unique to the institution.

West Allegheny High School utilizes a three tiered point system for weighting classes. Students who earn a letter grade of "A," "B," or "C" in a weighted course will receive an additional quality point assessment per grading period. The final letter grade will remain the same; only the quality points will change.

The tables below represent the weighted and non-weighted point values for all full credit courses and courses with a lab. Only the point values increase, the credit for each course remains the same. Additionally, the point values are lower for courses that are not a full credit.

Percentages	Grade	AP / CHS / PLTW Courses	Honors Courses	All Other Courses
90-100	A	5.00	4.50	4.00
80-89	B	4.00	3.50	3.00
70-79	C	3.00	2.50	2.00
60-69	D	1.00	1.00	1.00
0-59	F	0	0	0

Percentages	Grade	AP / CHS / PLTW Courses With a Lab	Honors Courses With a Lab	All Other Courses With a Lab
90-100	A	7.50	6.75	6.00
80-89	B	6.00	5.25	4.50
70-79	C	4.50	3.75	3.00
60-69	D	1.50	1.50	1.50
0-59	F	0	0	0

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# **WEIGHTED COURSES**

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## **ADVANCED PLACEMENT (AP): WEIGHTED ON 5.0 SCALE**

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The Advanced Placement (AP) Program is a nationally recognized rigorous curriculum sponsored by the College Board. The AP Program provides an opportunity for high school students to choose college level courses and receive undergraduate college credits or advanced standing if their AP Exam scores qualify. Over 90% of colleges in the United States give credit or provide advanced standing to students whose AP Exam scores are acceptable. Please visit [CollegeBoard's AP Credit Policy website](#) to view policies regarding colleges awarding credit for AP Exam scores. AP students will be required to take the AP Exam in May at no cost to the student.

West Allegheny High School prepares students for Advanced Placement (AP) Exams in the subjects listed below. Courses in **bold type** may be taken by students in their sophomore year of high school. Additionally, students who elect to participate in the AP Capstone program have the opportunity to earn the AP Capstone Diploma or AP Seminar & Research Certificate. More information about both of these opportunities can be found on subsequent pages.

### **AP Capstone**

#### **AP Seminar**

AP Research (coming in 2018-2019)

### **Arts**

AP Studio Art: Drawing

### **English**

AP English Language & Composition

AP English Literature & Composition

### **History and Social Sciences**

#### **AP Government & Politics**

AP Economics (Macro & Micro)

AP Psychology

#### **AP United States History (WAVA only)**

AP World History

### **STEM**

#### **AP Biology**

AP Calculus AB

AP Chemistry

#### **AP Computer Science A**

#### **AP Computer Science Principles**

AP Physics 1

AP Physics 2

#### **AP Statistics**

### **World Languages & Cultures**

AP French Language & Culture

AP German Language & Culture

AP Spanish Language & Culture

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## **COLLEGE IN HIGH SCHOOL (CHS): WEIGHTED ON 5.0 SCALE**

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College in High School programs are offered in conjunction with local colleges. These programs enable high school students to build skills and get a head start on college.

### **CHS with Robert Morris University**

CHS Financial Accounting

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## PROJECT LEAD THE WAY: WEIGHTED ON 5.0 SCALE

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Project Lead The Way provides a comprehensive approach to STEM (science, technology, engineering, mathematics) Education. Through activity-based, project-based, and problem-based curriculum, PLTW gives students a chance to apply what they know, identify problems, find unique solutions, and lead their own learning.

### **Engineering Program**

Introduction to Engineering Design  
Principles of Engineering  
Digital Electronics  
Environmental Sustainability  
Civil Engineering & Architecture  
Engineering Design & Development – Capstone Course

### **Biomedical Sciences Program**

Principles of Biomedical Science  
Human Body Systems  
Medical Interventions

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## ADDITIONAL WEIGHTED COURSES: WEIGHTED ON 4.5 SCALE

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### **Arts**

Art IV

### **English**

Pre-AP/Honors English 9  
Pre-AP/Honors English 10

### **History and Social Sciences**

Honors U.S. History  
Honors American Government  
Honors Psychology  
Honors Sociology  
Honors Comparative Religions  
Honors Holocaust and Genocide Studies

### **STEM**

Honors Biology  
Honors Chemistry  
Anatomy and Physiology  
Honors Algebra II  
Honors Trigonometry/Precalculus  
Advanced Programming/Android App Development

### **World Languages**

Mandarin Chinese III (WAVA ONLY)  
French IV  
German IV  
Spanish IV

# AP Capstone Curriculum

## AP Capstone Diploma™

Students who earn scores of 3 or higher in both of the AP Capstone courses and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™.

### AP SEMINAR (Year 1)

- Team Project & Presentation
- Research-Based Essay & Presentation
- End-of-Course Exam

### AP RESEARCH (Year 2)

- Research Process Documentation
- Academic Thesis Paper
- Presentation & Oral Defense

4 AP COURSES & EXAMS  
(Taken at any point throughout high school)

## AP Seminar and Research Certificate™

Students who earn scores of 3 or higher in both of the AP Capstone courses but not on the four additional AP Exams will receive the AP Seminar and Research Certificate™, signifying successful performance in those courses.

## AP Seminar

This foundational course, typically taken in grade 10 or 11, provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through a variety of lenses and consider multiple points of view to develop deep understanding of complex issues as they make connections between these issues and their own lives.

Students read articles, research studies, and foundational and philosophical texts; listen to and view speeches, broadcasts, and personal accounts; and experience artistic and literary works to gain a rich appreciation and understanding of issues.

Teachers have the flexibility to choose appropriate themes that allow for deep exploration based on student interests, local and civic issues, global or international topics, and concepts from other AP courses.

### Sample Topics or Themes

- Education
- Innovation
- Revolution
- Sustainability
- Technology

### Assessment

Students are assessed with two through-course performance tasks and an end-of-course exam. The AP Seminar score is based on all three assessments and is reported on the standard 1–5 AP scoring scale.

## AP Research

*(AP Seminar is a prerequisite for AP Research)*

The second course in the AP Capstone experience allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest. Through this inquiry and investigation, students demonstrate the ability to apply scholarly understanding to real-world problems and issues.

Students further the skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information to build, present, and defend an argument.

### Assessment

Students are assessed through culminating performance tasks:

- Academic thesis paper (approximately 5,000 words) with a defined structure
- Presentation, performance, or exhibition and oral defense of research and presentation

The AP Research score is based on these components and is reported on the standard 1–5 AP scoring scale.

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# **PARKWAY WEST CAREER & TECHNOLOGY CENTER INDUSTRY CERTIFICATIONS**

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West Allegheny High School students seeking to begin career training may now attend the Parkway West Career & Technology Center starting in 9<sup>th</sup> grade. The Parkway West CTC both offers a variety of programs to give students hands-on career training and allows students to earn industry certifications while still in high school.

Earning an industry certification has many benefits. It gives students a sense of accomplishment, a highly valued professional credential, and helps students become more employable with higher starting salaries. Valid reliable certifications are also evidence of technical skill attainment. Parkway West Career & Technology Center provides students with the opportunity to earn the industry certifications listed below.

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## **AUTO BODY REPAIR**

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- PA State Emissions Inspection Certificate
- PA State Inspection Certificate
- EPA Area Source Rule Training Certificate
- S/P2 Mechanical Pollution Prevention Certificate
- S/P2 Interview Skills Certificate
- S/P2 Mechanical Safety Certificate
- S/P2 Collision Pollution Prevention Certificate
- S/P2 Collision Safety Certificate
- PA Skills Certificate

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## **AUTOMOTIVE TECHNOLOGY**

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- S/P2 Mechanical Safety Certificate
- S/P2 Pollution Prevention Certificate
- MACSW Section 609 Certificate
- PA State Inspection Certificate
- PA State Emissions Inspection Certificate
- PA Skills Certificate

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## **BUILDING CONSTRUCTION TECHNOLOGY**

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- OSHA 10 Hour Certificate
- PA Skills Certificate

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## **COSMETOLOGY**

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- PA Licensed Cosmetologist
- PA Skills Certificate

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## **CULINARY ARTS**

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- ServSafe Certificate
- PA Skills Certificate

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## **DIGITAL MULTIMEDIA**

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- Adobe Certificate in Visual Communications
- PA Skills Certificate

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## **ELECTRICAL SYSTEMS TECHNOLOGY**

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- PA Skills Certificate

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## **HEALTH ASSISTANT**

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- PA Nurse Aide Registry Certificate
- Certified Pharmacy Technician Certificate
- Heartsaver AED First Aid Certificate
- PA Skills Certificate

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## **HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION (HVAC/R)**

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- OSHA 10 Hour Certificate
- PA Skills Certificate

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## **INFORMATION TECHNOLOGY ESSENTIALS**

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- CISCO Certificate of Completion
- CISCO ITE Certificate
- CISCO CAN Introduction to Networking Certificate
- CompTIA A+ Certificate
- PA Skills Certificate

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## **MASONRY**

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- PA Skills Certificate

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## **PUBLIC SAFETY**

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- Emergency Medical Technician
- CPR for Health Care Providers
- VFIS Patient Handling Certificate
- Introduction to Fire Service Certificate
- Fire Ground Support Certificate
- Exterior Fire Fighter Certificate
- Hazardous Materials Awareness Certificate
- Basic Rigging for Rope Rescue Certificate
- Hazardous Materials Operations Certificate
- NIMS 100 Intro to Incident Command Certificate
- NIMS 200 ICS for Single Resources Incident Certificate
- NIMS 700 National Response Management Certificate
- NIMS 800 A National Response Plan Management
- Practical & Tactical Handcuffing Certificate
- Personal Protection Baton Tactics Certificate
- PA Skills Certificate

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## **VETERINARY ASSISTANT TECHNOLOGY**

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- Pack Leader Certificate
- Certified Veterinary Assistant Certificate
- Pet Tech Pet Saver Certificate
- First Aid and CPR Certification
- PA Skills Certificate

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## **WELDING**

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- SMAW Vertical Welding Certificate
- FMAW Vertical Welding Certificate
- PA Skills Certificate

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## **CCBC AVIATION ACADEMY**

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The CCBC Aviation Academy is a nationally distinctive institution as it is the only program currently in existence in the United States that offers high school students the opportunity to explore Professional Pilot, Air Traffic Control, and Unmanned Aerial Vehicles career paths.

Students will gain hands-on experience inside and outside the classroom at the Academy's Aviation Sciences Center and at the Beaver County Airport. Through the CCBC aviation student, students may earn up to 26 college credits while still attending high school.

This is a dual enrollment program through the Community College of Beaver County. Classes for this program will be held on the campus of the Parkway West Career and Technology Center.

Semester cost is discounted for Aviation Academy students: \$210.00/credit for tuition and fees. Scholarships are available for qualified students. College Books are provided at no cost by CCBC.

***Grade level: 10, 11, 12***



# CORE COURSES

The courses listed below are considered core courses and may be used to fulfill graduation requirements for the subjects areas indicated. Courses in **bold type** are elective courses offered outside of each academic department that can count as the fourth core credit for the department under which they are listed.

\*Students may receive a weighted grade on the 4.5 scale for courses marked with one asterisk (\*).

\*\* Students may receive a weighted grade on the 5.0 scale for courses marked with two asterisks (\*\*).

## ENGLISH

0100	English 9 Acceleration
0101	Academic English 9
0106	Pre-AP/Honors English 9*
0110	English 10 Acceleration
0111	Academic English 10
0112	Pre-AP/Honors English 10*
0121	College Readiness English 11
0122	AP English Language and Composition**
0130	Career Readiness English
0131	College Readiness English 12
0132	AP English Literature and Composition**

## SOCIAL STUDIES

<b>0200</b>	<b>AP Seminar</b>
0210	U.S. History
0211	Honors U.S. History*
0212	U.S. History 9
0230	American Government
0231	Honors American Government*
0232	AP Government and Politics**
V237	AP United States History** (WAVA ONLY)
0238	AP World History**
0240	AP Psychology**
0242	AP Economics**
0244	Honors Psychology* (Sem)
0245	Honors Sociology* (Sem)
0246	Honors Comparative Religions* (Sem)
0247	Hon. Holocaust and Genocide Studies* (Sem)
0248	Introduction to Psychology (Sem)
0249	Current Affairs (Sem)
0250	Sociology of Sports (Sem)
0251	World Cultures (Sem)
<b>0263</b>	<b>USMC Junior ROTC IV</b>
<b>0502</b>	<b>Spanish III</b>
<b>0503</b>	<b>Spanish IV*</b>
<b>0504</b>	<b>AP Spanish Language and Culture**</b>
<b>0512</b>	<b>French III (WAVA ONLY)</b>
<b>0513</b>	<b>French IV*</b>
<b>0514</b>	<b>AP French Language and Culture*</b>
<b>0522</b>	<b>German III</b>
<b>0523</b>	<b>German IV*</b>
<b>0524</b>	<b>AP German Language and Culture**</b>
<b>V527</b>	<b>Mandarin Chinese III (WAVA ONLY)*</b>
<b>0660</b>	<b>Game Production and Marketing (Sem)</b>
<b>0661</b>	<b>Real World Projects (Sem)</b>

## SCIENCE

0402	Biology with Lab
0403	Honors Biology with Lab*
0404	Conceptual Chemistry
0405	Honors Chemistry with Lab*
0406	Conceptual Physics
0407	Physics
0408	Forensic Science
0409	Anatomy and Physiology*
0410	AP Biology**
0411	AP Chemistry**
0412	AP Physics 1**
0413	AP Physics 2**
0422	Principles of the Biomedical Sciences**
0423	Human Body Systems**
0424	Medical Interventions**
<b>0716</b>	<b>Digital Electronics**</b>
<b>0717</b>	<b>Environmental Sustainability**</b>
<b>0718</b>	<b>Civil Engineering and Architecture**</b>
<b>0719</b>	<b>Engineering Design and Development. – Capstone Course**</b>
<b>0831</b>	<b>Exercise Science</b>

## MATHEMATICS

0308	Algebra I
0309	Geometry Block
0310	Geometry
0311	Advanced Geometry
0315	Algebra II
0316	Algebra II with Lab
0317	Honors Algebra II*
0319	Trigonometry/Pre-calculus
0320	Honors Trigonometry/Pre-calculus*
0321	Discrete Math
0322	AP Calculus AB**
0323	AP Statistics**
<b>0607</b>	<b>CHS Financial Accounting**</b>
<b>0630</b>	<b>AP Computer Science Principles**</b>
<b>0632</b>	<b>AP Computer Science A**</b>

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## RECOGNITION OF GRADUATES

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West Allegheny High School seniors will be recognized with the following distinctions for graduation:

- **Distinguished Honors and Summa Cum Laude:** Students who have achieved a 4.0 QPA or higher and are in the top 10% of their class.
- **Summa Cum Laude:** Students who have achieved a 4.0 QPA or higher but are not in the top 10% of the class.
- **Magna Cum Laude:** Students who have achieved a 3.99 to 3.5 QPA.
- **Cum Laude:** Students who achieved a 3.49 to 3.0 QPA.

These distinctions are based on the student's final cumulative QPA for all four years of high school. A student's QPA is not rounded up when determining graduate recognition. For example, a 3.99 does not round up to a 4.00 and so on.

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## COMMENCEMENT SPEAKER

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All students who are potential Distinguished Honors Graduates as of the middle of the 3<sup>rd</sup> marking period of the senior year will be eligible to submit a speech to present at the commencement ceremony. One commencement speaker and one alternate speaker will be chosen by an impartial committee from all speeches submitted. The speaker selected must maintain Distinguished Honors Graduate status once the final cumulative QPA is posted. If the selected speaker does not maintain Distinguished Honors Graduate status, the alternate speaker will deliver the commencement speech provided that student has maintained Distinguished Honors Graduate status. Only one student speech will be delivered at commencement unless determined otherwise by the committee.

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# **SCHEDULE CHANGE PROCEDURES**

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## **SCHEDULING PHILOSOPHY**

West Allegheny High School offers a comprehensive educational program to meet the needs and interests of all students. The master schedule is developed from course requests submitted in the late winter/early spring and is finalized in the summer in order to set student and teacher schedules.

There is always the possibility that a class will close early due to heavy enrollment or that a class will not be scheduled due to an insufficient number of students electing that subject. Counselors meet with students and teachers to give input and recommendations as students are making their selections.

**NO schedule changes will be granted to allow students to change class periods or teachers for any course at any time.**

**Requests to change lunch period will only be considered for medical reasons and require a note from a physician.**

**Extenuating circumstances sometimes arise that may necessitate the need to consider a change. All extenuating circumstances will be reviewed by an administrator on a case-by-case basis.**

## **SUMMER 2017 SCHEDULE CHANGE REQUESTS**

1. ALL schedule change requests for the 2017-2018 school year require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form by Friday, July 14, 2017.
2. After July 14, 2017, when teacher schedules, class sections and student schedules are being finalized, no more schedule change requests will be honored.

## **2017-2018 SCHOOL YEAR SCHEDULE CHANGE PROCEDURES**

### **ELECTIVE CHANGE PROCEDURE**

1. Elective CHANGE REQUESTS for full year and first semester courses will be considered for the first 6 day rotation of the school year ONLY. Second semester elective change requests will be considered for the first 6 days of the second semester. Elective change requests require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form. Approval of the change does not guarantee that a change can be made. Changes will be made ONLY if they do not overload ANY other classes.
2. The original elective course will be dropped and will NOT appear on the student's transcript.
3. Students are responsible for making up any missed work in the new elective course.

## **ACADEMIC LEVEL CHANGE PROCEDURES**

1. Academic level CHANGE REQUESTS to move to a **higher** level course will be considered from the first day of school through the twelfth day of school.
2. Academic level CHANGE REQUESTS to move to a **lower** level course will be considered after the progress report of the first marking period through two weeks past the end of the first marking period.
3. Students are required to work to their fullest potential prior to making a request for any schedule change. Students must demonstrate that they have attempted to fulfill all course expectations, e.g., completion of all assignments, seeking extra help, and have met all other conditions established by the teacher.
4. No academic level change will be considered without teacher input. If both the teacher and parent agree to the change, it will be considered. When a teacher determines it is in the student's best interest to remain in the course, a parent conference must be held before any further consideration is given to the request. Some changes may require administrative approval.
5. All academic level change requests require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form. Approval of the change does not guarantee that a change can be made. Changes will be made **ONLY** if they do not overload **ANY** other classes.
6. **ANY TIME AN ACADEMIC LEVEL is changed to a lower level the original course WILL appear on the student's transcript with a "W", but the "W" will not affect the student's GPA.** Students are responsible for making up any missed work in the new course.
7. NO level changes will be allowed after two weeks past the end of the first marking period.

## **DROPPING COURSES**

- **STUDENTS MUST EXERCISE CAUTION BEFORE DROPPING COURSES TO ENSURE THAT GRADUATION, FUTURE GOAL, AND NCAA REQUIREMENTS ARE BEING MET.**
  - **STUDENTS MUST MAINTAIN A MINIMUM OF 7.00 CREDITS PER YEAR UNLESS OTHERWISE PERMITTED BY THE PRINCIPAL THROUGH AN APPROVED ACADEMIC PLAN.**
1. During the first nine weeks of school, students may request to drop a course and replace it with a study hall. **IF the request is approved, the original course will remain on the student's transcript with a "W", but the "W" will not affect the student's GPA.** Dropping a course requires administrative approval.

2. After the first nine weeks of school through the end of the year, students may request to drop a course and replace it with a study hall. **IF the request is approved, the student will receive a grade of “WF” for Withdrawal/Fail in the original course. The “WF” will be averaged into the student’s GPA as a failing grade. Dropping a course requires administrative approval.**
3. All requests to drop a course require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form. **Dropping a course requires administrative approval.**

### **REPEATING COURSES**

1. Students repeating a class that they failed will get credit upon successful completion of the repeating class. Both the failing grade and passing grade will show on the student’s transcript and will be averaged into the QPA.
2. A student who chooses to repeat a course that was passed will have both courses shown on his/her transcript and both grades averaged into the QPA. The second successful attempt will count as an elective credit toward West Allegheny graduation requirements.

# NATIONAL HONOR SOCIETY MEMBERSHIP

Students in their junior and/or senior year meeting the following academic and community service criteria may be considered eligible for acceptance into the West Allegheny High School Chapter of the National Honor Society. An eligibility review for juniors and seniors will be conducted sometime after the first grading period of each school year. Those students meeting the criteria will be invited to apply for National Honor Society membership. Only students who both meet the initial eligibility criteria and successfully complete the application process will be inducted into the West Allegheny High School Chapter of the National Honor Society.

Once inducted, West Allegheny High School National Honor Society members are required to maintain the minimum required cumulative grade point average, maintain any required course levels, and complete an additional 30 hours of community service, which must include National Honor Society events and fundraisers.

National Honor Society is based on four pillars: Scholarship, Service, Leadership, and Character. Both applying and inducted students must demonstrate each of these pillars to an exemplary degree.

<b>NHS Pillars</b>	<b>Initial Eligibility Review</b>	<b>Students with a cumulative 3.75 – 3.99 Grade Point Average at Time of Eligibility Review</b>	<b>Students with a cumulative 4.0 or higher Grade Point Average at Time of Eligibility Review</b>
<b>Scholarship</b>	<b>9<sup>th</sup> Grade</b>	Minimum of <b>2</b> Honors level courses	No specific course requirements
	<b>10<sup>th</sup> Grade</b>	Minimum of <b>2</b> Honors level or higher courses	No specific course requirements
	<b>11<sup>th</sup> Grade</b>	Minimum of <b>2</b> Advanced Placement, College in High School, or Project Lead the Way courses	No specific course requirements
	<b>12<sup>th</sup> Grade</b>	Minimum of <b>2</b> Advanced Placement, College in High School, or Project Lead the Way courses	No specific course requirements
<b>NHS Pillar</b>	<b>Application Review</b>	<b>All Students Applying</b>	<b>All Students Applying</b>
<b>Service and Leadership</b>	<b>Application</b>	Completed application including documentation of activities and <b>10</b> community service hours	Completed application including documentation of activities and <b>10</b> community service hours
<b>Scholarship</b>	<b>Academic Recommendation</b>	Letter of recommendation completed by a core subject teacher	Letter of recommendation completed by a core subject teacher
<b>Character</b>	<b>Personal Recommendations (2)</b>	Two recommendation forms completed by a non-relative teacher, coach, employer, religious leader, or any other person who knows the student outside of the school setting	Two recommendation forms completed by a non-relative teacher, coach, employer, religious leader, or any other person who knows the student outside of the school setting
	<b>Discipline Review</b>	Student must not have had any violations of school policy resulting in in-school or out-of-school suspension	Student must not have had any violations of school policy resulting in in-school or out-of-school suspension

# NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



Eligibility Center

## NCAA Division I Initial-Eligibility Requirements

### Core Courses: (16)

- **Initial full-time collegiate enrollment before August 1, 2016:**
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
- **Initial full-time collegiate enrollment on or after August 1, 2016:**
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
    - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
      - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).*

### Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
  - **SAT:** critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - **ACT:** English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT sum score for initial eligibility.
- All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.**

### Core Grade-Point Average:

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)) will be used to calculate your core-course GPA. Use this list as a guide.
- **Initial full-time collegiate enrollment before August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.
- **Initial full-time collegiate enrollment on or after August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

#### DIVISION I

##### Core-Course Requirement (16)

- 4 years of English
- 3 years of math (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered)
- 1 year of additional English, math or natural/physical science
- 2 years of social science
- 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

#### DIVISION I – 2016

##### Qualifier Requirements

*\*Athletics aid, practice, and competition*

- 16 core courses
  - Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
    - "Locked in" for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

#### DIVISION I – 2016

##### Academic Redshirt Requirements

*\*Athletics aid and practice (no competition)*

- 16 core courses
  - No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

Sliding Scale A		
Use for Division I <i>prior to August 1, 2016</i>		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

Sliding Scale B		
Use for Division I <i>beginning August 1, 2016</i>		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

For more information, visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or [www.2point3.org](http://www.2point3.org).

# NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



Eligibility Center

## Division II Initial-Eligibility Requirements

### Core Courses

- **Division II currently requires 16 core courses.** See the chart below.
- **Beginning August 1, 2018**, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

### Test Scores

- **Division II** currently requires a minimum SAT score of 820 or an ACT sum score of 68. **Beginning August 1, 2018**, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

### Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current **Division II** core GPA requirement is a minimum of 2.000. **Division II** core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum **Division II** core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

#### **DIVISION II 16 Core Courses**

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II COMPETITION SLIDING SCALE		
<i>Use for Division II beginning August 1, 2018</i>		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE		
<i>Use for Division II beginning August 1, 2018</i>		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above

For more information, visit the NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

# NCAA COLLEGE FRESHMEN ELIGIBILITY

College-bound student-athletes who want to compete in NCAA sports at a Division I or II school need to meet certain division-wide academic and amateurism requirements. Students who plan to attend a Division III school need to meet the eligibility requirements of the school they plan to attend. In general, for Division I and II initial eligibility, a student must take **16** specific core classes as well as meeting specific GPA and SAT or ACT score requirements. It is the student's responsibility to review specific NCAA policies to be sure that the student is taking the correct classes and fulfilling additional requirements. More information can be found at [www.ncaa.org/student-athletes](http://www.ncaa.org/student-athletes).

## **NCAA APPROVED CORE-COURSES AT WEST ALLEGHENY** **COURSES MARKED WITH AN \* ARE PENDING NCAA APPROVAL**

### **ENGLISH**

English 9 Acceleration  
Academic English 9  
Pre-AP/Honors English 9  
English 10 Acceleration  
Academic English 10  
Pre-AP/Honors English 10  
College Readiness English 11  
AP English Language &  
Composition  
College Readiness English 12  
AP English Literature &  
Composition  
Creative Writing  
Public Speaking

### **SOCIAL SCIENCE**

U.S. History 9  
U.S. History  
Honors U.S. History  
American Government  
Honors American Government  
AP Government and Politics  
AP Psychology  
AP Economics  
AP World History\*  
AP United States  
History\* (WAVA ONLY)  
Honors Psychology  
Honors Sociology  
Honors Comparative  
Religions  
Honors Holocaust and  
Genocide Studies  
Intro to Psychology  
Current Affairs  
World Cultures

### **MATHEMATICS**

Algebra I  
Geometry Block\*  
Geometry  
Advanced Geometry  
Algebra II  
Algebra II with Lab  
Honors Algebra II  
Trigonometry/Precalculus  
Honors Trigonometry/  
Precalculus

Discrete Math  
AP Calculus AB  
AP Statistics

### **NATURAL AND PHYSICAL SCIENCE**

Biology with Lab  
Honors Biology with Lab  
AP Biology  
Conceptual Chemistry  
Honors Chemistry with Lab  
AP Chemistry  
Conceptual Physics  
Physics\*  
Forensic Science\*  
AP Physics 1  
AP Physics 2  
Anatomy and Physiology  
Principles of the Biomedical  
Sciences  
Human Body Systems  
Medical Interventions

### **ADDITIONAL CORE COURSES**

French I\* (WAVA ONLY)  
French II\* (WAVA ONLY)  
French III\* (WAVA ONLY)  
French IV  
AP French Language &  
Culture  
German I  
German II  
German III  
German IV  
AP German Language &  
Culture  
Spanish I  
Spanish II  
Spanish III  
Spanish IV  
AP Spanish Language &  
Culture  
Mandarin Chinese I\*  
Mandarin Chinese II\*  
Mandarin  
Chinese III\* (WAVA ONLY)

### **DISCONTINUED AND RENAMED**

**COURSES:** The courses listed below are no longer offered or have been renamed. However, they may have been taken by students in the classes of 2018 and 2019 and would still be considered core courses for those students.

English 9  
Honors English 9  
English 10  
Honors English 10  
English 11  
Honors English 11  
English 12  
Honors English 12  
Algebra I w/Lab  
Geometry w/Lab  
Honors Geometry  
Algebra III  
Pre-calculus  
Trigonometry  
Calculus  
Title I U.S. History  
World Geography/Economics/  
PA History  
Honors World Geography/  
Economics/PA History  
College Level Social Studies  
Honors Physical Science  
Physical Science  
Earth and Space Science  
Honors Physics & Lab  
Biology II  
ChemCom (Lab)  
AP Physics B



# West Allegheny High School

## Career and College Pathways

**Career and College Pathways** are designed to help focus student course selections and connect students to a viable career and/or a post-secondary program of study. Each student will identify with one or more concentration area, based on individual interests and skills, post-secondary goals, and potential career aspirations. Over the next few pages, information regarding the aligned Holland codes and career clusters will help inform students and parents in course selection. Within each Career and College Pathway concentration area potential career options and recommended courses will help student focus course selections. Student choice and flexibility, both within and among the pathways, allows students to navigate a well-rounded foundation and experience a plethora of curricular options related to each specified Career and College Pathway.

Throughout the course descriptions, one or more of the icons below will be found below the title of each course. The presence of an icon means that the course is work is in some way, either directly or indirectly, connected to that Career and College Pathways concentration area. It is acceptable for students to explore a variety of content areas and interests. The designation of a particular concentration area is not meant to limit one's choices. Instead, the icons provide a way to think about how course work in high school can be a springboard to future opportunities.



# Holland Codes

It's all about  
YOU!

## Conventional

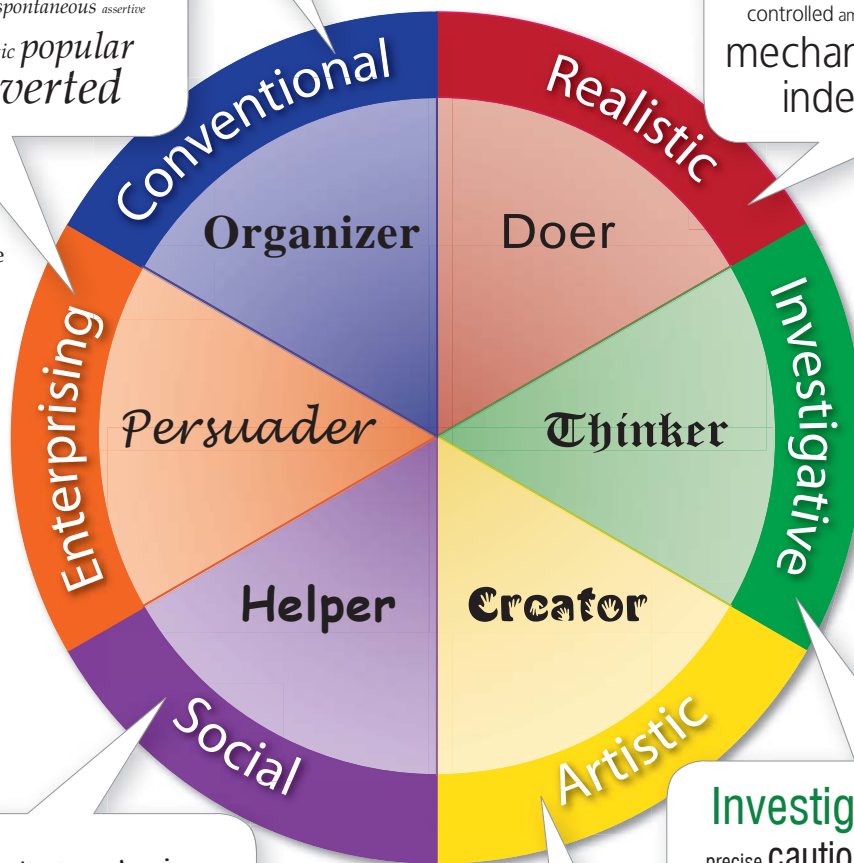
well-organized accurate  
numerically-inclined methodical efficient  
orderly thrifty structured ambitious persistent conscientious  
conforming practical systematic polite obedient

## Enterprising

self-confident sociable  
enthusiastic adventurous impulsive  
inquisitive talkative spontaneous assertive  
persuasive energetic popular  
ambitious optimistic extroverted

## Realistic

practical frank  
nature lover curious concrete self-  
controlled ambitious persistent athletic  
mechanical thrifty stable reserved  
independent systematic



John L. Holland was the person who developed the theory that people can be described by a combination of six personality types. The theory proposed that people seek out work environments that match their personality type. A better match means more job satisfaction, because the person finds the job interesting.

Take a look at the words describing each of the six personality types. How many of these words describe you?

You'll probably find words that describe you in each list. But usually there are two or three with lots of words that make you say, "That's ME!"

Take the quiz on the next page to identify your personality type, also known as your interest profile. Match your interest profile with the interest profiles of occupations in the Career Planning Table. Jobs that match your interests will be a better career choice for you.

## Social

friendly idealistic outgoing  
cooperative responsible kind persuasive  
patient helpful insightful understanding  
generous forgiving empathetic

## Investigative

scientific reserved  
precise cautious self-confident  
independent analytical observant scholarly  
curious introspective broad-minded logical

## Artistic

creative imaginative unconventional  
independent original impulsive courageous complicated  
nonconforming intuitive innovative emotional expressive  
introspective sensitive open idealistic

# What Your Interest?

A great way to explore careers is to take an assessment. Assessments are tools to help you discover important things about yourself. Assessments can be based on a variety of things, like your skills, interests or values. What's the best thing about assessments? There are no wrong answers!

Assessments help you think about the types of careers that fit you by providing a broad sense of your career options. If an assessment gives you results that seem really unlikely, don't panic! It got you thinking about what you'd like to do, didn't it?

This assessment is based on the Holland Code. Once completed, you will have an interest profile to match to different career areas. What follows are descriptions for each interest code. Read the descriptions for the codes in your interest profile.

## Realistic: Doers

People who have athletic or mechanical ability, prefer to work with objects, machines, tools, plants or animals, or to be outdoors. They like to work with their hands. They are often practical and good at solving problems.

## Investigative: Thinkers

People who like to observe, learn, investigate, analyze, evaluate or solve problems. They often like to work independently, tend to be good at math and science and enjoy analyzing data.

## Artistic: Creators

People whose abilities are artistic, innovative or intuitive. They like to work in unstructured situations where they can use their imagination and creativity. They enjoy performing (theater or music) and visual arts.

## Social: Helpers

People who like to work with people to enlighten, inform, help, train, or cure them, or are skilled with words. They enjoy training, instructing, counseling or curing others. They are often good public speakers with helpful, empathetic personalities.

## Enterprising: Persuaders

People who like to work with people, influencing, persuading, performing, or managing for organizational goals or economic gain. They like to lead and tend to be assertive and enthusiastic.

## Conventional: Organizers

People who pay attention to detail and like to work with data, have clerical ability, and follow through on others' instructions. They have good organizational and numerical abilities. Conventional people also like working in structured situations.

Now, take the quiz below, checking the statements that describe things you like to do. Count the checkmarks for each color, and write the total in the matching colored boxes at the bottom. The three highest scores are your Interest Profile.

Look for jobs with a matching interest profile in the Career Planning Table to get potential career choices. Use these careers to start career exploration.

Remember — an assessment isn't the final word! It's only one way to start thinking about careers. And this interest assessment is only one type available. Other assessments measure different aspects of your personality.

*This assessment is based on Dr. John Holland's theory that people and work environments can be loosely classified into six different groups. Different peoples' personalities may find different environments more to their liking. While you may have some interests in and similarities to several of the six groups, you may be attracted primarily to two or three of the areas. These two or three letters are your Holland Code.*

*For example, with a code of RES you would most resemble the **Realistic** type, somewhat but less resemble the **Enterprising** type, and somewhat but even less resemble the **Social** type. The types that are not in your code are the types you resemble least of all. Most people, and most jobs, are some combination of two or three of the Holland interest areas.*

Read each statement below and, if you agree with it, put a checkmark in the box to the right of it.

## Do you like to ...

... do puzzles?		... put things together or assemble models?	
... work on cars?		... be creative?	
... attend concerts, theaters or art exhibits?		... pay attention to details?	
... work in teams?		... do filing or typing?	
... organize things like files, offices or activities?		... learn about other cultures?	
... set goals for yourself?		... analyze things like problems, situations or trends?	
... build things?		... play instruments or sing?	
... read fiction, poetry or plays?		... dream about starting your own business?	
... have clear instructions to follow?		... cook?	
... influence or persuade people?		... act in plays?	
... do experiments?		... think things through before making decisions?	
... teach or train people?		... work with numbers or charts?	
... help people solve their problems?		... discuss issues like politics or current events?	
... take care of animals?		... keep records of your work?	
... have your day structured?		... be a leader?	
... sell things?		... work outdoors?	
... do creative writing?		... work in an office?	
... work on science projects?		... work on math problems?	
... take on new responsibilities?		... help people?	
... heal people?		... draw?	
... figure out how things work?		... give speeches?	

Total up your checkmarks by color and record the number in the colored boxes . . . the three letters with the highest scores are your **Interest Profile**.

Realistic	Investigative	Artistic	Social	Enterprising	Conventional	Three highest scores = Your Interest Profile		

Based on the Holland Code by Dr. John L. Holland, Source: [www.mnccareers.org](http://www.mnccareers.org)



Naviance Family Connection is a comprehensive website that students can use to make plans about careers and colleges. Most students have created a Naviance Family Connection account using his or her personal email address as their username and a password of his or her choice. Any student who has not yet created an account should see his or her counselor for assistance.

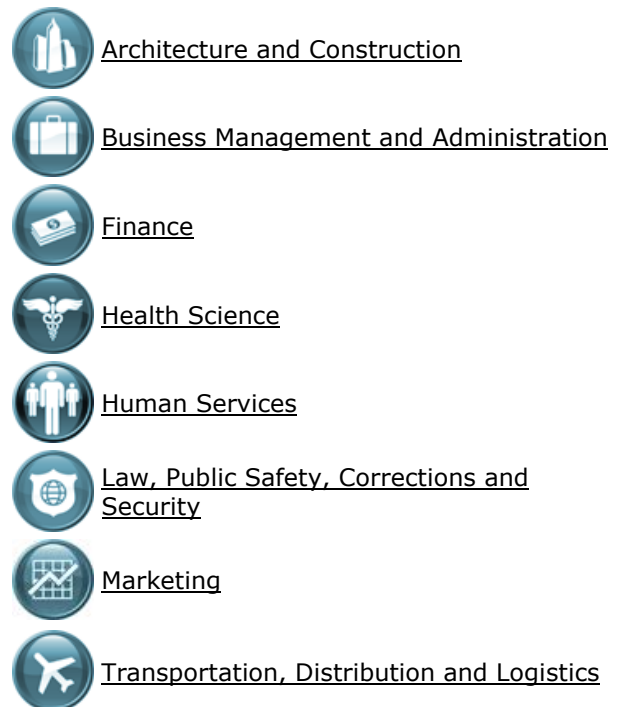
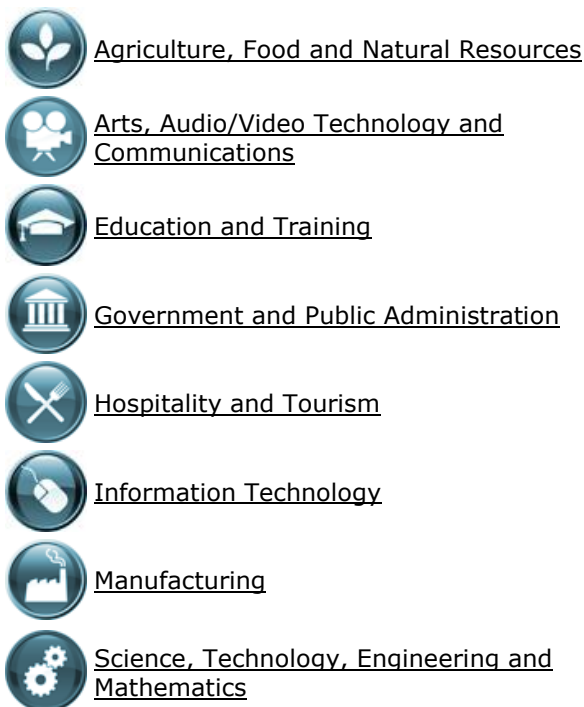
Family Connection allows students to:

- **Get involved in the planning and advising process** – Build a resume, complete online surveys, and manage timelines and deadlines for making decisions about colleges and careers
- **Research colleges** – Compare GPA, standardized test scores, and other statistics to actual historical data from our school for students who have applied and been admitted in the past
- **Research careers** – Research hundreds of careers and career clusters, and take career assessments
- **Create plans for the future** – Create goals and to-dos, and complete tasks assigned by the school to better prepare your student for future college and career goals.
- **Search for scholarships** – Use a national scholarship database to search as well as see scholarship information from the School Counseling Office.

Family Connection also lets us share information with students about upcoming meetings and events, local scholarship opportunities, and other resources for college and career information.

The Career and College Pathways listed in the West Allegheny High School Program of Studies are aligned with the Career Clusters section of Naviance Family Connection. Career clusters are a way of grouping careers with common features and skills. Careers grouped into the same cluster typically require similar education and training. Exploring clusters can be a useful way to find a good career match, especially if you have general areas of interest but are not sure what specific careers match those interests. Career clusters can also help you better understand how your coursework in school can prepare you for certain types of careers. ***Students are strongly encouraged to visit [West Allegheny High School's Naviance Family Connection website](#) to access the login screen and explore all of the helpful resources offered.***

Career Clusters include:





## WAHS Career and College Pathways



### Universal

Courses designated as Universal are core academic courses and apply to all career and college pathways. These courses will equip students with essential skills and knowledge, but may not provide appropriate rigor for all students in all pathways. Each student is encouraged to enroll in courses providing appropriate challenge and growth opportunities to best prepare him/her for post-secondary aspirations, while being mindful of graduation requirements.

### Courses

English 9 Acceleration	Honors Algebra II	US History
Academic English 9	Physical Education 9 (Sem)	Honors US History
English 10 Acceleration	Health and Wellness 9 (Sem)	AP U.S. History (WAVA ONLY)
Academic English 10	Physical Education 10 (Sem)	American Government
College Readiness English 11	Health Education 10 (Sem)	Honors American Government
Career Readiness English	Team Sports	AP U.S. Government and Politics
College Readiness English 12	Personal Fitness and Sport	Spanish I
Career and Personal Success (Sem)	Games and Leisure Activities	Spanish II
Public Speaking (Sem)	Aerobic Fitness	French I (WAVA ONLY)
Financial Literacy: Surviving the Real World (Sem)	Physical Conditioning	French II (WAVA ONLY)
Algebra I	Exercise Science	German I
Geometry Block	Biology with Lab	German II
Geometry	Honors Biology w/Lab	Mandarin Chinese I (WAVA ONLY)
Advanced Geometry	Conceptual Chemistry	Mandarin Chinese II (WAVA ONLY)
Algebra II	Conceptual Physics	
Algebra II with Lab	Physics	



# WAHS Career and College Pathways



Concentration Area	Arts & Communications	
Associated Holland Codes	Associated Career Clusters	
Artistic Enterprising Conventional	Arts, Audio/Video Technology & Communications	
Possible Careers/Field of Study		
Actor	Film and Video Editor	Reporter / News Correspondent
Broadcast News Analyst	Video Game Designer	Writer / Author
Fashion Designer	Landscape Architect	Architectural Drafter
Interior Designer	Musician/Singer	Public Relations Specialist
Technical Writer	Photographer	Set & Exhibit Designer
Recommended Courses Within Concentration Area		
Pre-AP/Honors English 9	Spanish III & Spanish IV	3D Modeling II (Sem)
Pre-AP/Honors English 10	AP Spanish Language	3D Modeling III (WAVA ONLY)
College Readiness English 11	French III (WAVA ONLY)	Game Production & Marketing (Sem)
College Readiness English 12	French IV	Real World Projects (Sem)
AP English Language & Composition	AP French Language	Graphic Design
AP English Literature & Composition	German III & German IV	Drawing & Design for Engineering & Architecture
Yearbook I, II, III	AP German Language	Intro to Culinary Arts (Sem)
Creative Writing (Sem)	Mandarin Chinese III (WAVA ONLY)	Art of Baking (Sem)
Intro to Media Arts	Web Design (Sem)	Interior Design (Sem)
Media Arts II	3D Animation w/Flash (Sem)	Art I, II, II, IV
Media Arts III	Sport & Entertainment Marketing I (Sem)	AP Studio Art
Broadcast Journalism/WATV	Sport & Entertainment Marketing II (Sem)	Band I, II, III
AP U.S. Government & Politics	Sport & Entertainment Management I (Sem)	Jazz Studies
AP U.S. History (WAVA ONLY)	Sport & Entertainment Management II (Sem)	Beginning Piano
AP World History	Fashion Merchandising (Sem)	Beginning Guitar
AP Psychology	Digital Arts (Sem)	Chorus I, II, III
Honors Psychology (Sem)	Game Design (Sem)	Concert Chorale
Honors Sociology (Sem)	Mobile App & Game Design (Sem)	Intro to Musical Theatre
Hon. Comparative Religions (Sem)	GameMaker Programming I (Sem)	Musical Theatre Production
Hon. Holocaust & Genocide (Sem)	GameMaker Programming II (Sem)	Acting & Technical Theatre I, II
Intro to Psychology (Sem)	Unity 3D Programming (Sem)	Music Technology I, II
World Cultures (Sem)	3D Modeling I (Sem)	Digital Multi Tech (Parkway CTC)



## WAHS Career and College Pathways



Concentration Area	Business and Finance	
Associated Holland Codes	Associated Career Clusters	
Enterprising Investigative Conventional	Business Management & Administration Finance Marketing	
Possible Careers/Field of Study		
Chief Executive	Financial Analyst	Logistician
Actuary	Insurance Adjuster, Examiner, Investigator	Event Planner
Marketing Manager	Economist	Auditor
Loan Officer	Travel Agent	Court Clerk
Credit Counselor	Real Estate Broker / Agent	Advertising / Promotions Manager
Recommended Courses Within Concentration Area		
AP English Language & Composition	Trigonometry/Precalculus	3D Animation w/Flash (Sem)
AP English Literature & Composition	Honors Trigonometry/Precalculus *	Sport & Entertainment Marketing I (Sem)
Yearbook I, II, III	AP Statistics	Sport & Entertainment Marketing II (Sem)
Intro to Media Arts	Spanish III	Sport & Entertainment Management I (Sem)
Media Arts II	Spanish IV	Sport & Entertainment Management II (Sem)
AP U.S. Government & Politics	AP Spanish Language	Business Owner & Entrepreneurship (Sem)
AP Psychology	French III (WAVA ONLY)	Fashion Merchandising (Sem)
AP Economics	French IV	Digital Arts (Sem)
Honors Psychology (Sem)	AP French Language	Introduction to Programming (Sem)
Honors Sociology (Sem)	German III	AP Computer Science Principles
Intro to Psychology (Sem)	German IV	AP Computer Science A
Current Affairs (Sem)	AP German Language	Advanced Programming: Android App Development
Sociology of Sports (Sem)	Mandarin Chinese III (WAVA ONLY)	Game Production & Marketing (Sem)
Discrete Math	Accounting I	Real World Projects (Sem)
Advanced Geometry	CHS Accounting	Financial Literacy: Surviving the Real World (Sem)
Honors Algebra II	Web Design (Sem)	



# WAHS Career and College Pathways



Concentration Area		Career and Industry	
Associated Holland Codes		Associated Career Clusters	
Realistic Conventional Investigative Social Enterprising Artistic		Architecture & Construction Health Science Hospitality & Tourism Information Technology Law, Public Safety, Corrections, & Security	Manufacturing Transportation, Distribution & Logistics
Possible Careers/Field of Study			
Carpenter Home Health Aide Chef Graphic Designer Firefighter		Machinist Air Traffic Controller Avionics Technician Automotive Specialty Technician Jeweler	Judicial Law Clerks Commercial Pilot Woodworker Arbitrator, Mediator, Conciliator Court Reporter
Recommended Courses Within Concentration Area			
Career Readiness English	Drawing & Design for Engineering & Architecture	Child Development	
Intro to Media Arts	CADD I, II, III	Child Development II	
Media Arts II	Manufacturing Technology I	Music Technology I, II	
Media Arts III	Manufacturing Technology II	Autobody Repair (Parkway CTC)	
AP Economics	Intro to Engineering and Design	Automotive Tech (Parkway CTC)	
Honors Sociology (Sem)	Principles of Engineering	Construction Tech (Parkway CTC)	
Current Affairs (Sem)	Digital Electronics	Building Construction Tech (Parkway CTC)	
U.S.M.C. ROTC I, II, III, IV	Environmental Sustainability	Electrical Systems Tech (Parkway CTC)	
Accounting I	Civil Engineering & Architecture	Heating, Ventilation, Air Conditioning and Refrigeration HVAC/R (Parkway CTC)	
CHS Accounting	Engineering Design & Development	Masonry (Parkway CTC)	
Web Design (Sem)	Intro to Culinary Arts (Sem)	Welding Tech (Parkway CTC)	
3D Animation w/Flash (Sem)	Food for Today (Sem)	Cosmetology (Parkway CTC)	
Business Owner & Entrepreneurship (Sem)	Art of Baking (Sem)	Culinary Arts (Parkway CTC)	
Fashion Merchandising (Sem)	World Cuisine (Sem)	Digital Multimedia (Parkway CTC)	
Digital Arts (Sem)	Food for Sport (Sem)	Health Assistant (Parkway CTC)	
Introduction to Programming (Sem)	Financial Literacy: Surviving the Real World (Sem)	Info Tech Essentials (Parkway CTC)	
Residential Construction (Sem)	Interior Design (Sem)	Public Safety Tech (Parkway CTC)	
Commercial Construction (Sem)	Relationships and Parenting (Sem)	Sports Medicine and Rehabilitation Therapy - SMART (Parkway CTC)	
Graphic Design	Dynamic Living	Veterinary Tech (Parkway CTC)	



# WAHS Career and College Pathways



Concentration Area	Computer Science	
Associated Holland Codes	Associated Career Clusters	
Investigative Realistic	Information Technology Science, Technology, Engineering, & Mathematics	
Possible Careers/Field of Study		
Computer Network Support Specialist	Multimedia Artist and Animator	Statistician
Computer Programmer	Information Security Analyst	Survey Researcher
Software Developer	Game Designer	Engineer, various
Computer Hardware Engineer	Computer Systems Analyst	Computer Network Architect
Graphic Designer	Cost Estimator	Database Administrator
Recommended Courses Within Concentration Area		
Discrete Math	Digital Arts (Sem)	3D Modeling I (Sem)
Advanced Geometry	Introduction to Programming (Sem)	3D Modeling II (Sem)
Honors Algebra II	AP Computer Science Principles	3D Modeling III (WAVA ONLY)
Trigonometry/Precalculus	AP Computer Science A	Game Production & Marketing (Sem)
Honors Trigonometry/Precalculus	Advanced Programming/Android App Development	Real World Projects (Sem)
AP Calculus	Game Design (Sem)	Graphic Design
AP Statistics	Mobile App & Game Design (Sem)	Music Technology I
Forensic Science	Gamemaker Programming I (Sem)	Music Technology II
AP Physics 1 w/Lab	Gamemaker Programming II (Sem)	Digital Multi Tech (Parkway CTC)
Web Design (Sem)	Unity 3D Programming (Sem)	Info Tech Essentials (Parkway CTC)
3D Animation w/Flash (Sem)		



## WAHS Career and College Pathways



Concentration Area	Human and Public Services		
Associated Holland Codes	Associated Career Clusters		
Realistic Investigative Artistic Social Enterprising	Education & Training Government & Public Administration Hospitality & Tourism Human Services Law, Public Safety & Security		
Possible Careers/Field of Study			
Teacher	Counselor	Firefighter	
Judge	Funeral Director	Detective	
Food Service Manager	Political Scientist	Lawyer	
Social Worker	Interpreter/Translator	School Psychologist	
Police Officer	Religious Director	Legislator	
Recommended Courses Within Concentration Area			
Pre-AP/Honors English 9	U.S.M.C. ROTC I, II, III, IV	Intro to Culinary Arts (Sem)	
Pre-AP/Honors English 10	AP Statistics	Food for Today (Sem)	
AP English Language & Composition	Forensic Science	Art of Baking (Sem)	
AP English Literature & Composition	Spanish III	World Cuisine (Sem)	
Creative Writing (Sem)	Spanish IV	Food for Sport (Sem)	
Honors U.S. History	AP Spanish Language	Financial Literacy: Surviving the Real World (Sem)	
Honors American Government	French III (WAVA ONLY)	Interior Design (Sem)	
AP U.S. Government/Politics	French IV	Relationships and Parenting (Sem)	
AP U.S. History (WAVA ONLY)	AP French Language	Dynamic Living	
AP World History	German III	Child Development	
AP Psychology	German IV	Child Development II	
AP Economics	AP German Language	Exercise Science	
Honors Psychology (Sem)	Mandarin Chinese III (WAVA ONLY)	Autobody Repair (Parkway CTC)	
Honors Sociology (Sem)	Sport & Entertainment Marketing I (Sem)	Automotive Tech (Parkway CTC)	
Honors Comparative Religions (Sem)	Sport & Entertainment Marketing II (Sem)	Cosmetology (Parkway CTC)	
Honors Holocaust & Genocide (Sem)	Sport & Entertainment Management I (Sem)	Culinary Arts (Parkway CTC)	
Intro to Psychology (Sem)	Sport & Entertainment Management II (Sem)	Health Assistant (Parkway CTC)	
Current Affairs (Sem)	Business Ownership & Entrepreneurship (Sem)	Public Safety Tech (Parkway CTC)	
World Cultures (Sem)	AP Computer Science Principles	Veterinary Tech (Parkway CTC)	
Sociology of Sports (Sem)			



## WAHS Career and College Pathways



Concentration Area	Pre-Engineering	
Associated Holland Codes	Associated Career Clusters	
Realistic Investigative Conventional	Architecture & Construction Science, Technology, Engineering, & Mathematics	
Possible Careers/Field of Study		
Architect	Software Developers	Oil and Gas Operator
Engineer, various	Surveyor	Brick/Block Mason
Historians	Cost Estimator	Electrician
Interior Design	Political Scientist	Geographer
Electronic Drafters	Carpenter	Explosive worker
Recommended Courses Within Concentration Area		
Advanced Geometry	Residential Construction (Sem)	Digital Electronics
Honors Algebra II	Commercial Construction (Sem)	Environmental Sustainability
Trigonometry/Precalculus	Drawing & Design for Engineering & Architecture	Civil Engineering & Architecture
Honors Trigonometry/Precalculus	CADD I	Engineering Design & Development
AP Calculus	CADD II	Construction Tech (Parkway CTC)
AP Statistics	CADD III	Masonry (Parkway CTC)
Honors Chemistry w/Lab	Manufacturing Technology I	Electrical Systems Tech (Parkway CTC)
AP Chemistry w/Lab	Manufacturing Technology II	Building Construction Tech (Parkway CTC)
AP Physics 1 w/Lab	Intro Engineering Design	Welding Tech (Parkway CTC)
AP Physics 2 w/Lab	Principles of Engineering	Heating, Ventilation, Air Conditioning and Refrigeration HVAC/R (Parkway CTC)



## WAHS Career and College Pathways



Concentration Area	Science and Health	
Associated Holland Codes	Associated Career Clusters	
Realistic Investigative Social Conventional	Agriculture, Food, & Natural Resources Health Science Science, Technology, Engineering, & Mathematics	
Possible Careers/Field of Study		
Athletic Trainer	Pharmacist	Animal Breeder
Chemist	Veterinarian	Forester
Clinical Psychologist	Speech and Language Pathologist	Optometrist
Chiropractor	Radiation Therapist	Dental Hygienist
Dietician	Zoologist and Wildlife Biologist	Microbiologist
Recommended Courses Within Concentration Area		
Pre-AP/Honors English 9	AP Statistics	Relationships and Parenting (Sem)
Pre-AP/Honors English 10	Honors Biology w/Lab	Child Development
AP English Language & Composition	Anatomy and Physiology	Child Development II
AP English Literature & Composition	AP Biology w/Lab	Team Sports (Sem)
AP Psychology	Forensic Science	Personal Fitness & Sport (Sem)
Honors Psychology (Sem)	Honors Chemistry w/Lab	Aerobic Fitness (Sem)
Honors Sociology (Sem)	AP Chemistry w/Lab	Physical Conditioning
Intro to Psychology (Sem)	AP Physics 1 w/Lab	Exercise Science
Advanced Geometry	AP Physics 2 w/Lab	Games & Leisure Activities (Sem)
Honors Algebra II	Principles of Biomedical Science	Introduction to Coaching (Sem)
Trigonometry/Precalculus	Human Body Systems	Becoming a Fitness Professional (Sem)
Honors Trigonometry/Precalculus	Medical Interventions	Health Assistant (Parkway CTC)
AP Calculus	Food for Sport (Sem)	Veterinary Tech (Parkway CTC)

# COURSE LIST

The following is a list of all courses offered at West Allegheny High School. The list is alphabetical by department with special options and Parkway West Career and Technology Center programs listed at the end. [Clicking on the name of each department in this course list will directly link you to that department's course descriptions.](#) Additionally, clicking on the course title in the red header on each page of the department's descriptions will link you back to the course list.

\*Students may receive a weighted grade on the 4.5 scale for courses marked with one asterisk (\*).

\*\* Students may receive a weighted grade on the 5.0 scale for courses marked with two asterisks (\*\*).

Courses in **bold type** are electives that students are able to use toward core course credits required for graduation. See the core courses page for more information.

## AP CAPSTONE

- 0200 AP Seminar\*\*
- 0201 AP Research\*\* (COMING IN 2018-2019)

## ART

- 0740 Art I
- 0741 Art II
- 0742 Art III
- 0743 Art IV\*
- 0744 AP Studio Art\*\*

## BUSINESS, COMPUTER AND INFORMATION TECHNOLOGY

- 0606 Accounting I
- 0607 **CHS Financial Accounting\*\***
- 0610 Basic Web Design w/ Dreamweaver and Programming (Sem)
- 0611 3-D Animation with Flash (Sem)
- 0612 Sports and Entertainment Marketing I (Sem)
- 0613 Sports and Entertainment Management I (Sem)
- 0614 Sports and Entertainment Marketing II (Sem)
- 0615 Sports and Entertainment Management II (Sem)
- 0618 Career and Personal Success (Sem)
- 0619 Business Ownership/Entrepreneurship (Sem)
- 0620 Fashion Merchandising (Sem)
- 0621 Digital Arts (Sem)
- 0622 Introduction to Programming (Sem)
- 0630 **AP Computer Science Principles\*\***
- 0632 **AP Computer Science A\*\***
- 0634 Advanced Programming/Android App Development\*

## ZULAMA GAMING ACADEMY

- 0650 Game Design (Sem)
- 0651 Mobile App and Game Design (Sem)
- 0653 GameMaker Programming I (Sem)
- 0654 GameMaker Programming II (Sem)
- 0656 Unity 3D Programming (Sem)
- 0657 3D Modeling I (Sem)
- 0658 3D Modeling II (Sem)
- V659 3D Modeling III (Sem - WAVA ONLY)
- 0660 **Game Production and Marketing (Sem)**
- 0661 **Real World Projects (Sem)**

## ENGINEERING AND TECHNOLOGY EDUCATION

- 0700 Residential Construction (Sem)
- 0701 Commercial Construction (Sem)
- 0702 Transportation Technology (Sem)
- 0703 Energy/Power Systems (Sem)
- 0704 Graphic Design
- 0705 Multimedia Design
- 0706 Drawing and Design for Engineering and Architecture
- 0708 CADD I
- 0709 CADD II
- 0710 CADD III
- 0711 Manufacturing Technology I
- 0712 Manufacturing Technology II
- 0714 Intro to Engineering Design\*\*
- 0715 Principles of Engineering\*\*
- 0716 **Digital Electronics\*\***
- 0717 **Environmental Sustainability\*\***
- 0718 **Civil Engineering and Architecture\*\***
- 0719 **Engineering Design and Development. – Capstone Course\*\***

## ENGLISH LANGUAGE ARTS

- 0100 English 9 Acceleration
- 0101 Academic English 9
- 0106 Pre-AP/Honors English 9\*
- 0110 English 10 Acceleration
- 0111 Academic English 10
- 0112 Pre-AP/Honors English 10\*
- 0121 College Readiness English 11
- 0122 AP English Language and Composition\*\*
- 0130 Career Readiness English
- 0131 College Readiness English 12
- 0132 AP English Literature and Composition\*\*
- 0150 Creative Writing (Sem)
- 0151 Public Speaking (Sem)

## FAMILY AND CONSUMER SCIENCES

- 0720 Introduction to Culinary Arts (Sem)
- 0721 Food for Today (Sem)
- 0722 Art of Baking (Sem)
- 0723 World Cuisine (Sem)
- 0724 Food for Sport (Sem)
- 0725 Financial Literacy: Surviving the

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Courses in **bold type** are electives that students are able to use toward core course credits required for graduation. See the core courses page for more information.

0726 Real World (Sem)  
0727 Interior Design (Sem)  
0728 Relationships and Parenting (Sem)  
0729 Dynamic Living  
0732 Child Development  
0733 Child Development II

## MATHEMATICS

0308 Algebra I  
0309 Geometry Block  
0310 Geometry  
0311 Advanced Geometry  
0315 Algebra II  
0316 Algebra II with Lab  
0317 Honors Algebra II\*  
0319 Trigonometry/Precalculus  
0320 Honors Trigonometry/Precalculus\*  
0321 Discrete Math  
0322 AP Calculus AB\*\*  
0323 AP Statistics\*\*

## MEDIA ARTS

0153 Introduction to Media Arts  
0154 Media Arts II  
0155 Media Arts III  
0162 Broadcast Journalism: WATV  
0163 Acting and Technical Theatre (6 Day)  
0164 Acting and Technical Theatre (3 Day)  
0165 Acting and Technical Theatre II (6 Day)  
0166 Acting and Technical Theatre II (3 Day)  
0170 Yearbook I  
0171 Yearbook II  
0172 Yearbook III

## MUSIC

0750 Band I (6 Day)  
0751 Band I (3 Day)  
0753 Band II (6 Day)  
0754 Band II (3 Day)  
0756 Band III (6 Day *by audition only*)  
0757 Band III (3 Day *by audition only*)  
0762 Jazz Studies: Vocal (6 Day)  
0763 Jazz Studies: Vocal (3 Day)

0764 Jazz Studies: Instrumental (6 Day)  
0765 Jazz Studies: Instrumental (3 Day)  
0767 Beginning Piano (6 Day)  
0768 Beginning Piano (3 Day)  
0769 Beginning Guitar (6 Day)  
0770 Beginning Guitar (3 Day)  
0780 Chorus I (6 Day)  
0781 Chorus I (3Day)  
0783 Chorus II (6 Day)  
0784 Chorus II (3 Day)  
0786 Chorus III (6 Day *by audition only*)  
0787 Chorus III (3 Day *by audition only*)  
0789 Concert Chorale (*by audition only*)  
0790 Music Composition  
0791 Introduction to Musical Theatre (6 Day)  
0792 Introduction to Musical Theatre (3 Day)  
0793 Musical Theatre Production (6 Day)  
0794 Musical Theatre Production (3 Day)  
0795 Music Technology I (6 Day)  
0796 Music Technology I (3 Day)  
0797 Music Technology II (6 Day)  
0798 Music Technology II (3 Day)

## PHYSICAL EDUCATION AND HEALTH

0800 Physical Education 9 (Sem)  
0801 Health and Wellness 9 (Sem)  
0802 Physical Education 10 (Sem)  
0803 Health Education 10 (Sem)  
0804 Team Sports  
0805 Personal Fitness and Sport  
0806 Games and Leisure Activities  
0807 Aerobic Fitness  
0808 Introduction to Coaching (Sem)  
0809 Becoming a Fitness Professional (Sem)  
0820 Physical Conditioning  
**0831 Exercise Science**

## SCIENCE

0402 Biology with Lab  
0403 Honors Biology with Lab\*  
0404 Conceptual Chemistry  
0405 Honors Chemistry with Lab\*  
0406 Conceptual Physics  
0407 Physics

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Courses in **bold type** are electives that students are able to use toward core course credits required for graduation. See the core courses page for more information.

0408 Forensic Science  
0409 Anatomy and Physiology\*  
0410 AP Biology\*\*  
0411 AP Chemistry\*\*  
0412 AP Physics 1\*\*  
0413 AP Physics 2\*\*  
0422 Principles of the Biomedical Sciences\*\*  
0423 Human Body Systems\*\*  
0424 Medical Interventions\*\*

## SOCIAL STUDIES

0210 U.S. History  
0211 Honors U.S. History\*  
0212 U.S. History 9  
0230 American Government  
0231 Honors American Government\*  
0232 AP Government and Politics\*\*  
V237 AP United States History\*\* (WAVA ONLY)  
0238 AP World History\*\*  
0240 AP Psychology\*\*  
0242 AP Economics\*\*  
0244 Honors Psychology\* (Sem)  
0245 Honors Sociology\* (Sem)  
0246 Honors Comparative Religions\* (Sem)  
0247 Honors Holocaust and Genocide Studies\* (Sem)  
0248 Introduction to Psychology (Sem)  
0249 Current Affairs (Sem)  
0250 Sociology of Sports (Sem)  
0251 World Cultures (Sem)

## USMC JUNIOR ROTC

0260 USMC Junior ROTC I  
0261 USMC Junior ROTC II  
0262 USMC Junior ROTC III  
**0263 USMC Junior ROTC IV**

## WORLD LANGUAGES

0500 Spanish I  
0501 Spanish II  
**0502 Spanish III**  
**0503 Spanish IV\***  
**0504 AP Spanish Language and Culture\*\***  
V510 French I (WAVA ONLY)

V511 French II (WAVA ONLY)  
**V512 French III (WAVA ONLY)**  
**0513 French IV\***  
**0514 AP French Language and Culture\*\***  
0520 German I  
0521 German II  
**0522 German III**  
**0523 German IV\***  
**0524 AP German Language and Culture\*\***  
V525 Mandarin Chinese I (WAVA ONLY)  
V526 Mandarin Chinese II (WAVA ONLY)  
**V527 Mandarin Chinese III (WAVA ONLY)\***

## SPECIAL OPTIONS

West Allegheny Virtual Academy  
CCBC Aviation Academy  
WARMU 1<sup>st</sup> Semester College in High School  
Dual Enrollment  
Work Release  
Independent Study

## PARKWAY WEST CAREER AND TECHNOLOGY CENTER

### 4 Credit PM Programs

2501 Auto Body Repair  
2502 Automotive Technology  
2503 Construction Technology Cluster (1<sup>st</sup> year)  
2504 Building Construction Technology  
2505 Electrical Systems Technology  
2506 Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R)  
2507 Masonry  
2508 Welding Technology  
2509 Cosmetology  
2510 Culinary Arts  
2511 Health Assistant  
2513 Digital Multimedia  
2514 Information Technology Essentials  
2515 Public Safety Technology  
2516 Sports Medicine and Rehabilitation  
Therapy Technology  
2517 Veterinary Technology

# AP CAPSTONE

AP Capstone™ is a College Board Program that equips students with the independent research, collaborative research, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

AP Capstone is comprised of two AP courses — **AP Seminar** and **AP Research** — and is designed to complement and enhance the discipline-specific study in other AP courses. Participating schools can use the AP Capstone program to provide unique research opportunities for current AP students, or to expand access to AP by encouraging students to master the argument-based writing skills that the AP Capstone program develops.

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## AP SEMINAR

0200 1 CREDIT

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In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is a benefit to society.

Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. After taking AP Seminar, students will have the opportunity to further hone their inquiry and analytical writing skills in AP Research.

AP Seminar students are assessed with two through-course performance tasks and one end-of-course exam. The performance tasks consist of a team project and presentation, and an individual research-based essay and presentation. All three

assessments are summative and are used to calculate a final AP score of 1 to 5.

The two through-course performance tasks for AP Seminar are teacher-scored. The end-of-course exam is in May; it takes two hours and consists of three short-answer questions and one essay question.

*Grade level: 10, 11, 12*

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## AP RESEARCH

COMING IN 2018-2019

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AP Research allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues.

Students further the skills developed in AP Seminar by learning how to understand research methodology, employ ethical research practices, and access, analyze, and synthesize information to build, present, and defend an argument. Students may choose to do one of the following:

- Dig deeper into a topic studied in an AP course.

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AP Capstone is comprised of two AP courses — **AP Seminar** and **AP Research** — and is designed to complement and enhance the discipline-specific study in other AP courses. Participating schools can use the AP Capstone program to provide unique research opportunities for current AP students, or to expand access to AP by encouraging students to master the argument-based writing skills that the AP Capstone program develops.

- Work across academic areas with an interdisciplinary topic.
- Study a new area of interest, perhaps one for further study at the college level.

The AP Research course culminates in an academic paper of 4,000 to 5,000 words and a presentation with an oral defense. The two components of the through-course performance task are teacher-scored, and the academic paper is validated by the College Board after being scored. There is no end-of-course exam for AP Research.

For the oral defense, AP Research teachers should choose two additional adult panel members — expert advisers or discipline-specific experts. Both components are included in the calculation of a final AP score (using the 1–5 scale).

**Prerequisite:** *Successful completion of AP Seminar*

**Grade level:** 11, 12

# ART

Art classes are offered as electives and will integrate the study of relevant art history and appreciation materials within the framework of the specific media studied.

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## ART I

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0740 1 CREDIT



This course is designed as an introductory to senior high art. Students will be guided toward developing a visual awareness of his or her environment through drawing and design. A variety of media will be used to acquaint the student with fundamental techniques, which will focus on foundational skill building and encourage individual expression. Two pieces of work are required for display in the annual art show.

**Grade level:** 9, 10, 11, 12

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## ART II

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0741 1 CREDIT



On a more advanced level, students will continue to develop a mastery of skills and techniques through a variety of materials. Emphasis will be placed on understanding and application of compositional elements and principles of design. Assignments will include exploration of artists and art history. Three pieces of work are required for display at the annual art show.

**Prerequisite:** Final "C" grade or higher in Art I

**Grade level:** 10, 11, 12

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## ART III

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0742 1 CREDIT



In this course, emphasis will be placed on effective selection and use of compositional design elements. Besides art production, assignments will reference to

art history, art criticism, and aesthetics. Focus will be on development of the student's individual style, and a proficiency of both 2-D and 3-D media and techniques. Four pieces of work are required for display in the annual art show.

**Prerequisites:** Final "C" grade or higher in Art I and Art II

**Grade level:** 11, 12

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## ART IV

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0743 1 CREDIT



This course is designed for the advanced art student who wishes to pursue his/her continued development as an artist, as well as specialize in some aspect of art upon graduation. Emphasis will be placed on more complex creative problem solving, individual projects, and open ended prompts. A minimum of six new, thematic pieces of art are required for exhibit within their installations at the annual art show.

\*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisite:** Final "C" grade or higher in Art III

**Grade level:** 12

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## AP STUDIO ART: DRAWING

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0744 1 CREDIT



This course will enable the student to show an understanding of the language of art through the execution of an advanced two-dimensional drawing class. The student will have summer assignments which will include trips to museums, artist research, found object drawings, still life construction, drawing, journaling and maintenance of their sketchbook. In the classroom, the student will show a high level of knowledge of drawing materials such as, but not

# ART

Art classes are offered as electives and will integrate the study of relevant art history and appreciation materials within the framework of the specific media studied.

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limited to, pencil, chalk pastel, oil paint, watercolor, pen and ink, etc. During the student's time in the classroom, the ultimate goal will be to meet the requirements for the AP Portfolio submission. The AP Portfolio submission takes the place of the written AP Exam at the end of the school year. The Portfolio will consist of 29 pieces made up of 24 digital submissions along with 5 physical works.

**\*Students may earn a weighted grade on the 5.0 scale for this course.**

***Prerequisites:*** An "A" average in Art I, Art II and Art III,  
*Enrollment in Art IV, Teacher recommendation*

***Grade level: 12***

# BUSINESS, COMPUTER AND INFORMATION TECHNOLOGY

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## ACCOUNTING I

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0606 1 CREDIT



Accounting is so much a part of our business lives that accounting has been called the “language of business.” Accounting I has been designed to serve the needs of all students who are considering a career in business or who would like an introduction to the fundamentals of accounting. Content focuses on the basics of financial analysis for sole proprietorships and partnerships. Through integrated software applications, students will develop an understanding of accounting information systems and build a strong foundation in basic procedures. Accounting is a core requirement for all business majors in college. Previous computer experience is not a requirement for the course.

*Grade level: 9, 10, 11, 12*

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## CHS FINANCIAL ACCOUNTING

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0607 1 CREDIT



Students will learn principals of accounting theory and practice currently used in accounting information systems. Topics covered include accounting for service and merchandising business enterprises. The processes of analyzing, journalizing, and posting are covered in-depth, as well as adjusting accounts, preparing financial statements, and completing the accounting cycle. Deferrals, accruals, accounting for merchandise

inventory, ethics and internal controls, cash and receivables are also covered.

This course is a part of the Robert Morris University College in High School program which would allow a student to potentially earn course credits at Robert Morris University. An additional fee payable to Robert Morris will be charged in September for students wishing to exercise this option. These credits may be transferable to other universities; check with the college you plan to attend. \*Students may earn a weighted grade on the 5.0 scale for this course.

*Prerequisite: A passing grade in Accounting I*

*Grade level: 10, 11, 12*

❖ **This course may count toward a student's fourth mathematics credit.**

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## BASIC WEB DESIGN WITH DREAMWEAVER AND PROGRAMMING

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0610 .50 CREDIT



Students will be introduced to the latest web page design software Adobe Dreamweaver. In addition, students will learn how to code for web design by using the HTML and JavaScript programming language. Students will learn proper procedures to create websites suitable for coursework, professional purposes, and personal use.

*Grade level: 9, 10, 11, 12*

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## 3-D ANIMATION WITH FLASH 0611 .50 CREDIT

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Students will build a solid foundation in problem solving, critical thinking, and logic. In addition, students will gain a comprehensive introduction to basic programming concepts using Adobe Flash. Students will create media-rich applications in Flash by developing layered graphics, creating animation using frame-by-frame and tweening, creating symbols and adding interactivity using Action Script, a scripting programming language.

**Grade level:** 9, 10, 11, 12

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## SPORTS AND ENTERTAINMENT MARKETING I 0612 .50 CREDIT

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This class will provide students an introduction to marketing principles and practices using examples in the sports and entertainment industries. With this basic marketing foundation, students will be a step ahead when pursuing a variety of career opportunities such as sales, sales management, advertising, research, marketing consulting, insurance, marketing management, franchising, public relations, communications, and retailing. These marketing principles and practices are invaluable when looking at a student's future and especially when they begin to market themselves.

**Grade level:** 9, 10, 11, 12

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## SPORTS AND ENTERTAINMENT MARKETING II 0614 .50 CREDIT

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Students will utilize and expand on marketing concepts learned in Sports and Entertainment Marketing I by completing more real world projects. A comprehensive marketing plan will be completed in this class as well.

**Prerequisite:** A passing grade in Sports and Entertainment Marketing I

**Grade level:** 9, 10, 11, 12

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## SPORTS AND ENTERTAINMENT MANAGEMENT I 0613 .50 CREDIT

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This class will provide students an opportunity to learn how management operates through various functions, often classified as planning, organizing, leading/motivating and controlling. Whether it is the private, public, or non-profit sectors, the need for management skills is in ever-rising demand. The ability of an individual to successfully manage the various components of an organization, while at the same time integrating these components to achieve the mission of an organization, is needed in all sectors of the national and international business community to meet the challenges of a world economy. Management provides the knowledge and skills to meet these challenges.

**Grade level:** 9, 10, 11, 12

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## SPORTS AND ENTERTAINMENT MANAGEMENT II

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0615 .50 CREDIT



Students will utilize and expand on management concepts learned in Sports and Entertainment Management I by exploring different roles of managers while completing more real world projects.

**Prerequisite:** A passing grade in Sports and Entertainment Management I

**Grade level:** 9, 10, 11, 12

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## CAREER AND PERSONAL SUCCESS

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0618 .50 CREDIT



Students will explore a variety of career fields and will cover materials relating to application forms, cover letters, resumes, job interviews, and career advancement. Communications skills for effectiveness on the job and in personal relationships will be addressed. Students will examine personal career opportunities and explore some of the individual aspects of the decisions they make as well as develop the means to attain a job and advance in a career. This course will help the student acquire the tools necessary to manage the personal aspects of their life. They will learn money management, banking, credit, and consumerism. This will enhance their ability to adapt smoothly into an adult role in society.

**Grade level:** 9, 10, 11, 12

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## BUSINESS OWNERSHIP/ENTREPRENEURSHIP

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0619 .50 CREDIT



Have you ever dreamed of owning and operating your own business? Would you like to be a decision maker and the boss? In this semester course, students learn the basics of business ownership starting with a concept and then developing that idea into an actual business plan. Some of the topics covered include forms of business ownership, site location, management, marketing, credit policies, e-commerce, business technologies, legal issues and employee relations. This knowledge is virtually unlimited as most careers within our economic system relate to the business world. Learn what it takes to be a successful entrepreneur and transform something you love into a profitable business!

**Grade level:** 9, 10, 11, 12

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## FASHION MERCHANDISING

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0620 .50 CREDIT



Students are taught fashion industry basics and business skills. They will learn about advertising, promotion, store planning, and visual merchandising. They also have the opportunity to build strong foundations in buying, inventory, stock control, product assortment analysis, budgets, distribution strategies, and business planning.

**Grade level:** 9, 10, 11, 12

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## DIGITAL ARTS

0621 .50 CREDIT

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Students will learn how to create graphics for a wide variety of media, including print applications and Web pages. Students will build drawing and painting skills through the exploration and practice of technology based software. Observations, critical thinking, and problem solving are stressed as important components of the illustration process.

**Grade level: 9, 10, 11, 12**

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## INTRODUCTION TO PROGRAMMING

0622 .50 CREDIT

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Introduction to Programming is a one semester course where students will be exposed to the fundamentals of creating computer software. Students will explore several programming languages. Students will create programs that explore data types, program structure, and best programming practices. Students will be able to design efficient algorithms and write the code based on these algorithms to solve common programming tasks. This course will be very hands on and delivered entirely in a web-based format. This course will expose students to the computer science field of programming and prepare students to succeed in higher level programming classes.

**Prerequisite:** Successful completion of Algebra I

**Grade level: 9, 10, 11, 12**

## COMPUTER SCIENCE COURSES

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### AP COMPUTER SCIENCE PRINCIPLES

0630 1 CREDIT

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AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. **\*Students may earn a weighted grade on the 5.0 scale for this course.**

- Curriculum is built around fundamentals of computing including problem solving, working with data, understanding the Internet, cybersecurity, and programming.
- Teachers choose the programming language(s)
- Encourages a broader participation in the study of computer science and other STEM fields, including AP Computer Science A
- AP assessment experience:
  - Two performance tasks students complete during the course to demonstrate the skills they have developed (administered by the teacher; students submit digital artifacts)

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- Multiple-choice questions (written exam)

**Prerequisite:** Successful completion of Algebra I

**Grade level:** 10, 11, 12

❖ This course may count toward a student's fourth mathematics credit.

- AP assessment experience:
  - Multiple-choice and free-response questions (written exam)

**Prerequisite:** Must be enrolled in a minimum of Algebra II

**Grade level:** 10, 11, 12

❖ This course may count toward a student's fourth mathematics credit.

## AP COMPUTER SCIENCE A

0632 1 CREDIT



Computer science embraces problem solving, algorithms, and perspectives that help people utilize computers to address real world problems in contemporary life. The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodology, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course requires that potential solutions of problems be written in the Java programming language. Java is an extensive language, and only a subset of Java will be covered in the course. \*Students may earn a weighted grade on the 5.0 scale for this course.

- Curriculum is focused on object-oriented programming and problem solving
- Java is the designated programming language
- Encourages skill development among students considering a career in computer science or other STEM fields

## ADVANCED PROGRAMMING/ANDROID APP DEVELOPMENT

0634 1.00 CREDIT



Advanced Programming/Android App Development is the second course in the programming sequence. Students will use the Java programming language to explore advanced data structures such as stacks, heaps, linked lists, hash tables, and trees. Students will write free standing programs that will be self-contained and deployable on any computer. Students will spend over half the year being introduced to android programming and writing apps that cover the majority of concepts involved with programming devices that run on the android operating system. Students will write 12-16 apps including an app of their own design. Students will learn how to promote, market, and distribute their apps through Google Play. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisite:** Successful completion of AP Computer Science A

**Corequisite:** Must be enrolled in Trigonometry or higher

**Grade level:** 11, 12

# BUSINESS, COMPUTER AND INFORMATION TECHNOLOGY

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## ZULAMA GAMING ACADEMY COURSES

competition and playfulness, demonstrate a working knowledge of triangularity, and debug using iterative game design.

*Prerequisite: Game Design for 9<sup>th</sup> grade students or being in 10<sup>th</sup> grade or higher*

*Grade level: 9, 10, 11, 12*

### GAME DESIGN

0650 .50 CREDIT



“Gaming” doesn’t only mean video games. Gamers also play board games, card games, simulations, and participate in interactive stories. This semester course breaks down the design process step by step. You will learn the fundamentals through hands-on modding, prototyping, and iteration of a variety of games. Your final project will include building, playtesting, and revising your own original game that can be played with friends and added to your game portfolio. Students will continue to utilize Project Spark to become familiar with game design principles.

*Grade level: 9, 10, 11, 12*

### GAMEMAKER PROGRAMMING I

0653 .50 CREDIT



In this semester course, learn the concepts taught in a college-level “Programming 101” course, but all of the projects are games! You will receive an introduction to basic programming by building two dimensional (2D) games. GameMaker, the 2D game engine you’ll be using, is based on a scripting language that builds techniques that can be transferred to any other programming language such as Python, Java and C++. You will finish complete stand-alone executable games that can be played with friends and added to your digital portfolio.

*Prerequisite: Mobile App & Game Design*

*Grade level: 10, 11, 12*

### MOBILE APP AND GAME DESIGN

0651 .50 CREDIT



It seems as if everyone has an idea for an “app” these days! In this semester course, you will use professional game design techniques to create playable mobile games that you can add to your game design portfolio. Using GameSalad, you will learn the fundamentals of game balance, apply

### GAMEMAKER PROGRAMMING II

0654 .50 CREDIT



This is the second level of GameMaker Programming. Students in this semester course will continue to learn and build upon the concepts taught in a college-level “Programming 101” course, but all of the projects are games! You will receive an

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introduction to basic programming by building two dimensional (2D) games. GameMaker™, the 2D game engine you'll be using, is based on a scripting language that builds techniques that can be transferred to any other programming language such as Python, Java and C++. You will finish complete stand-alone executable games that can be played with friends and added to your digital portfolio.

*Prerequisite: GameMaker Programming I*

**Grade level: 11, 12**

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## UNITY 3D PROGRAMMING

**0656 .50 CREDIT**



Are you ready to take your programming skills into the next dimension? In this semester course, learn how to create dynamic Unity™ 3D games using the same industry standard developing engine as professionals. You will create two fully executable games that can be played on many platforms and added to your digital portfolio.

*Prerequisites: GameMaker Programming I and II*

**Grade level: 11, 12**

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## 3D MODELING I

**0657 .50 CREDIT**



Learn the 3D modeling techniques used in movies, visual effects, video games, cartoons, commercials, and animation! Using 3DS Max, you will work in this

highly skill-based art form to manipulate and sculpt pure imagination into substantial forms. By the end of the course, you will have developed a portfolio of original projects that you can use when applying for an internship, higher education, or a job.

**Grade level: 10, 11, 12**

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## 3D MODELING II

**0658 .50 CREDIT**



Continue to learn the 3D modeling techniques used in movies, visual effects, video games, cartoons, commercials, and animation! Using 3DS Max, you will work in this highly skill-based art form to manipulate and sculpt pure imagination into substantial forms. By the end of the course, you will have developed a portfolio of original projects that you can use when applying for an internship, higher education, or a job.

*Prerequisite: 3D Modeling I*

**Grade level: 10, 11, 12**

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## 3D MODELING III (WAVA ONLY)

**V659 .50 CREDIT**



This is the final section for learning the professional software 3DS Max. In this course you will learn about lighting, basic animation, and camera control. By the end of the course, you will have continued to add to your portfolio of original projects that you can use when applying for an internship, higher

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education, or a job. **In addition, after completing this course you will be prepared to take the 3DS Max Certification Exam.**

***Prerequisite:** 3D Modeling II*

***Grade level:** 11, 12*

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## GAME PRODUCTION AND MARKETING

**0660 .50 CREDIT**

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Find out how the video game industry really works by learning the tools, skills, and methodologies used to create and produce video games. You'll divide into teams to create, market, and sell your game while battling for the title of "Most Games Sold" using a virtual dollar system. Commercially viable games may result, and recommendations are given at the end of the course for taking them to market.

***Prerequisites:** Game Design and  
GameMaker Programming I and II*

***Grade level:** 11, 12*

❖ **This course may count toward a student's fourth social studies credit.**

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## REAL WORLD PROJECTS

**0661 .50 CREDIT**

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Once students have completed the Zulama foundations course (Evolution of Games) and five or more skills courses, it's time to put their new skills to use. This will be an individually driven project based course where the students will apply all of the skills learned throughout the Gaming Academy courses. The students will have time to produce their own original app/game. They will work through all of the game design steps from idea creation to project completion. Each project will be different and offers a unique and exciting opportunity for the students to add an original work to their portfolio.

***Prerequisites:** Game Design and at least five additional  
Zulama Gaming Academy skills courses*

***Grade level:** 11, 12*

❖ **This course may count toward a student's fourth social studies credit.**

# ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education is an exciting way to discover and learn how communication, construction, manufacturing and transportation impact our lives and careers. Project based instruction helps the students develop problem solving skills, critical thinking, oral and written communication, team playing, while providing continued reinforcement of academic reading, writing, and math skills that are necessary in today's "knowledge economy."

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## RESIDENTIAL CONSTRUCTION 0700 .50 CREDIT

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This is an activity-based semester course that focuses on the principles and technique of residential construction. Students will work with the application, design and tools used in the field.

*Grade level: 9, 10, 11, 12*

water and space. Students will design, build and test a vehicle for each mode.

*Grade level: 9, 10, 11, 12*

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## ENERGY/POWER SYSTEMS 0703 .50 CREDIT

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This is an activity-based semester course that focuses on the systems that power vehicles and their energy sources. Students will concentrate on small gas engines, electric motors, solar motors, hydraulics and pneumatics.

*Prerequisite: Transportation Technology with a "C" or higher*

*Grade level: 9, 10, 11, 12*

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## COMMERCIAL CONSTRUCTION 0701 .50 CREDIT

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This is an activity-based semester course that focuses on the principles of design and engineering of commercial construction. Students will design and test commercial structures for strength, craftsmanship and appearance.

*Grade level: 9, 10, 11, 12*

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## GRAPHIC DESIGN 0704 1.00 CREDIT

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This is an activity-based semester course that introduces students to elements of design, spatial relationships, typography and imagery as they apply to screen printing. The focus will be on finding creative visual solutions to communication problems using technical skills. The students will create graphic designs (art) using digital tools, employ screen preparation and use printing processes to print t-shirts, vinyl stickers and other printed media.

*Art I will greatly help, but it is not required.*

*Grade level: 9, 10, 11, 12*

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## TRANSPORTATION TECHNOLOGY 0702 .50 CREDIT

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This is an activity-based semester course that focuses on the four modes of transportation: land, air,

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## MULTIMEDIA DESIGN

0705 1 CREDIT



This course is an activity-based course exploring multimedia design as it applies to the computer interface. The students will use computer software programs to create multimedia interfaces using computer animation, web design, program design for video, video game design and computers.

**Grade level: 9, 10, 11, 12**

## DRAWING AND DESIGN FOR ENGINEERING AND ARCHITECTURE

0706 1 CREDIT



This is an activity-based course focusing on the basic technical drawing techniques commonly used for the engineering field and construction influences that focus on the style, structure and design of houses throughout history and the present. Students will acquire skills in two and three dimensional drawing and designing of products with traditional drawing and CAD (Computer Aided Drawing) drawing being emphasized; as well as study the design, structure, and materials and solve problems associated with designing and building a house.

**Grade level: 9, 10, 11, 12**

## CADD I

0708 1 CREDIT



This is an activity-based course that further focuses on CADD and its application in the architecture, art, and engineering industries. Students will concentrate on three-dimensional objects and their drawings for each industry.

**Prerequisite:** *Drawing & Design for Engineering & Architecture with a "C" or higher*

**Grade level: 10, 11, 12**

## CADD II

0709 1 CREDIT



This is an activity-based course that further focuses on CADD and its application in the architecture, art, and engineering industries. Students will concentrate on three-dimensional objects and their drawings for each industry.

**Prerequisite:** *CADD I with a "C" or higher*

**Grade level: 11, 12**

# ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education is an exciting way to discover and learn how communication, construction, manufacturing and transportation impact our lives and careers. Project based instruction helps the students develop problem solving skills, critical thinking, oral and written communication, team playing, while providing continued reinforcement of academic reading, writing, and math skills that are necessary in today's "knowledge economy."

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## CADD III

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0710 1 CREDIT



This is an activity-based course that further focuses on CADD and its application in the architecture, art, and engineering industries. Students will concentrate on three-dimensional objects and their drawings for each industry.

**Prerequisite:** CADD III with a "C" or higher

**Grade level:** 12

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## MANUFACTURING TECHNOLOGY II

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0712 1 CREDIT



This course is an activity-based course that focuses on the manufacturing industry. The students will design and manufacture a product via a mass production. The class will be structured as a company. During the course the student will establish a governing board, do market analysis, sell stock and finally, dissolve the company.

**Prerequisite:** Manufacturing Technology I with a "C" or higher

**Grade level:** 10, 11, 12

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## MANUFACTURING TECHNOLOGY I

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0711 1 CREDIT



This is an activity-based course that focuses on the manufacturing industry. Students will work with common wood working tools and know their safety. A common and individual project will be built.

**Grade level:** 9, 10, 11, 12

# ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education is an exciting way to discover and learn how communication, construction, manufacturing and transportation impact our lives and careers. Project based instruction helps the students develop problem solving skills, critical thinking, oral and written communication, team playing, while providing continued reinforcement of academic reading, writing, and math skills that are necessary in today's "knowledge economy."

## **PROJECT LEAD THE WAY (PLTW) PRE-COLLEGE ENGINEERING CURRICULUM**

*Project Lead The Way is a national non-profit organization (associated with top Higher Education Institutions, such as Rochester Institute of Technology) established to help give students the knowledge they need to excel in engineering and highly technical fields.*

*PLTW's high school program focuses on developing better problem-solving skills by immersing students in real-world engineering problems. Each of six challenging courses uses project-based, hands on experiences to teach students the key elements and skills of engineering and technology based careers. The courses make math and science relevant for students by engaging them in real world projects that increase student motivation, cooperative learning skills, and higher order thinking.*

*Seniors that have not taken the engineering prerequisites but have the math requirements and a good science background may take a course out of sequence with Engineering Department approval with the exception of the Capstone Course.*

### **INTRODUCTION TO ENGINEERING DESIGN**

**0714 1 CREDIT**



Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. \*Students may earn a weighted grade on the 5.0 scale for this course. This course does qualify for Rochester Institute of technology credit and can be transferred to other institutions.

**Corequisite:** *Presently taking Geometry or higher math course*

**Grade level:** 9, 10, 11, 12

### **PRINCIPLES OF ENGINEERING**

**0715 1 CREDIT**



This introductory course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn firsthand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit

# ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education is an exciting way to discover and learn how communication, construction, manufacturing and transportation impact our lives and careers. Project based instruction helps the students develop problem solving skills, critical thinking, oral and written communication, team playing, while providing continued reinforcement of academic reading, writing, and math skills that are necessary in today's "knowledge economy."

people. The course also addresses concerns about social and political consequences of technological change. **\*Students may earn a weighted grade on the 5.0 scale for this course. This course does qualify for Rochester Institute of Technology credit and can be transferred to other institutions.**

**Prerequisites:** Presently taking Algebra II or higher math course and completion of Introduction to Engineering with a "C" or higher

**Grade level:** 10, 11, 12

## DIGITAL ELECTRONICS

0716 1 CREDIT



This course in applied logic encompasses the application of electronic circuits and devices. Students use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices. **\*Students may earn a weighted grade on the 5.0 scale for this course. This course does qualify for Rochester Institute of Technology credit and can be transferred to other institutions.**

**Prerequisites:** Presently taking Algebra II or higher math course and completion of Introduction to Engineering with a "C" or higher

**Grade level:** 10, 11, 12

❖ This course may count toward a student's fourth science credit.

## ENVIRONMENTAL SUSTAINABILITY

0717 1 CREDIT



In this course students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students will research and design potential solutions to these true-to-life challenges.

**\*Students may earn a weighted grade on the 5.0 scale for this course. This course does NOT qualify for Rochester Institute of Technology credit.**

**Prerequisites:** Presently taking Algebra II or higher math course, Honors Biology with a "C" or higher, and completion of Introduction to Engineering with a "C" or higher

**Grade level:** 10, 11, 12

**\*Students who already took Biotechnology are not eligible.\***

❖ This course may count toward a student's fourth science credit.

## CIVIL ENGINEERING AND ARCHITECTURE

0718 1 CREDIT



Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design

# ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education is an exciting way to discover and learn how communication, construction, manufacturing and transportation impact our lives and careers. Project based instruction helps the students develop problem solving skills, critical thinking, oral and written communication, team playing, while providing continued reinforcement of academic reading, writing, and math skills that are necessary in today's "knowledge economy."

software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11<sup>th</sup> or 12<sup>th</sup> grade students. \*Students may earn a weighted grade on the 5.0 scale for this course. This course does qualify for Rochester Institute of Technology credit and can be transferred to other institutions.

**Prerequisites:** Presently taking Algebra II or higher math course and completion of Introduction to Engineering with a "C" or higher

**Grade level:** 10, 11, 12

❖ This course may count toward a student's fourth science credit.

## ENGINEERING DESIGN AND DEVELOPMENT – CAPSTONE COURSE

0719 1 CREDIT



The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. \*Students may earn a weighted grade on the 5 scale for this course. This course does NOT qualify for Rochester Institute of Technology credit.

**Prerequisites:** Presently taking Algebra II or higher math course and completion of Introduction to Engineering and either Principles of Engineering or Digital Electronics with a "C" or higher.

**Grade level:** 11, 12

❖ This course may count toward a student's fourth science credit.

## PLTW COLLEGE CREDIT

Students can earn credit at Rochester Institute of Technology (RIT) for the PLTW courses they successfully complete and also pass the exit exam. Credit for all PLTW courses can be attained from RIT and transferred to most institutions. A fee will be charged for credit earned at RIT. Further information about college credit may be found at <http://www.pltw.org/colleges-universities>.

PLTW Course	RIT Engineering Technology Course	Credits
Introduction To Engineering Design	Introduction To Engineering Design	4
Principles of Engineering	Principles of Engineering	4
Digital Electronics	Digital Electronics	4
Civil Engineering/Architecture	Civil Engineering/Architecture	4
Total Credits Possible		16

# ENGLISH LANGUAGE ARTS

The West Allegheny English Language Arts curriculum provides students varied opportunities for mastery in the areas of reading, writing, speaking, and listening. All courses have a summer reading and writing requirement; students should collect the materials before they leave school for the summer. AP English Language & Composition and AP English Literature & Composition will include an additional requirement specific to each class.

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## ENGLISH 9 ACCELERATION

0100 1 ENGLISH CREDIT/1 ELECTIVE CREDIT

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The goal of this course is to promote reading and literacy skills to enhance a student's overall opportunities for success for the remainder of his/her high school career and beyond. Students enrolled in this course have demonstrated the need for additional literacy and reading instruction based on 8<sup>th</sup> grade PSSA Reading scores as well as other critical indicators. This course will consist of a double block, inclusive environment which will be co-taught by a certified English teacher and certified Reading Specialist / Learning Support teacher. The English 9 course curriculum provides the framework for instruction, however there will be more emphasis placed on reading and writing strategies to ensure that students are excelling the areas needing growth. Students enrolled in Accelerated English 9 will receive one English credit and one elective credit toward graduation requirements by successfully completing the course.

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## ACADEMIC ENGLISH 9

0101 1 CREDIT

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To prepare students for post-secondary endeavors, this class will provide an introduction to reading and analysis of fiction and nonfiction materials through the use of text-dependent questions, close readings, etc. The class will also provide an introduction to formal academic writing. Composition experiences will

center on the development of the basic essay. In addition, those enrolled will apply writing skills to the analysis of quality literature in the areas of fiction, nonfiction, poetry, and drama. Research skills are also emphasized through various required projects. Students will be responsible for independent study in the form of reading and writing. Academic English 9 provides the foundation of literacy skills needed to be successful in all courses where reading, writing and analysis may apply.

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## PRE-AP/HONORS ENGLISH 9

0106 1 CREDIT

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Pre-AP English 9 establishes the foundation for the AP English program; therefore, parents and prospective students should exercise caution when considering this challenging course. An emphasis will be placed on age-appropriate study in order to prepare students for independent post-secondary course work. This study may include, but is not limited to: 1) nightly homework, 2) independent study (i.e. writing and reading assignments) and, for various required projects 3) formal academic library research in and outside of school. Emphasis will be placed on analysis of fiction and nonfiction, poetry and drama through the use of text-dependent questions and close readings. Students will be expected to synthesize their ideas by using evidence from primary and secondary sources. Students will be called on to present as an individual or within a group and students will be expected to work effectively within their groups. Since partner, small and large group discussions are an essential part of this class it is expected that students be respectful of other's opinions, be able to make intellectual contributions

# ENGLISH LANGUAGE ARTS

The West Allegheny English Language Arts curriculum provides students varied opportunities for mastery in the areas of reading, writing, speaking, and listening. All courses have a summer reading and writing requirement; students should collect the materials before they leave school for the summer. AP English Language & Composition and AP English Literature & Composition will include an additional requirement specific to each class.

to the discussion and build off of other's students' contributions. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisites:** A "B" average in 8<sup>th</sup> grade English, Teacher recommendation

## ENGLISH 10 ACCELERATION

0110 1 ENGLISH CREDIT/1 ELECTIVE CREDIT



The goal of this course is to promote reading and literacy skills to enhance a student's overall opportunities for success for the remainder of his/her high school career and beyond. Students enrolled in this course have demonstrated the need for additional literacy and reading instruction based on their 9<sup>th</sup> grade English performance and teacher recommendation as well as other critical indicators. This course will consist of a double block, inclusive environment which will be co-taught by a certified English teacher and certified Learning Support teacher. The English 10 course curriculum provides the framework for instruction, however there will be more emphasis placed on reading and writing strategies to ensure that students are excelling the areas needing growth. Students enrolled in Accelerated English 10 will receive one English credit and one elective credit toward graduation requirements by successfully completing the course.

## ACADEMIC ENGLISH 10

0111 1 CREDIT



To prepare students for post-secondary endeavors, students are expected to have mastered the basic skills of the multi-paragraph essay, and to become proficient in writing them during the course of the year. In addition to the study of various literature genres, those enrolled will continue strengthening composition skills, developing public speaking skills and enhancing critical thinking. Critical analysis in discussions and writing is emphasized and applied to various genres of fiction and nonfiction, such as drama, short stories, biographies and essays. Students will take the Literature Keystones Exam towards the end of the year. A proficient score is required. If a proficient score is not achieved, remediation will be required

## PRE-AP/HONORS ENGLISH 10

0112 1 CREDIT



Pre-AP English 10 continues building a foundation for the AP English program; therefore, parents and prospective students should exercise caution when considering this challenging course. Students are expected to have mastered the basic skills of the multi-paragraph essay, and to become proficient in writing them during the course of the year. Also, in addition to the study of various literature genres, those enrolled will continue strengthening composition skills, developing public speaking skills and enhancing critical thinking. Critical analysis in discussions and writing is emphasized and applied to

# ENGLISH LANGUAGE ARTS

The West Allegheny English Language Arts curriculum provides students varied opportunities for mastery in the areas of reading, writing, speaking, and listening. All courses have a summer reading and writing requirement; students should collect the materials before they leave school for the summer. AP English Language & Composition and AP English Literature & Composition will include an additional requirement specific to each class.

various genres of fiction and non-fiction such as drama, short stories, biographies and essays. Also, an emphasis will be placed on age-appropriate study in order to prepare the student for independent post-secondary course work. The latter may include but is not limited to: 1) nightly homework, 2) independent study (i.e. writing and reading assignments), 3) research in school during classes and study halls as well as research outside of school for various required projects. Students will take the Literature Keystone Exam towards the end of the year. A proficient score is required. If a proficient score is not achieved, remediation will be required. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisites:** A "B" average in English 9 or Honors English 9,  
Teacher recommendation

## COLLEGE READINESS ENGLISH 11

0121 1 CREDIT



College Readiness English is a course designed to prepare students to meet the academic rigors of college work. College Readiness English 11 will emphasize close and critical readings of texts from the Collections text as well as other supplemental materials. Students will take part in rigorous novel studies with culminating projects to support each novel. Students enrolled in this challenging course will enhance their critical writing and thinking skills through various writing assignments and works of literature. Writing assignments will cover a wide variety of academic writing that will focus on analysis and critical thinking. Students will be given opportunities to work collaboratively with their peers, practice presentation skills, and participate actively in peer-driven academic discussions.

## AP ENGLISH LANGUAGE AND COMPOSITION

0122 1 CREDIT



AP English Language and Composition course cultivates the reading and writing skills that students need for collegiate success and for intellectually responsible civil engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions *rhetorically* to communicate writers' intentions and elicit readers' response in particular situations. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres (e.g. memos, letters, advertisements, political satires, personal narratives, scientific arguments, cultural critiques, research reports) about a variety of subjects. In the course, students will encounter work with, and evaluate, both primary and secondary sources. This course requires significant reading and writing outside of class. Students will be required to take the Advanced Placement exam at the end of the course. \*Students may earn a weighted grade on the 5.0 scale for this course.

**Prerequisites:** A "B" average in Honors English 10,  
Teacher recommendation

**Grade level:** 11

**NOTE: This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.**

# ENGLISH LANGUAGE ARTS

The West Allegheny English Language Arts curriculum provides students varied opportunities for mastery in the areas of reading, writing, speaking, and listening. All courses have a summer reading and writing requirement; students should collect the materials before they leave school for the summer. AP English Language & Composition and AP English Literature & Composition will include an additional requirement specific to each class.

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## CAREER READINESS ENGLISH

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0130 1 CREDIT



Career Readiness English is a course designed to prepare students for the rigors and demands of the workforce. Materials for study will be drawn from the Collections text, the core novels, non-fiction texts, work manuals, newspapers, and more. Writing objectives will include practice and exposure to technical writing, letters, memos, reports, financial documents, manuals, business plans, incident reports and more while allowing students to choose topics that pertain to their chosen career field. The writing assignments will be enhanced by presentation opportunities mirroring presentations that may be required in various career fields. Students will work both independently and collaboratively. Career skill objectives will include a variety of real world exposure to necessary career skills such as: professionalism, group dynamics and teamwork, interviewing skills, presentation skills, the importance of networking, understanding technical writing and reading for work. Students will be exposed to a variety of career fields, with opportunities for networking with local career representatives.

*Grade level: 11, 12*

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## COLLEGE READINESS ENGLISH 12

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0131 1 CREDIT



College Readiness English 12 will build on the critical and analytical skills established in 11<sup>th</sup>

grade. This course will emphasize close and critical readings of texts from the Collections text as well as other supplemental materials. Students will take part in rigorous novel studies with culminating projects to support each novel. Students in this class will delve more deeply into college level texts focusing on higher level thinking questions and higher level tasks. Students enrolled in this course will be expected to be advocates for their learning and workload to prepare them for the self-discipline and awareness necessary in college. Writing assignments will cover a wide variety of academic writing that will focus on analysis and critical thinking. Students will be given opportunities to work collaboratively with partners and in group situations as well as present in front of their peers.

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## AP ENGLISH LITERATURE AND COMPOSITION

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0132 1 CREDIT



This course focuses on the strengthening of advanced skills in reading and writing, with a primary focus on author's craft, purpose, and effect on the reader. It is designed for those who can progress rapidly to work beyond the high school level. Through extensive reading of world literature, students will learn to articulate their responses and to develop abilities in critical reading and analysis expected in college. In composition, emphasis is on extensive literary analysis of fiction, drama, and poetry, as well as the process of writing in many longer expository and argumentative forms. Students will synthesize literary claims by providing support from primary and secondary sources. Students will begin to assume responsibilities for their own learning. Students will be called on to present as an individual or within a group and students will be expected to work effectively within their groups. Since partner, small and large group discussions are a critical part of this class it is expected that students be respectful of

# ENGLISH LANGUAGE ARTS

The West Allegheny English Language Arts curriculum provides students varied opportunities for mastery in the areas of reading, writing, speaking, and listening. All courses have a summer reading and writing requirement; students should collect the materials before they leave school for the summer. AP English Language & Composition and AP English Literature & Composition will include an additional requirement specific to each class.

other's opinions, be able to make intellectual contributions to the discussion and build off of other's students contributions. Students will be exposed to different literary critique theories which they will utilize when examining texts. This course requires significant reading and writing outside of class. Students will be required to take the Advanced Placement exam at the end of the course. \*Students may earn a weighted grade on the 5.0 scale for this course.

**Prerequisites:** A "B" average in College Readiness English 11 or a "B" average in AP English Language & Composition, Teacher recommendation

**Grade level:** 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

**NOTE:** ALL English courses have a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

**AP English Language & Composition and AP English Literature & Composition will include an additional requirement specific to each class.**

of fiction and non-fiction forms within the genres of poetry, fiction, creative non-fiction, and drama. Students will learn to incorporate a variety of literary techniques and experiment with stylistic and creative forms. Students will be provided with supportive and specific feedback as they work to refine, revise, and rework their writing.

**Prerequisite:** Teacher recommendation

**Grade level:** 11, 12

## PUBLIC SPEAKING

0151 .50 CREDIT



This semester class has been designed to give students an opportunity to develop personal expression skills and self-confidence as well as to increase their appreciation for the aesthetic qualities of oral discourse. These goals will be accomplished through three strands of study: In the first, the students will prepare various types of discourse such as those meant to inform, entertain, persuade, or tell a story. Next, those enrolled will be asked to speak extemporaneously on a variety of topics with which they are familiar, such as world events, local news, or school issues. In both strands, the students will be encouraged to sharpen their organizational and delivery skills. Finally, students will be encouraged to appreciate the use of imaginative language as it is found in literature. In addition, critical listening skills will be developed as students analyze one another's oral presentations.

**Prerequisite:** Teacher recommendation

**Grade level:** 11, 12

## CREATIVE WRITING

0150 .50 CREDIT



The purpose of the semester long Creative Writing course is to encourage students to write in a variety

# FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences classes are offered as both full year and semester electives. Various interests which fall under the umbrella of Family and Consumer Sciences are explored. Students may choose from courses that explore an understanding of early childhood development, gain appreciation and knowledge of various cooking styles and techniques, and increase skills in personal development.

## INTRODUCTION TO CULINARY ARTS

0720 .50 CREDIT



This semester class will focus on the basic fundamentals of food preparation. These “hands on” activities include recipe comprehension, measuring ingredients, preparation tasks, time management and teamwork. Through varied lab experiences students will focus on nutrition, meal management and basic food preparation techniques. Students will prepare a variety of recipes from all of the food groups in a safe and creative way. If you want to deepen your knowledge of food preparation, this a great course to start!

*Grade level: 9, 10, 11, 12*

## ART OF BAKING

0722 .50 CREDIT



This semester course focuses on the fundamentals and science involved in the making of quick and yeast breads, pies, pastries, cakes, cake decorating, and cookies. Students will analyze how to bake on a budget and to limit the use of preservatives. An emphasis will be placed on STEAM related components such as scientific functions of ingredients, experiments, measuring and math accuracy, and baking terminology are integrated into weekly laboratories. You will learn to make healthy substitutions, where available, as you become expert bakers.

*Grade level: 9, 10, 11, 12*

## FOOD FOR TODAY

0721 .50 CREDIT



The first nine weeks of this course will focus on meal planning and choosing and preparing a variety of foods that can fit into today's lifestyle. Students will learn to choose, purchase, prepare and eat healthful foods at home or work, in a restaurant, at a picnic or party, and on the go. Students will be introduced to various ways of combining fresh foods, convenience foods, prepared foods, and eating out into a healthful meal plan. The second nine weeks will center on foods for entertaining. Students will also learn how to add creative additions such as herbs, spices, and garnishes while preparing a variety of foods.

*Grade level: 9, 10, 11, 12*

## WORLD CUISINE

0723 .50 CREDIT



This semester foods course is designed for students to learn about the historical and cultural influences that have contributed to food specialties in countries throughout the world. It will provide students with the opportunity to experience the application of basic food principles of food science and the relationship to the individual, family, and societal wellness. While identifying factors that influence food customs, students will prepare and evaluate the nutritional content of world foods.

*Grade level: 9, 10, 11, 12*

# FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences classes are offered as both full year and semester electives. Various interests which fall under the umbrella of Family and Consumer Sciences are explored. Students may choose from courses that explore an understanding of early childhood development, gain appreciation and knowledge of various cooking styles and techniques, and increase skills in personal development.

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## FOOD FOR SPORT

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0724 .50 CREDIT



Like most young adults, you've probably heard that physical activity and good nutrition are good for you. If you are already including this in your daily routine...great! But maybe you need to step it up and push yourself a little harder. Regular exercise along with balancing good nutrition are important to the physical and emotional health of everyone. This course will provide students with a hands-on STEAM approach to learning the biochemistry of food and how food choices can impact athletic performance and their overall health. They will explore the relationship between scientific principles and real-life food preparation techniques.

*Grade level: 9, 10, 11, 12*

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## FINANCIAL LITERACY: SURVIVING THE REAL WORLD

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0725 .50 CREDIT



In this semester course there will be a focus on higher education opportunities as well as financial options for continuing education. Students will explore aptitudes, interests, and careers. Students will develop skills for financial management to include managing bank accounts (including electronic banking), writing checks, maintaining a budget, filing taxes, analyzing a pay stub/fringe benefits, understanding and managing credit, protecting against identity theft, obtaining loans,

investments, and insurance. Course will address consumer skills such as comparison shopping, menu planning and grocery shopping, couponing, and researching consumer goods and services.

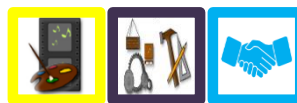
*Grade level: 9, 10, 11, 12*

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## INTERIOR DESIGN

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0726 .50 CREDIT



This semester course will provide students with the design fundamentals that form the foundation by which all interior design is judged. Students will learn to make appropriate selections of colors, fabrics, furnishings, lighting and furniture. Students will develop skills in space planning and resource management. Class projects include decorating sample rooms and designing floor plans with an emphasis on STEAM related applications including: problem solving skills, creativity, math, and innovation. Students will study the history of housing and furniture styles. Unit topics will include housing options, acquiring housing, understanding floor plans, elements and principles of design, textiles, furniture styles and trends, and home safety and maintenance. Exposure to career opportunities will be made through research, guest speakers and/or field trips. This course incorporates elements of consumerism and financial management (planning on a budget, etc).

*Grade level: 9, 10, 11, 12*

# FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences classes are offered as both full year and semester electives. Various interests which fall under the umbrella of Family and Consumer Sciences are explored. Students may choose from courses that explore an understanding of early childhood development, gain appreciation and knowledge of various cooking styles and techniques, and increase skills in personal development.

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## RELATIONSHIPS AND PARENTING

0727 .50 CREDIT

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This semester course is designed to help students prepare for adult living situations. The semester begins by exploring healthy relationships with discussions on dating, dating/domestic violence awareness, expectations for marriage and successful communication. The course then focuses on starting a family and understanding the roles and challenges of becoming a parent. Prenatal care and fetal development will be a focus as well as infant care skills and discipline/guidance techniques. Students will experience the responsibility of caring for our computerized babies for the weekend. Students will also explore their personal feelings about their own family relationships and gain a better understanding of themselves. This course provides students with the tools and information they need to handle the challenges of current and future relationships. Students majoring in counseling, social work, education, psychiatry, family therapy, child care and other careers dealing with family dynamics, as well as anyone who plans to have their own family in the future, will benefit from this class.

*Grade level: 9, 10, 11, 12*

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## DYNAMIC LIVING

0728 1 CREDIT

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This comprehensive family and consumer sciences course is intended to teach skills, ideas, and concepts that students can use throughout their lives. Topics include: personal development, basic

food preparation and nutrition, consumer skills, clothing care and fashion, and an introduction to interior design and child development. It provides a general overview of all other classes offered in the FCS department and is a great place to start on the road to independent living.

*Grade level: 9, 10, 11, 12*

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## CHILD DEVELOPMENT

0732 1 CREDIT

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This course has been developed for high school students interested in human behavior and career opportunities available in child care services and early childhood/elementary education. Students will examine the role of a parent and teacher through the understanding of children and by use of “hands-on” activities with preschool children. September through November will focus on child development theory, while December through May will be hands-on experience.

**❖ Students must have a passing grade for the first marking period to participate in teaching preschool.**

*Grade level: 11, 12*

# FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences classes are offered as both full year and semester electives. Various interests which fall under the umbrella of Family and Consumer Sciences are explored. Students may choose from courses that explore an understanding of early childhood development, gain appreciation and knowledge of various cooking styles and techniques, and increase skills in personal development.

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## CHILD DEVELOPMENT II

0733 1 CREDIT

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This class is an extension of Child Development I, reviewing the areas of development as well as learning the value and strategies to teach communication skills and projects. During preschool session, November through early May, students will plan and implement daily lessons as well as two-week projects in our four year-old preschool classroom.

**Prerequisite:** Completion of Child Development I with a grade of "B" or better

**Grade level: 12**

# MATHEMATICS

The West Allegheny Math Curriculum is aligned with Pennsylvania's Core Standards and taught through three core courses: Algebra I, Geometry, and Algebra II. In addition, topics from logical reasoning, measurement, probability, statistics, discrete math, and functions are interwoven throughout each. Honors courses offer a faster pace, greater challenge, and more mathematical theory. Additional advanced mathematics opportunities are available for students progressing beyond Algebra II.

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## ALGEBRA I 0308 1 MATH CREDIT/1 ELECTIVE CREDIT

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Algebra I represents the beginning of academic mathematics and offers the student a contemporary study of algebra. Topics included in the course are relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, equations and expressions, and quadratic functions and modeling. This course will meet for 12 periods out of a 6 day rotation.

**Prerequisite:** Solid background in basic computations

**Grade level:** 9

course will meet for 12 periods out of a 6 day rotation.

**Prerequisite:** Successful completion of Algebra I and teacher recommendation

**Grade level:** 9, 10

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## GEOMETRY 0310 1 MATH CREDIT

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Geometry uses inductive and deductive approaches to cover the topics of plane and solid geometry. Students will develop skills necessary to make and verify conjectures through reasoning and/or proof. Topics include congruence with proof and constructions, similarity, similarity with trigonometry, extending to three dimensions, connecting algebra and geometry through coordinates, circles with and without coordinates, and applications of probability.

**Prerequisite:** Successful completion of Algebra I, Proficient on Algebra I Keystone, Teacher recommendation

**Grade level:** 9, 10

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## GEOMETRY BLOCK 0309 1 MATH CREDIT/1 ELECTIVE CREDIT

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Geometry uses inductive and deductive approaches to cover the topics of plane and solid geometry. Students will develop skills necessary to make and verify conjectures through reasoning and/or proof. Topics include congruence with proof and constructions, similarity, similarity with trigonometry, extending to three dimensions, connecting algebra and geometry through coordinates, circles with and without coordinates, and applications of probability. This course will use real world/practical problems as well as reinforce skills and concepts developed in Algebra I. This

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## ADVANCED GEOMETRY 0311 1 MATH CREDIT

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Advanced geometry is designed for students with superior skills in mathematics because it provides a

# MATHEMATICS

The West Allegheny Math Curriculum is aligned with Pennsylvania's Core Standards and taught through three core courses: Algebra I, Geometry, and Algebra II. In addition, topics from logical reasoning, measurement, probability, statistics, discrete math, and functions are interwoven throughout each. Honors courses offer a faster pace, greater challenge, and more mathematical theory. Additional advanced mathematics opportunities are available for students progressing beyond Algebra II.

rigorous, in-depth look at the topics studied in Geometry. Students enrolled in this course must be able to reason deductively. Topics include congruence with proof and constructions, similarity, similarity with trigonometry, extending to three dimensions, connecting algebra and geometry through coordinates, circles with and without coordinates, and applications of probability. These topics will be taught with a heavy emphasis on proof and construction. The constructions will be done using compasses and straight edges and also using technology.

**Prerequisites:** "B" or higher in Algebra I, Advanced on Algebra I Keystone, Teacher recommendation

**Grade level:** 9, 10

## ALGEBRA II

0315 1 CREDIT



Algebra II represents the continuation of academic mathematics and offers the student a contemporary study of algebra. This course will enable the students to understand, apply, and model real world situations with polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and inferences and conclusions with data.

**Prerequisites:** Successful completion of Algebra I and Geometry, Teacher recommendation

**Grade level:** 9, 10, 11, 12

## ALGEBRA II WITH LAB

0316 1 MATH CREDIT/.50 ELECTIVE CREDIT



Algebra II with lab is a continuation of the topics covered in Algebra I. Algebra II topics include linear functions, systems and inequalities using modeling and multiple representations, matrices, modeling and multiple representations; quadratic expressions and equations, polynomial expressions and equations, exponential functions, quadratic functions, higher order polynomials and rational functions, exponentials, complex numbers, functional notation, and probability. Students will use the lab time to further explore Algebra II topics and topics to be assessed on the Keystone Exam. This course will meet for 9 periods out of a 6 day rotation.

**Prerequisites:** Successful completion of Algebra I and Geometry, Teacher recommendation

**Grade level:** 10, 11

## HONORS ALGEBRA II

0317 1 CREDIT



Honors Algebra II is a rigorous preparation for advanced mathematics. Exercises are more

# MATHEMATICS

The West Allegheny Math Curriculum is aligned with Pennsylvania's Core Standards and taught through three core courses: Algebra I, Geometry, and Algebra II. In addition, topics from logical reasoning, measurement, probability, statistics, discrete math, and functions are interwoven throughout each. Honors courses offer a faster pace, greater challenge, and more mathematical theory. Additional advanced mathematics opportunities are available for students progressing beyond Algebra II.

challenging, including graphing calculator explorations involving investigation of algebraic concepts. Topics include: polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and inferences with conclusions from data. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisite:** "B" or higher in Geometry or Advanced Geometry, Teacher recommendation

**Grade level:** 9, 10, 11

## TRIGONOMETRY/PRECALCULUS 0319 1 CREDIT



Trigonometry/Precalculus provides a strong foundation of trigonometric and precalculus concepts, techniques, and applications to prepare students for more advanced work in mathematics. Technology is incorporated throughout the course to facilitate learning and doing mathematics. Students will develop quantitative reasoning and problem solving skills along with the ability to understand and communicate mathematical ideas effectively. Topics include: functions and graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and analytic geometry.

**Prerequisites:** Successful completion of Honors Algebra II or Algebra III, Teacher recommendation

**Grade level:** 10, 11, 12

## HONORS TRIGONOMETRY/PRECALCULUS

0320 1 CREDIT



Honors Trigonometry/Precalculus is a rigorous preparation for advanced mathematics courses. The exercises in this course are more challenging, including graphing calculator explorations involving investigations of precalculus and trigonometric concepts. Students will explore traditional trigonometry and pre-calculus at a deeper level. Topics include: functions and graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and analytic geometry. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisites:** "B" or higher in Honors Algebra II, Teacher recommendation

**Grade level:** 10, 11, 12

## DISCRETE MATH

0321 1 CREDIT



Discrete mathematics is the study of mathematical structures that are fundamentally discrete rather than continuous. In contrast to real numbers that

# MATHEMATICS

The West Allegheny Math Curriculum is aligned with Pennsylvania's Core Standards and taught through three core courses: Algebra I, Geometry, and Algebra II. In addition, topics from logical reasoning, measurement, probability, statistics, discrete math, and functions are interwoven throughout each. Honors courses offer a faster pace, greater challenge, and more mathematical theory. Additional advanced mathematics opportunities are available for students progressing beyond Algebra II.

have the property of varying "smoothly", the objects studied in discrete mathematics (such as integers, graphs, and statements in logic) have distinct, separated values. This course presents material involving computation theory with a strong emphasis on practical algorithms and experiential learning. This course is designed to prepare for a background in abstraction, notation and critical thinking for the mathematics. Topics include: logic, basic set theory, countability and counting arguments, proof techniques, graph theory, combinatorics, discrete probability, matrices number theory and graph theory. This course is designed to prepare students to become math, computer science and engineering majors.

**Prerequisites:** Successful completion of Algebra II or Algebra II with lab, Teacher recommendation

**Grade level:** 11, 12

curves, dot products, and motion in the plane. Students will take the AP exam which could allow them to receive college credit. **\*Students may earn a weighted grade on the 5.0 scale for this course.**

**Prerequisites:** "B" or higher in Honors Trigonometry/Precalculus or

Trigonometry/Precalculus, Teacher recommendation

**Grade level:** 11, 12

## AP STATISTICS

0323 1 CREDIT



AP Statistics is a college level introductory course of the science of collecting, analyzing, and interpreting data. Students are expected to have above-average algebraic and reasoning skills. Topics include descriptive statistics, association and regression, causation and evidence, misleading statistics and bias in sample collection, probability, random variable and their distributions, distribution of sample means, confidence intervals for means and proportions, hypothesis tests of means and proportions in one sample, paired sample and two-sample t-tests, one-way analysis of variance, chi-square tests, and inference for slope in linear regression. These topics will be taught in conjunction with the TI-84 plus graphing calculator, Excel, and mini-tab, a statistical analysis program. Students will take the AP exam which could allow them to receive college credit. **\*Students may earn a weighted grade on the 5.0 scale for this course.**

**Prerequisites:** "B" or higher in Algebra II, Teacher recommendation

**Grade level:** 10, 11, 12

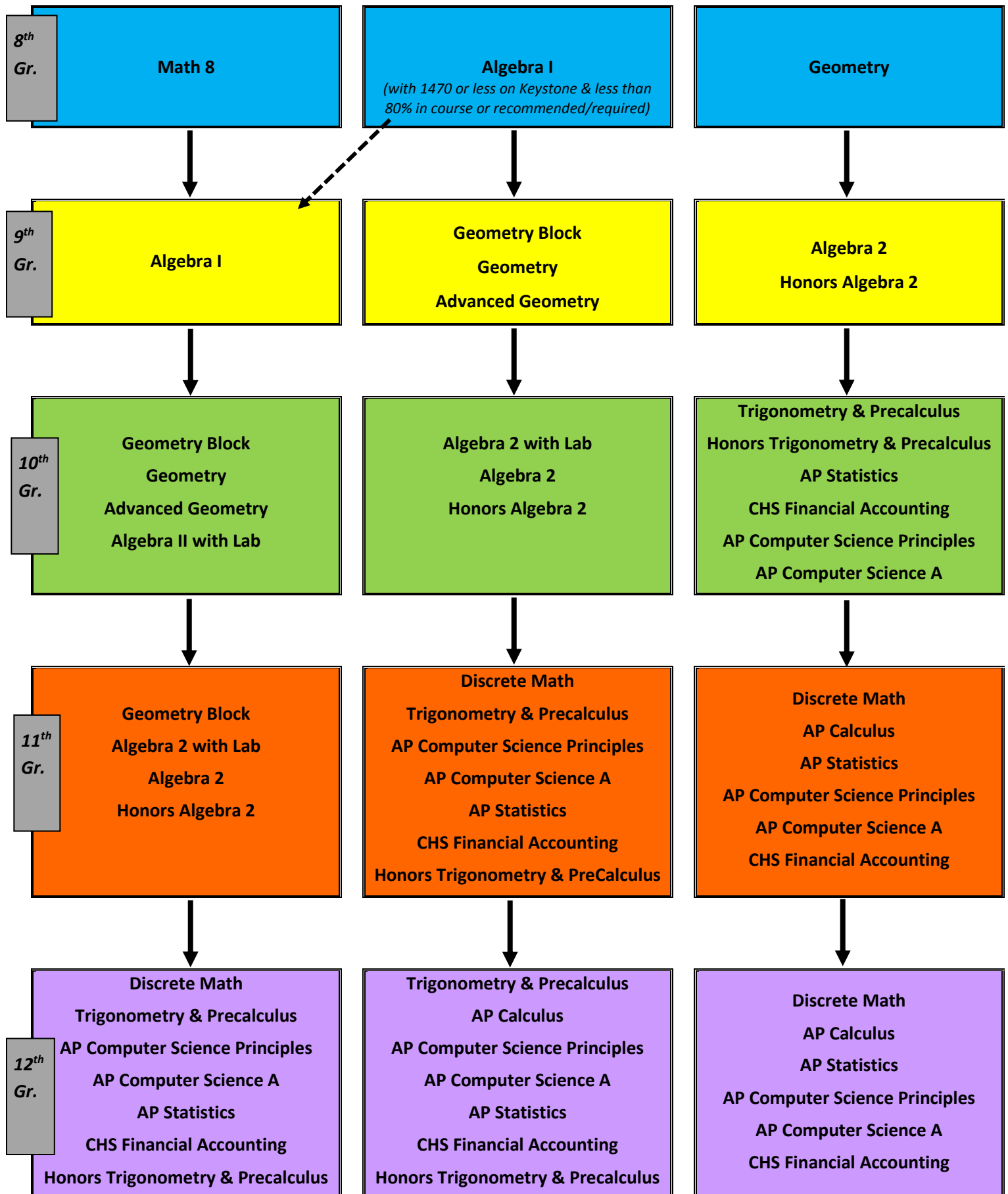
## AP CALCULUS AB

0322 1 CREDIT



AP Calculus AB is a college level course. Students are expected to have exemplary skills in algebraic reasoning, trigonometry, and precalculus concepts. Topics include representation of functions, exponential, inverse, trigonometric, and rational functions, logarithms, limits, differentiation techniques, velocity and growth rate, interpretation of the derivative and the second derivative, Newton's Method, linearization, optimization, numerical integrations, integration techniques using anti-differentiation and substitution, area measurements, vector operations, parametric

# WEST ALLEGHENY HIGH SCHOOL MATH SEQUENCE



# MEDIA ARTS

Everywhere you go you are surrounded by words and images. Together they make up the foundation of media arts. Visual media cover every medium that uses sight as a primary communication method. Print media refer to static messages (images and words). All print media are visual, but all visual media are not necessarily print.

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## INTRODUCTION TO MEDIA ARTS 0153 1 CREDIT

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Students enrolled in Media Arts will learn basic aspects in **Photography**, **Video Production**, **Journalism/Newspaper** and **Design**. They will learn to use SLR cameras, tape and solid state cameras, run a control room and write and research news articles. The majority of grading will be based on projects and out of class assignments. The students will be responsible for the operation and handling of equipment as well as completing assignments and projects.

*Grade level: 9, 10, 11, 12*

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## MEDIA ARTS II 0154 1 CREDIT

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Students enrolled in Media Arts II will choose two concentrations from: **Digital Photography**, **Video Production**, **Journalism/Newspaper** or **Design**.

**Digital Photography** students will learn advanced photographic techniques, studio and portrait shooting and elements of professional design.

**Video Production** students will learn post production techniques and editing techniques as well as filming live events.

**Journalism/Newspaper** students will learn beat writing and begin working with editing techniques. All students will write for the WA Legacy.

**Design** students will learn Photoshop techniques, streaming and design of print and visual media.

Grading will be project based and will be reflected from the publication of the newspaper, announcements, website and streams.

*Prerequisite: A "C" or higher in Introduction to Media Arts or teacher permission*

*Grade level: 10, 11, 12*

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## MEDIA ARTS III 0155 1 CREDIT

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Students enrolled in Media Arts III will choose two concentrations from: **Digital Photography**, **Video Production**, **Journalism/Newspaper** or **Design**.

**Digital Photography** students will learn advanced photographic techniques for both indoor and outdoor elements. They will learn lighting skills and elements of professional design.

**Video Production** Video Production students will learn preproduction, production and post-production techniques. They will enhance editing skills and filming techniques as well organize filming and broadcast of live events.

**Journalism/Newspaper** students will learn editing techniques and design skills and will work as editors of the WA Legacy.

**Design** students will learn Photoshop techniques, streaming and design of print and visual media.

Students will begin to construct a professional portfolio. Grading will be project based and will be

# MEDIA ARTS

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reflected from the publication of the newspaper, announcements, website and streams.

**Prerequisite:** A "B" or higher in Media Arts II or teacher permission

**Grade level:** 11, 12

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## BROADCAST JOURNALISM: WATV/MORNING ANNOUNCEMENTS

0162 1 CREDIT

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Students enrolled in Broadcast Journalism will learn two separated entities of Broadcast Journalism:

**Talent** students will work as newscasters, anchors and reporters. The students will be responsible for researching, writing and delivering the news stories. The majority of grading will be based on the broadcasts.

**Crew** students will work as the production crew for the broadcasts. The students will be responsible for camera work, lighting, audio and graphics. The majority of grading will be based on the broadcasts.

The students will not only be responsible for the WATV Morning Announcements but will also learn to do event commentary, reporting, interviewing and design a weekly soft news broadcast.

**Grade level:** 10, 11, 12

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## ACTING AND TECHNICAL THEATRE

0163 6 DAY 1 CREDIT  
0164 3 DAY .50 CREDIT

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Students enrolled in Acting & Technical Theater will learn two separated entities of Theater:

**Acting** Students will learn and hone their skills as an actor or actress. They will learn memorization techniques, blocking, characterization and much more. The majority of grading will be based on in-class performances and out-of-class performances.

**Technical Theater** Students will learn and hone their skills as a crew member. They will learn the functions of the sound board, light board and rigging system. They will also learn to build simple stage sets and props. The majority of grading will be based on in-class performances and out-of-class performances.

**Grade level:** 9, 10, 11, 12

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## ACTING AND TECHNICAL THEATRE II

0165 6 DAY 1 CREDIT  
0166 3 DAY .50 CREDIT

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Students enrolled in Acting & Technical Theater II will learn two separated entities of Theater:

**Acting** students will continue to hone their skills as an actor or actress. They will learn advanced characterization, how to express emotions on stage, critiquing elements and much more. The majority of grading will be based on in-class performances and out-of-class performances.

**Technical Theater** students will learn and hone their skills as a crew member. They will learn how to program the sound and light boards and how to build

# MEDIA ARTS

Everywhere you go you are surrounded by words and images. Together they make up the foundation of media arts. Visual media cover every medium that uses sight as a primary communication method. Print media refer to static messages (images and words). All print media are visual, but all visual media are not necessarily print.

complex stage sets and props. They will also learn costuming and makeup techniques. The majority of grading will be based on in-class performances and out-of-class performances.

**Grade level:** 10, 11, 12

## YEARBOOK I

0170 1 CREDIT



In this year-long course, students will develop yearbook journalism and design skills. Their primary job is to create The Alleghenian, the West Allegheny High School Yearbook. The fundamentals of yearbook journalism include coverage of the year's events, ethics, writing sports copy, writing creative captions, creating sidebars, digital photography, and proof copy. Integral to yearbook journalism is developing and carrying out a theme, both verbally and graphically, that suits West Allegheny High School. Those enrolled will be expected to meet deadlines, work in a business and workshop atmosphere, and be responsible for generating and budgeting revenue to ensure solvent finances.

**Grade level:** 9, 10, 11, 12

## YEARBOOK II

0171 1 CREDIT



In this year-long course, students will develop yearbook journalism and design skills. Their primary job is to create The Alleghenian, the West Allegheny High School Yearbook. The fundamentals of yearbook journalism include coverage of the year's events, ethics, writing sports copy, writing creative captions, creating sidebars, digital photography, and

proof copy. Integral to yearbook journalism is developing and carrying out a theme, both verbally and graphically, that suits West Allegheny High School. Those enrolled will be expected to meet deadlines, work in a business and workshop atmosphere, and be responsible for generating and budgeting revenue to ensure solvent finances. Students enrolled in this course will be expected to take on more responsibility for overall yearbook production. Some will be assigned to editor positions.

**Prerequisite:** A "B" average in Journalism/Yearbook I

**Grade level:** 10, 11, 12

## YEARBOOK III

0172 1 CREDIT



In this year-long course, students will develop yearbook journalism and design skills. Their primary job is to create The Alleghenian, the West Allegheny High School Yearbook. The fundamentals of yearbook journalism include coverage of the year's events, ethics, writing sports copy, writing creative captions, creating sidebars, digital photography, and proof copy. Integral to yearbook journalism is developing and carrying out a theme, both verbally and graphically, that suits West Allegheny High School. Those enrolled will be expected to meet deadlines, work in a business and workshop atmosphere, and be responsible for generating and budgeting revenue to ensure solvent finances. Students enrolled in this course will be expected to take on more responsibility for overall yearbook production. All students enrolled will be assigned an editor position and input on the overall design of the yearbook.

**Prerequisite:** A "B" average in Journalism/Yearbook II

**Grade level:** 11, 12

# MUSIC

Students may elect to take coursework in vocal, instrumental, technical and theoretical areas of music. These classes are focused on providing performance opportunities, continuing to develop skills and concepts and the acquisition of new concepts and techniques. Advanced opportunities may be available for more established musicians.

**BAND I** 0750 6 DAY 1 CREDIT

**BAND I** 0751 3 DAY .50 CREDIT

**BAND II** 0753 6 DAY 1 CREDIT

**BAND II** 0754 3 DAY .50 CREDIT

**BAND III** 0756 6 DAY 1 CREDIT

**BAND III** 0757 3 DAY .50 CREDIT



A member of any of the band classes will have the opportunity to develop a sophisticated musical background through the academic study and performance of instrumental music. Emphasis is placed upon developing basic musicianship skills as well as advanced musicality and expression in many styles of music. While the concert band class during the school day is the core of the high school instrumental program, additional opportunities also exist for learning and performance through Marching Band, Jazz Ensemble, Percussion Ensemble, Small Ensembles, honors bands and enrichment activities.



**Prerequisites:** Placement in Band III is by audition and director permission ONLY.

**Grade level:** 9, 10, 11, 12

**JAZZ STUDIES: VOCAL** 762 6 DAY 1 CREDIT

**JAZZ STUDIES: VOCAL** 763 3 DAY .50 CREDIT

**JAZZ STUDIES: INSTRUMENTAL**

764 6 DAY 1 CREDIT

**JAZZ STUDIES: INSTRUMENTAL**

765 3 DAY .50 CREDIT



The *Jazz Studies* class provides a more specific opportunity for intense study, acceleration and enhancement for interested students to study jazz. The class will study performance styles, improvisation, theory and history through traditional methodology and current technologies. Students will be expected to improvise using appropriate scales and basic understanding of chord structures. ❖

**Prerequisite:** Must have band instrument experience or perform a vocal audition.

**Grade level:** 9, 10, 11, 12

❖ Participation in practices and performances including, but not limited to, dress rehearsals, concerts, festivals, and adjudication performances outside of the regular school day is **REQUIRED AND MANDATORY** as an integral part of achieving the goals of these courses.

# MUSIC

Students may elect to take coursework in vocal, instrumental, technical and theoretical areas of music. These classes are focused on providing performance opportunities, continuing to develop skills and concepts and the acquisition of new concepts and techniques. Advanced opportunities may be available for more established musicians.

**BEGINNING PIANO** 0767 6 DAY 1 CREDIT

**BEGINNING PIANO** 0768 3 DAY .50 CREDIT



This course will teach the basics of piano including note reading, music theory and piano skills. Students will learn how to play the piano in a music lab equipped with keyboards and computers. Students will be required to practice songs/repertoire for a grade and participate in monthly piano recitals. Online piano methods like Piano Marvel and Playground Piano will be used to supplement in class materials. This class is open to piano players of all ability. No prior experience is required.

*Grade level: 9, 10, 11, 12*

**BEGINNING GUITAR** 0769 6 DAY 1 CREDIT

**BEGINNING GUITAR** 0770 3 DAY .50 CREDIT



This course will teach the basics of guitar including note reading, tab reading, music theory and guitar skills. Students will learn how to play the guitar using different techniques, possibly including things like “chordbuddy” and “rocksmith”. Students will be required to practice songs/repertoire for a grade and perform for/with the other students in the class. This class is open to any student who wishes to learn to play the guitar, and is meant for beginners. No prior experience is required.

*Grade level: 9, 10, 11, 12*

**CHORUS I** 0780 6 DAY 1 CREDIT

**CHORUS I** 0781 3 DAY .50 CREDIT

*Grade level: 9*

**CHORUS II** 0783 6 DAY 1 CREDIT

**CHORUS II** 0784 3 DAY .50 CREDIT

*Grade level: 10, 11, 12*



Three large choral ensembles are organized, consisting of Chorus I for grade 9 (Freshman Chorus), Chorus II (comprised of students in grades 10-12) and Chorus III (students in grades 10-12 selected by audition). Students enrolled in each chorus class will perform quality choral repertoire with an emphasis on developing comprehensive music reading and vocal technique skills. ❖

❖ *Participation in practices and performances including, but not limited to, dress rehearsals, concerts, festivals, and adjudication performances outside of the regular school day is **REQUIRED AND MANDATORY** as an integral part of achieving the goals of these courses.*

# MUSIC

Students may elect to take coursework in vocal, instrumental, technical and theoretical areas of music. These classes are focused on providing performance opportunities, continuing to develop skills and concepts and the acquisition of new concepts and techniques. Advanced opportunities may be available for more established musicians.

## CHORUS III

0786 6 DAY 1 CREDIT

## CHORUS III

0787 3 DAY .50 CREDIT



Students enrolled in Chorus III will study advanced choral repertoire requiring a high level of vocal technique. ❖

**Prerequisite:** Placement in Chorus III is by audition and director permission ONLY.

**Grade level:** 11, 12

## CONCERT CHORALE

0789 1 CREDIT



This class is a natural outgrowth of the choral program. It is an advanced singing group for students who demonstrate a desire to present a different style of musical expression than a large chorus.

The style of music performed by this ensemble will be, but not limited to, as follows: madrigals, chants, chorale, carols, ballads, spirituals, folk songs, patriotic songs, jazz, improvisation and pop.

This ensemble demands a greater degree of performance requirements. Because the ensemble will be limited to 30 students, this group can perform in places where a normal chorus of 60-80 members could not.

A student in this ensemble **must** continue to be a member of Chorus I, II, or III. ❖

**Prerequisite:** Placement in Concert Chorale is by audition and director permission ONLY. The Choral Director will schedule auditions.

**Grade level:** 9, 10, 11, 12

❖ Participation in practices and performances including, but not limited to, dress rehearsals, concerts, festivals, and adjudication performances outside of the regular school day is **REQUIRED AND MANDATORY** as an integral part of achieving the goals of these courses.

# MUSIC

Students may elect to take coursework in vocal, instrumental, technical and theoretical areas of music. These classes are focused on providing performance opportunities, continuing to develop skills and concepts and the acquisition of new concepts and techniques. Advanced opportunities may be available for more established musicians.

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## MUSIC COMPOSITION

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0790 1 CREDIT



A student enrolled in this class will have the opportunity to study the fundamentals of music theory applied to arranging existing music for different contexts as well as original composition. Areas of music theory to be covered include melody, harmony, rhythm, articulation, dynamics, texture and form as well as orchestration and arranging for instruments and voices. Students with an interest in any aspect of music as a career, a college minor, in church music or as a serious avocation beyond high school should consider enrolling for this course.

**Prerequisite:** A background in music reading, and performance skills in instrumental music, chorus, guitar or piano

**Grade level:** 10, 11, 12

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## INTRODUCTION TO MUSICAL THEATRE

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0791 6 DAY 1 CREDIT

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## INTRODUCTION TO MUSICAL THEATRE

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0792 3 DAY .50 CREDIT



This course will include a broad overview of the arts discipline of musical theatre, focusing on elements, techniques and appreciation. The content units addressed will include experiences with acting concepts and techniques as well as singing and movement inherent to musical theatre, the history of drama and musical theatre, technical theatre components such as lighting, sound and set, and theatre production components such as make-up and wardrobe. This course will also provide an

academic foundation for those students who choose to participate in the PHSSL, fall play or spring musical extracurricular theatre programs. No previous theatre related experiences are required.

**Grade level:** 9, 10, 11, 12

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## MUSICAL THEATRE PRODUCTION

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793 6 DAY 1 CREDIT

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## MUSICAL THEATRE PRODUCTION

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794 3 DAY .50 CREDIT



This course will continue skills and concepts learned in Introduction to Musical Theatre. Students will continue to study acting, singing & movement concepts and techniques, as well as the history of musical theatre. Students will gain experiences as directors and choreographers. Students will be required to participate in some aspect of the Spring Musical extracurricular theatre program and in a year-end evening class performance. Field trips to performances and workshops will highlight these studies.

**Grade level:** 10, 11, 12

❖ *Participation in practices and performances including, but not limited to, dress rehearsals, concerts, festivals, and adjudication performances outside of the regular school day is **REQUIRED AND MANDATORY** as an integral part of achieving the goals of these courses.*

# MUSIC

Students may elect to take coursework in vocal, instrumental, technical and theoretical areas of music. These classes are focused on providing performance opportunities, continuing to develop skills and concepts and the acquisition of new concepts and techniques. Advanced opportunities may be available for more established musicians.

**MUSIC TECHNOLOGY I**      0795 6 DAY 1 CREDIT

**MUSIC TECHNOLOGY I**      0796 3 DAY .50 CREDIT



This course will focus on a variety of music technology experiences, including sequencing, recording, sampling, sound design, composition and basic music notation. Students will explore music software such as GarageBand, Finale, Reason and Logic among others. Students will learn basic components of recording and have hands on experiences using audio and digital recording equipment. Music reading experience is recommended but not required.

**Grade level:** 10, 11, 12

**MUSIC TECHNOLOGY II**      0797 6 DAY 1 CREDIT

**MUSIC TECHNOLOGY II**      0798 3 DAY .50 CREDIT



This course will continue skills and concepts learned in Introduction to Music Technology. Students will continue to study editing and recording techniques in ProTools, focusing on the use of compression, EQ and other effects. Student will also complete units in acoustics, recording drums/guitars/voice and room modification. A field trip to local studios will highlight this study. Students will also be working in other audio programs such as Logic, Reason and Ableton live creating projects and learning sequencing/editing techniques. Students will be expected to actively participate in the recording, engineering and editing of live performances throughout the year. This course is open to students who have completed Music Technology I or equivalent.

**Prerequisite:** Completion of Music Technology I with a "C" or higher or instructor permission

**Grade level:** 11, 12

❖ Participation in practices and performances including, but not limited to, dress rehearsals, concerts, festivals, and adjudication performances outside of the regular school day is **REQUIRED AND MANDATORY** as an integral part of achieving the goals of these courses.

# PHYSICAL EDUCATION AND HEALTH

Physical Education is required each year at the high school level and must be successfully completed in order to meet state and district graduation requirements. Students who do not successfully complete any year of Physical Education or Health will be scheduled for the next grade level plus a repeat course. Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.

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## PHYSICAL EDUCATION 9

0800 .25 CREDIT

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Physical Education courses are designed to provide students with instruction and experience in a wide variety of individual and team physical activities. Emphasis is placed on attaining skills and knowledge necessary to pursue a health enhancing level of physical fitness as an adult. This will be facilitated through an emphasis on the development of positive self-image, leadership, teamwork, and cooperation with others, and other skills necessary for transferring class experiences to life-long participation in athletic and leisure-time recreational activities.

The ninth grade program is focused mainly on fitness-based physical activity. Units include but are not limited to: fitness training and testing, aquatics (stroke development and conditioning swim), cardio sports, weight training and dance.

*This course meets three days per rotation for one semester and is required for all freshmen. Health and Wellness 9 will be scheduled during the same three days during the opposite semester.*

**Grade level: 9**

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## HEALTH AND WELLNESS 9

0801 .25 CREDIT

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This course is required of all ninth grade students. It will provide information, instruction and experiences that will enable the students to gain the basic

knowledge and essential skills and attitudes they will need to be successful in high school and beyond. Components of the course will include: communicating effectively, assessing and evaluating individual health/wellness, goal setting, coping with loss, stress management, suicide prevention, physical fitness, healthy relationships and abstinence, sex education, and sexually transmitted disease education. This course emphasizes intelligent decision-making and the need to be responsible for one's actions and one's health and well-being. Concepts are also reinforced through an open mind-set approach to learning.

*This course meets three days per rotation for one semester and is required for all freshmen. Physical Education 9 will be scheduled during the same three days during the opposite semester.*

**Grade level: 9**

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## PHYSICAL EDUCATION 10

0802 .25 CREDIT

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Physical Education courses are designed to provide students with instruction and experience in a wide variety of individual and team physical activities. Emphasis is placed on attaining skills and knowledge necessary to pursue a health enhancing level of physical fitness as an adult. This will be facilitated through an emphasis on the development of positive self-image, leadership, teamwork, and cooperation with others, and other skills necessary for transferring class experiences to life-long participation in athletic and leisure-time recreational activities.

The tenth grade program is focused mainly on fitness-based physical activity, as well as team, individual and dual sport offerings. Units include but

# PHYSICAL EDUCATION AND HEALTH

Physical Education is required each year at the high school level and must be successfully completed in order to meet state and district graduation requirements. Students who do not successfully complete any year of Physical Education or Health will be scheduled for the next grade level plus a repeat course. Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.

are not limited to: fitness training and testing, aquatics, cardio sports, team sports, individual and dual sport.

*This course meets three days per rotation for one semester and is required for all sophomores. Health Education 10 will be scheduled during the same three days during the opposite semester.*

**Grade level: 10**

## HEALTH EDUCATION 10

0803 .25 CREDIT



Health 10 is a semester course for all tenth grade students and is a requirement for graduation. It is designed to provide students with a basic framework of knowledge necessary to develop positive attitudes and practices. Units of study will include, but are not limited to: nutrition, eating disorders, understanding drug use and addiction (recreational & prescription), preventing violence and abuse, preventing infectious diseases, and first aid and CPR. This course will make use of a combination of lectures, power point presentations, class discussion, student oral presentations, guest speakers, student activities and a life issues research paper.

*This course meets three days per rotation for one semester and is required for all sophomores. Physical Education 10 will be scheduled during the same three days during the opposite semester.*

**Grade level: 10**

## TEAM SPORTS

0804 .50 CREDIT



This class is designed for the highly competitive student that enjoys high energy and high intensity games and activities. Students in this class should be able to work well as part of a team in a highly competitive setting. This class will place an emphasis on several different types of sports including basketball, touch football, ultimate Frisbee, soccer, softball, team handball, speed ball, wall ball, and various others.

**Grade level: 11, 12**

## PERSONAL FITNESS AND SPORT

0805 .50 CREDIT



The purpose of this course is to motivate students to achieve lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course. Personal fitness units in this course include, but are not limited to; Zumba, Yoga, Pilates, P90X, aerobics, and power walking and jogging. This course will also include fitness game activities (e.g. wall ball and scooter games).

**Grade level: 11, 12**

# PHYSICAL EDUCATION AND HEALTH

Physical Education is required each year at the high school level and must be successfully completed in order to meet state and district graduation requirements. Students who do not successfully complete any year of Physical Education or Health will be scheduled for the next grade level plus a repeat course. Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.

## GAMES AND LEISURE ACTIVITIES 0806 .50 CREDIT



This course is designed for less competitive students that still enjoy high energy games and activities. Students in this class will need to be able to work well as part of a team in a competitive setting. This class will place an emphasis on several different types of sports and games including, but not limited to; wall ball, scooter activities, kickball, wacky bat, badminton, pickle ball, indoor hockey and various others.

*Grade level: 11, 12*

## AEROBIC FITNESS 0807 .50 CREDIT



Aerobic Fitness is designed to offer low impact and low intensity exercises for the purpose of improving aerobic fitness and cardiovascular endurance. The course focuses on the five components of health-related fitness and will include activities that enhance the student's ability to improve in each area. Activities in this course include, but are not limited to; walking, riding a recumbent bike, low-impact aerobic activities, and activities to improve muscular strength and flexibility.

*Grade level: 11, 12*

## INTRODUCTION TO COACHING 0808 .50 CREDIT



*An Introduction to Coaching* provides students with an accessible and engaging guide to the scientific, social scientific, medical and pedagogical theory that underlies the practice of quality sports coaching. Students enrolled in this course will learn the fundamental tools necessary to become a coach as well as the challenges and obstacles that coaches face. Students will gain a better understanding of youth and scholastic sports. Students enrolled in this course will complete a CPR/AED/First Aid training that is aligned with the American Red Cross guidelines, as well as training that enables them to recognize the signs and symptoms of concussions and sudden cardiac arrest among athletes and players.

*Grade level: 11, 12*

## BECOMING A FITNESS PROFESSIONAL 0809 .50 CREDIT



This course offers students the ability to learn about various fitness and health related careers and what opportunities are available to them as working professionals. This course will give an in-depth look at the training, education, and personal and professional goals necessary to working in the health and fitness field. Career exploration of health and physical education, athletic training, personal

# PHYSICAL EDUCATION AND HEALTH

Physical Education is required each year at the high school level and must be successfully completed in order to meet state and district graduation requirements. Students who do not successfully complete any year of Physical Education or Health will be scheduled for the next grade level plus a repeat course. Students in 11<sup>th</sup> and 12<sup>th</sup> grade may apply to have up to 1.00 credit of Physical Education waived with principal approval in the event of a schedule conflict and/or extenuating circumstances.

training, physical therapy, fitness coach, and athletic director will be studied. Students enrolled in this course will also complete a CPR/AED/First Aid training that is aligned with the American Red Cross guidelines.

*Grade level: 11, 12*

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## PHYSICAL CONDITIONING

0820 1 CREDIT



Through the facilitation of the curriculum, students are provided opportunities to fully learn, comprehend, display, and challenge the many physical and mental benefits of a well-rounded and coached Physical Conditioning program.

This class encompasses small to large group training ranging from broad generalized needs down to specific individual areas of improvement. The way in which this program is delivered promotes accountability through an aggressive approach to education. Students are encouraged and empowered to challenge themselves creating a very supportive and motivating atmosphere.

Classes are calculated and developmental in nature proving that an intense approach to health and wellness can lead to a higher standard of fitness in high school students. Daily classes focus on strength, speed, aerobic and anaerobic fitness, flexibility, mobility, and suppleness. Students can expect to learn proper weight training exercises, techniques for moving their body efficiently and explosively, plus various forms of conditioning protocols. These modes of physical conditioning

deliver different intentional stressors to the body where the student is required to adapt and overcome.

Due to the active involvement of students in this course, and that many of them are committed to junior varsity and varsity programs for four years; physical conditioning can be taken every academic year as long as the student maintains a minimum grade of an 85% each academic year in this course.

*Grade level: 9, 10, 11, 12*

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## EXERCISE SCIENCE

0831 1 CREDIT



This course provides an overview of exercise science theory and principles and an examination of the physiological responses to both acute and chronic physical activity. The impact of environment, supplements, detraining and overtraining on physiological responses to exercise will also be highlighted. Various techniques utilized to assess physiological responses to exercise will also be discussed. The course will also highlight the exploration of therapeutic careers, medical terminology, sports nutrition, sports psychology, injuries and injury prevention and the performance enhancement philosophies.

***Prerequisites:** "B" grade or higher in both Health and Wellness 9 and Health Education 10*

*Grade level: 11, 12*

❖ **This course may count toward a student's fourth science credit.**

# SCIENCE

The West Allegheny High School Science curriculum offers students a variety of opportunities for learning and exploration in the areas of earth and space science, biology, chemistry and physics. Additionally, several electives and advanced courses are available to students with strong interest in the sciences and a desire to prepare for a career in a science or science-related career or course of study following graduation.

## BIOLOGY WITH LAB

0402 1.50 CREDIT



Biology, the study of life, distinguishes living organisms from the nonliving by focusing on the common characteristics of life. There is a focus of study in the following areas: Scientific Processes, Tools and Technologies, Cellular Structure and Function, Biochemical Organization, Genetics, Heredity, Evolution, Ecology, and Human Biology.

**Grade level: 9**

## HONORS BIOLOGY WITH LAB

0403 1.50 CREDIT



Biology, the study of life, distinguishes living organisms from the nonliving by focusing on the common characteristics of life. There is a focus of study in the following areas: Scientific Processes, Tools and Technologies, Cellular Structure and Function, Biochemical Organization, Genetics, Heredity, Evolution, Ecology, and Human Biology. This is a challenging, fast paced, in-depth course with extensive labs and major term projects geared towards very high level 9<sup>th</sup> grade students. *\*Students may earn a weighted grade on the 4.5 scale for this course.*

**Prerequisites:** A 90% average through all grading periods in 8<sup>th</sup> grade science AND teacher recommendation.

**Grade level: 9**

## CONCEPTUAL CHEMISTRY

0404 1 CREDIT



The course centers on chemistry related technological issues confronting society and the world. Major chemistry concepts, basic vocabulary and laboratory skills are presented. The course serves as a terminal chemistry course to meet science requirements for the general college bound student. A conceptual framework will be provided for modern chemistry and students will gain experience and appreciation of chemistry through experimentation and inquiry. Labs will involve quality and less quantity and a reduction in complexity of mathematics. Students will participate in projects that will develop the following skills: writing, critical thinking, technology usage, research, time management, labs, lab reports, and presentation skills.

**Grade level: 10, 11**

## HONORS CHEMISTRY WITH LAB

0405 1.50 CREDIT



In this course, the student is introduced to the methods and contents of the fundamentals of chemistry. Concepts introduced in the classroom are explored in the lab as basic lab skills are developed. The course meets the needs of those required to take a first year college chemistry course. *\*Students may earn a weighted grade on the 4.5 scale for this course.*

**Prerequisites:** Students must have completed Algebra I AND Biology I or Honors Biology with an 85% or higher

**Grade level: 10, 11**

# SCIENCE

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## CONCEPTUAL PHYSICS

0406 1 CREDIT



This course deals with the concepts of basic physics by using equations, tables, graphs, and labs. Areas of discussion include measurement, motion, force, velocity, acceleration, momentum, impulse, work, energy, power, and heat.

**Grade level:** 11, 12

## PHYSICS

0407 1 CREDIT



Physics is a college preparatory course that enables students to experience science through a hands on approach which requires them to think critically, apply math skills, collaborate with those around them, and communicate their answers using evidence. Topics that will be discussed in this course are as follows: Scientific Thinking & Reasoning, Kinematics, Dynamics (Newton's Laws), Energy, Momentum, Rotational Motion, and Wave Mechanics.

**Corequisite:** Concurrently in Algebra II or higher

**Grade level:** 11, 12

## FORENSIC SCIENCE

0408 1 CREDIT



Forensic science is one of the fastest growing fields in the country and is a vital part of the criminal justice

system. The course will consist of 8-10 case studies incorporating the application of biology, chemistry, physics, and math into criminal investigation. Through lectures and laboratory experiments, students will learn the skills used by forensic scientists for solving crimes. The course is primarily designed as a project based course that focuses on the development of logical thinking skills and problem solving procedures through the collection and analysis of data. Some of the topics to be included are: specimen collections, glass and soil analysis, analyses of DNA, fingerprints, hair & fibers, documents, simulated blood splatter, simulated drugs and poisons, cyber-crime and murder mystery scenarios.

**Grade level:** 11, 12

## ANATOMY AND PHYSIOLOGY

0409 1 CREDIT



This is a fast paced, in depth course which studies specific areas of biological sciences, including anatomy, physiology, genetics, microbiology, and microecology. Individual dissection and lab work are required. This course is designed for those students having a high interest in the biological sciences who want to pursue a career in the medical, nursing or physical therapy fields. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisites:** Students must have passed Honors Biology **OR** Biology with a "B" or higher **AND** Honors Chemistry with a "C" or higher **OR** Conceptual Chemistry with an "A" **AND** have a score in the Proficient or Advanced range on the Keystone Biology Exam.

If an interested student does not have the above prerequisites, he/she must have prior approval of a Biology teacher before enrolling in this course.

**Grade level:** 11, 12

# SCIENCE

The West Allegheny High School Science curriculum offers students a variety of opportunities for learning and exploration in the areas of earth and space science, biology, chemistry and physics. Additionally, several electives and advanced courses are available to students with strong interest in the sciences and a desire to prepare for a career in a science or science-related career or course of study following graduation.

## AP BIOLOGY

0410 1.50 CREDIT



This course is a high level biology course designed to prepare students for the AP Biology Exam in May, which could allow them to receive college credit. This course is very rigorous and will place heavy demands on students. Instruction will be fast paced and encompass extensive biological content. Students will be expected to complete many self-guided laboratory investigations. The topics of emphasis will include biological principles, biochemistry, cell biology, bioenergetics, genetics, evolution, ecology, and organismal biology. This course is designed to be taken by students after the successful completion of Honors Biology and Honors Chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisites:** *Students must have passed Honors Biology AND Honors Chemistry with a "B" or higher AND have prior teacher permission*

**Corequisite:** *Students in 10<sup>th</sup> grade must be enrolled in Honors Chemistry concurrently*

**Grade level:** 10\*, 11, 12

**NOTE: This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.**

## AP CHEMISTRY

0411 1.50 CREDIT



This is a rigorous chemistry class, designed to be the equivalent of the general chemistry course usually taken during the first year of college. Through a variety of lesson formats and assignments, students will have the opportunity to develop their problem solving skills, laboratory techniques, and written and verbal communication skills. Students will take the AP exam which could allow them to receive college credit. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisite:** *"A" or higher in Honors Chemistry or approval from a chemistry teacher*

**Grade level:** 11, 12

**NOTE: This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.**

## AP PHYSICS 1

0412 1.50 CREDIT



AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. Students will develop deep conceptual understandings about Kinematics, Dynamics (Newton's Laws), Rotational Dynamics, Conservation of Energy, Momentum, Mechanical Waves, Sound, and Circuits. Having a deep understanding of physics principles implies the ability to reason about physical phenomena using science process skills such as explaining causal

# SCIENCE

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relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data, and making connections across multiple topics in the course. Students seeking to major in engineering, science, or any STEM related fields in college are strongly encouraged to enroll.

This course is designed to prepare students for the AP Physics 1 Exam in May, which could allow them to receive college credit. This course is rigorous and will place heavy demands on students in terms of intellectual hurdles and personal time management. AP Physics 1 will challenge students and demand that they think and learn in ways that they may previously never have experienced. This course relies heavily on students' math and algebra skills.

It is highly recommended that students successfully complete Honors Chemistry & Lab before enrolling. Students choosing to bypass Honors Chemistry & Lab must sign a waiver to enroll. **\*Students may earn a weighted grade on the 5.0 scale for this course.**

**Prerequisites:** "C" or higher in both Algebra I and Geometry and Honors Chemistry/Chemistry teacher recommendation.

**Highly Recommended:** "C" or higher in Honors Chemistry & Lab

**Corequisite:** Algebra II or higher

**Grade level:** 10, 11, 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

continuation of AP Physics 1. The course is designed to further help students construct enduring understanding(s) of content, develop/improve problem solving skills, sharpen math skills, cultivate data collection and analysis skills, and apply acquired knowledge to solve complex AP-level problems. Students will develop conceptual understandings about Fluid Mechanics; Thermodynamics; Electricity and Magnetism; Optics; Atomic and Nuclear Physics; General Relativity; and other major topics from AP Physics 1. Students seeking to major in engineering, science, or any STEM related fields in college are strongly encouraged to enroll.

This course is designed to prepare students for the AP Physics 2 Exam in May, which could allow them to receive college credit. This course is rigorous and will place heavy demands on students in terms of intellectual hurdles and personal time management. Successful completion of AP Physics 1 or Physics (or an equivalent course from another high school) is a non-negotiable prerequisite. **\*Students may earn a weighted grade on the 5.0 scale for this course.**

**Prerequisite:** "C" or higher in AP Physics 1 or "B" or higher in Physics and teacher permission

**Grade level:** 11, 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

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## AP PHYSICS 2

0413 1.50 CREDIT

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AP Physics 2 is equivalent to a second-semester college course in algebra-based physics and is a

# SCIENCE

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## PROJECT LEAD THE WAY (PLTW) BIOMEDICAL SCIENCES CURRICULUM

The PLTW Biomedical Sciences (BMS) Program is a sequence of courses, all aligned with appropriate national learning standards, which follows a proven hands-on, real-world problem-solving approach to learning. Students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities, like dissecting a heart, students examine the processes, structures and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology.

### PRINCIPLES OF THE BIOMEDICAL SCIENCES 0422 1 CREDIT



Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictitious person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and

projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisites:** An 80% in Honors Biology & Lab OR a 90% in Biology I & Lab AND teacher recommendation.

**Grade level:** 10, 11, 12

### HUMAN BODY SYSTEMS 0423 1 CREDIT



Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This is an activity-based course and has little lecture and passive learning. The emphasis is on student participation and effort in activities, projects, and labs. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisites:** Completion of Principles of the Biomedical Sciences with a "C" or better, a score in the Proficient or Advanced range on the Keystone Biology Exam, AND teacher recommendation.

**Grade level:** 11, 12

# SCIENCE

The West Allegheny High School Science curriculum offers students a variety of opportunities for learning and exploration in the areas of earth and space science, biology, chemistry and physics. Additionally, several electives and advanced courses are available to students with strong interest in the sciences and a desire to prepare for a career in a science or science-related career or course of study following graduation.

## MEDICAL INTERVENTIONS

0424 1 CREDIT



Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. **\*Students may earn a weighted grade on the 5.0 scale for this course.**

**Prerequisites:** Completion of Human Body Systems with a “C” or better OR completion of Principles of the Biomedical Sciences with an 85% (if taken concurrently with Human Body Systems), a score in the Proficient or Advanced range on the Keystone Biology Exam, AND teacher recommendation.

**Grade level:** 11, 12

# SOCIAL STUDIES

The West Allegheny Social Studies Curriculum offers students a variety of opportunities for learning. History, culture, social science, economics, geography, law, and government are presented across the curriculum.

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## U.S. HISTORY

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0210 1 CREDIT



This course examines the major turning points in American history beginning with the events leading up to the changing nature of business and government, World War I, the Great Depression, World War II, the growth of the U.S. as a world power, the Cold War, the struggle to achieve class, ethnic and gender equality as well as extending to the modern day. Contemporary world issues such as globalization, economic interdependence and terrorism will also factor into our analysis of international conflict and cooperation. Current events are integrated into the curriculum on a daily basis so that students may see modern connections between *then and now*. Current events are an important way to enhance your understanding of history and make you a more civic-minded and conscientious citizen.

**Grade level: 9**

traditional United States history course. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisite:** A 90% or higher average through all grading periods in 8<sup>th</sup> grade social studies

**Grade level: 9**

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## U.S. HISTORY 9

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0212 1 CREDIT



This course is designed to acquaint the young American with his/her heritage from the past as it relates to the present. Emphasis is given to the period from the beginning of the 20th century to the present with topics covering the important changes that have occurred in areas of politics, economics, foreign affairs, and culture in the United States during the early years. In addition to the course curriculum for U.S. History [210], this course will provide additional reading support and study skills for each student. The main goal is to teach the content at a pace in which the students can attain and perform academic achievement.

**Grade level: 9**

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## HONORS U.S. HISTORY

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0211 1 CREDIT



Honors United States History is an academically demanding course of American History and economy. A high level of reading comprehension, independent study, and study skills is required to master areas of debate, analysis, problem solving, and essay development. Students will be required to read novels and make presentations, including one 10 minute peer teaching assignment, throughout the course. This course will be taught at a higher level than the

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## AMERICAN GOVERNMENT

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0230 1 CREDIT



A course of American government and economy. This course contains units on national, state and local governments, our political system, and our free enterprise economic system. Students attain knowledge, skills and attitudes, which will enable them to be active, responsible citizens.

**Grade level: 10, 11**

# SOCIAL STUDIES

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## HONORS AMERICAN GOVERNMENT

0231 1 CREDIT

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An academically demanding course of American government and economy. This course contains units on national, state and local governments, our political system, and our free enterprise economic system. A high level of reading comprehension, independent study and study skills is required to master areas of debate, analysis, problem solving and essay development. Students will be selected by teacher recommendation, reading skills and test scores.

*\*Students may earn a weighted grade on the 4.5 scale for this course.*

**Prerequisite:** A 90% or higher in the previous year's social studies course

**Grade level:** 10, 11

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## AP UNITED STATES GOVERNMENT AND POLITICS

0232 1 CREDIT

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Advanced Placement United States Government and Politics is an intensive study of the major institutions of our national government as well as the foundations and beliefs upon which that government is based. A thorough analysis of our political parties will serve as an integral part of that study. Prospective students will have the opportunity to evaluate the role of the mass media in our society as it relates to the day to day functioning of the government as well as the protections of our civil right and liberties guaranteed by the constitution. Students will take the AP exam which could allow them to receive college credit. No

summer work is required for this course. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisite:** A 90% or higher in all previous social studies courses

**Grade level:** 10, 11, 12

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## AP UNITED STATES HISTORY (WAVA ONLY)

V237 1 CREDIT

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This online course is designed to provide learners with the opportunity to think critically and gain factual knowledge about US History. Students will learn to analyze and critique historical materials and evaluate historical interpretations presented in research. Each unit provides students with a survey of US history topics in which they analyze problems and themes for each era through supplementary readings while developing and deepening their understanding of events, people and places relevant during the time period. This course is meant to have students think conceptually about the issues facing the United States and how those issues have influenced history. End of unit activities contain either a Document Based Question (DBQ) or a Free-Response question for students to respond to in essay format. Most of these questions are taken from previous AP US History exam questions, to help students prepare for the AP US History exam. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisite:** A 90% or higher in all previous social studies courses

**Grade level:** 10, 11, 12

# SOCIAL STUDIES

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## AP WORLD HISTORY

0238 1 CREDIT



The AP World History course focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past.

The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. \*Students may earn a weighted grade on the 5.0 scale for this course.

**Prerequisite:** A 90% or higher in all previous social studies courses

**Grade level:** 11, 12

## AP PSYCHOLOGY

0240 1 CREDIT



The Advanced Placement Psychology program offers a course and an exam in psychology to qualified students who wish to complete studies in secondary school. This course is designed to be equivalent to an introductory college course in psychology. Advanced reading and critical thinking skills are required. Students are introduced to the behavior and mental processes of human beings and other animals. Students are also exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Requirements for the class include, but are not limited to, the following; research projects, presentations, essays, analysis projects. Assessments are mirrored after the AP Exam which include essay and multiple choice questioning for formal assessments. A strong emphasis on non-fiction text is part of this course. Students will take the AP exam which could allow them the opportunity to receive college credit. Summer course is offered as a way to get ahead for the upcoming school year. \*Students may earn a weighted grade on the 5.0 scale for this course.

**Prerequisite:** A 90% or higher in all previous social studies courses

**Grade level:** 11, 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

# SOCIAL STUDIES

The West Allegheny Social Studies Curriculum offers students a variety of opportunities for learning. History, culture, social science, economics, geography, law, and government are presented across the curriculum.

## AP ECONOMICS

0242 1 CREDIT



This course teaches Microeconomics and Macroeconomics using an AP approved course outline with the most commonly used college textbook. The course is taught with a “college with training wheels” approach. Students will be expected to develop critical thinking skills through the understanding, application and analysis of fundamental economic concepts. Students will apply quantitative and mathematical skills to a wide variety of real-world and hypothetical situations. Economics courses are typically a basic requirement for a college undergraduate degree. Students will take the AP exam which could allow them to receive college credit. At a minimum, the student will enter college with a strong economics foundation. No summer work is required for this course. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisites:** *Must be in at least Algebra II and have successfully completed two honors level or higher social studies courses*

**Grade level:** 11, 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

## HONORS PSYCHOLOGY

0244 .50 CREDIT



This semester course focuses on individual behavior and why an individual behaves the way they do. Topics will include dreams, multiple intelligences, body language, personality type, psychological tests and mental health disorders. This course will consist research projects, presentations, and writing. Advanced reading and critical thinking skills are required. This course is meant to prepare the student for a college course in Psychology.

This course is an elective and will fulfill a Social Studies requirement for classes graduating in 2017 and after. *\*Students may earn a weighted grade on the 4.5 scale for this course.*

**Prerequisite:** *“B” or higher in previous social studies courses and teacher recommendation*

**Grade level:** 11, 12

## HONORS SOCIOLOGY

0245 .50 CREDIT



This semester course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture and religion, violence, deviance, social control, socialization and personality, group behavior, social class and social institutions. The focus will be on society and how it influences our behavior. This course includes major research projects, presentations, and writing. Advanced reading and critical thinking skills are required. This

# SOCIAL STUDIES

The West Allegheny Social Studies Curriculum offers students a variety of opportunities for learning. History, culture, social science, economics, geography, law, and government are presented across the curriculum.

course is meant to prepare the student for a college course in Sociology.

This course is an elective and will fulfill a Social Studies requirement for classes graduating in 2017 and after. *\*Students may earn a weighted grade on the 4.5 scale for this course.*

**Prerequisite:** "B" or higher in previous social studies courses and teacher recommendation

**Grade level:** 11, 12

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## HONORS COMPARATIVE RELIGIONS

0246 .50 CREDIT



A comparative study of the world's major religions, through a critical exploration of the essential teachings and cultural texts. In addition to learning about these religions, the student will be exposed to methods used to study and compare religions. The student needs no prior experience in the study of religion. Through this course, students will survey and discuss the nature of religion and the many different religions of Africa, America, China and Japan. We will focus on the religions of Hinduism, Buddhism, Judaism, Christianity and Islam. Students will be required to demonstrate understanding through essays, public speaking, projects, group work, quizzes, tests, debates, and Socratic seminars.

**Grade level:** 11, 12

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## HONORS HOLOCAUST & GENOCIDE STUDIES

0247 .50 CREDIT



The Holocaust & Genocide Studies course examines the systematic, bureaucratic, state-sponsored persecution and murder of six million Jews and five million non-Jews by the Nazi regime and its collaborators between 1933 and 1945. Students will focus on the political, social and economic circumstances that contributed to this genocide as they evaluate the roles of perpetrators, collaborators, bystanders, victims and others during this particular genocide. In addition to the European Holocaust, the course will examine the larger concept of genocide as it relates to other world events. This course of study will be further enhanced through various literary resources, group discussions, writing assignments and projects.

**Grade level:** 11, 12

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## INTRODUCTION TO PSYCHOLOGY

0248 .50 CREDIT



Why do humans act as they do? This semester course will offer various explanations for human behavior from the point of view of the individual. It is an introductory course and would be of interest to all students.

**Grade level:** 11, 12

# SOCIAL STUDIES

The West Allegheny Social Studies Curriculum offers students a variety of opportunities for learning. History, culture, social science, economics, geography, law, and government are presented across the curriculum.

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## CURRENT AFFAIRS

0249 .50 CREDIT



Students will be studying up-to-the minute events of the nation and the world as they happen. Multi-media will be used on a regular basis; newspapers, social media, magazines, videotaping, etc. This semester course will allow the student to experience happenings in our world in a well-rounded way.

*Grade level: 11, 12*

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## SOCIOLOGY OF SPORTS

0250 .50 CREDIT



An examination of sport as a significant aspect of modern culture and a major institution of modern society. Among the topics that will be analyzed include: gender and sports, sports as an economic enterprise, sports in high school and college, and the issues of social class and race in sports.

This course explores the ways in which sports are entangled in social, cultural, political, and economic forces operating at many different levels, from the social levels to the global level.

On one hand the course deals with the multiple ways in which individuals are involved in sports organizations and activities, including our participation in sport for purposes of recreation and leisure, personal fulfillment, participation as spectators of sports and consumers of sports as entertainment commodities.

On the other hand, the course deals with the organization of sports and sports organizations as particular representations of social organizations in

general that can be analyzed in terms of goals, norms, and social roles. The course will also deal with the political economy of big time sports, including major university and professional sports.

*Grade level: 11, 12*

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## WORLD CULTURES

0251 .50 CREDIT



World Cultures will center on the following essential question: How does cultural identity shape us as humans? Through the course of the semester, students will work to gain an understanding of the ways in which culture impacts society as a whole. Students will focus on different elements of culture in general and apply that understanding to specific world events and regions. Students will understand that cultural backgrounds greatly influence decisions and priorities.

*Grade level: 11, 12*

# U.S. MARINE CORPS JUNIOR RESERVE OFFICER TRAINING CORPS

The U.S. Marine Corps Junior Reserve Officer Training Corps prepares students for leadership roles while making them aware of their rights, responsibilities, and privileges as Americans. The mission of JROTC is to motivate young people to be better citizens.

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## U.S. MARINE CORPS JUNIOR ROTC I

0260 1 CREDIT

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The purpose of the JROTC I is to develop leadership and build character, create informed and patriotic citizens, and develop responsible young adults who are physically, mentally, and morally fit. Emphasis is placed on basic leadership techniques, citizenship, self-discipline, Marine Corps and U.S. History, close order drill, marksmanship, first aid, physical training, Marine Corps uniform regulations, hygiene, substance abuse, and organizational skills. The overall stimulus of JROTC I is to build self-confidence and to promote graduation from high school.

**Grade level: 9, 10, 11, 12**

competitive testing based on practical and academic based evaluations.

**Prerequisite:** A final grade of "C" or better for JROTC I, or written permission from the JROTC staff.

**Grade level: 10, 11, 12**

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## U.S. MARINE CORPS JUNIOR ROTC III

0262 1 CREDIT

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The purpose of the MCJROTC is to develop leadership and build character, create informed and patriotic citizens, and develop responsible young adults who are physically, mentally, and morally fit. Emphasis is placed on reviewing the tenants of JROTC I/II while expanding the concentration on unit leadership techniques, and preparation for higher education, civilian careers and public service. Cadets will compete for leadership positions and be eligible for promotion to the staff noncommissioned officer grade. Outstanding cadets completing JROTC III will be considered for promotion to the officer ranks and be selected for senior leadership billets for the following school year.

**Prerequisite:** A final grade of "C" or better for JROTC II, or written permission from the JROTC staff.

**Grade level: 11, 12**

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## U.S. MARINE CORPS JUNIOR ROTC II

0261 1 CREDIT

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The purpose of the MCJROTC is to develop leadership and build character, create informed and patriotic citizens, and develop responsible young adults who are physically, mentally, and morally fit. Emphasis is placed on reviewing the tenants of JROTC I while expanding the concentration on individual leadership techniques and organizational skills. Cadets will progress with regard to Drill and Ceremony and be capable of leading a squad size unit. Special emphasis will be placed on cadet promotions within the cadet rank structure through

# U.S. MARINE CORPS JUNIOR RESERVE OFFICER TRAINING CORPS

The U.S. Marine Corps Junior Reserve Officer Training Corps prepares students for leadership roles while making them aware of their rights, responsibilities, and privileges as Americans. The mission of JROTC is to motivate young people to be better citizens.

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## U.S. MARINE CORPS JUNIOR ROTC IV

0263 1 CREDIT

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The purpose of JROTC IV is to reinforce lessons learned from previous leadership levels while instructing cadets on advanced leadership techniques at the non-commissioned officer level, professional communications, military theory, techniques of military instruction, and historical self-study. A strong emphasis is placed on practical application, leadership of junior cadets, and demonstrated mastery of all Marine Corps course requirements.

**Prerequisite:** A final grade of “B” or better for JROTC III, or written permission from the JROTC staff.

**Grade level:** 12

- ❖ This course may count toward a student’s fourth social studies credit.

# WORLD LANGUAGES

The connection between STEAM and World Languages is at the core of the National Steam Initiative. STEAM industries depend upon World Language programs to provide students with knowledge of other languages and cultures, opening doors to international collaboration in the STEAM fields. Additionally, many colleges require consecutive study of at least one World Language as an entrance requirement, and some college majors will necessitate further study at the college level. Students may continue their study through the Advanced Placement level with possible college credit. All students will receive a solid foundation for future study.

## SPANISH I

0500 1 CREDIT



Spanish I introduces students to the Spanish language and culture. Students will be actively involved in learning to express themselves in meaningful conversation. They will have the opportunity to develop communication skills using techniques such as: interactive pair/group work, speaking and listening activities. Emphasis will also be placed on developing the skills of reading and writing. To facilitate comprehension and linguistic awareness, materials such as CDs, videos, visuals, pictures, the internet, and authentic media will be used. Activities such as holiday celebrations, projects/presentations, and field trips will help the students experience and enjoy the language and culture.

**Prerequisite:** *It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 9, 10, 11, 12

## SPANISH II

0501 1 CREDIT



Spanish II continues to develop insight into the Spanish language and culture. Students will work on improving conversation skills while being introduced to new vocabulary and grammatical

structures. More emphasis will be placed on speaking, reading, creative writing, and listening. Class activities may include role-plays, group/pair activities, and projects/presentations. Students will continue to enjoy celebrations, music, and field trips as they expand their knowledge of the Spanish culture.

**Prerequisite:** *A "C" or higher in Spanish I. It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 9, 10, 11, 12

## SPANISH III

0502 1 CREDIT



Spanish III engages students in more advanced language communication. Students will learn to apply grammatical structures of more complexity and continue expand their vocabulary to create meaningful works. Students will further advance their skills in speaking, listening, reading and writing through such activities as: group/pair work, projects, presentations, and authentic readings. Students will also have the opportunity to participate in celebrations and field trips related to the Spanish language and culture.

**Prerequisite:** *A "C" or higher in Spanish II. It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 10, 11, 12

❖ **This course may count toward a student's fourth social studies credit.**

# WORLD LANGUAGES

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## SPANISH IV

0503 1 CREDIT



Spanish IV students are expected to have a comprehensive knowledge of the vocabulary, grammatical and cultural concepts developed at the beginning and intermediate levels of Spanish. This is an intensive course that concentrates on the study of advanced grammatical concepts and vocabulary. Students will be expected to incorporate these concepts into their language use. Additionally, students will demonstrate an improvement of their abilities through speaking, listening, reading and writing tasks. Students are encouraged to be creative with the language and to use their Spanish skills as much as possible in the classroom and in the community. Additionally, students will have the opportunity to enjoy celebrations, projects, presentations and field trips. **\*Students may earn a weighted grade on the 4.5 scale for this course.**

**Prerequisite:** A "B" or higher in Spanish III. It is strongly recommended that students have at least a "C" average in English.

**Grade level:** 11, 12

❖ This course may count toward a student's fourth social studies credit.

## AP SPANISH LANGUAGE & CULTURE

0504 1 CREDIT



Students will be expected to demonstrate a high degree of Spanish proficiency in all skill levels. To promote these higher level language skills, there will be an intense grammar study, and extensive reading and writing assignments from many authentic texts. Students will engage in advanced conversation and complex listening comprehension activities on a variety of topics. The purpose of this course is to help students to prepare for the AP Spanish Language examination. As this is an AP course, there will be a vigorous workload both inside and outside of class.

**\*Students may earn a weighted grade on the 5.0 scale for this course.**

**Prerequisite:** 80% or higher in Spanish IV or teacher recommendation

**Grade level:** 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

❖ This course may count toward a student's fourth social studies credit.

# WORLD LANGUAGES

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## FRENCH I (WAVA ONLY)

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V510 1 CREDIT



French Level I is intended for students with no or minimal previous experience with the French language. The course emphasizes communicative proficiency, with special attention to the development of oral and listening skills, self-expression, and cultural insights. Activities are varied and interactive and are focused on acquiring all four language competencies (listening, speaking, reading, and writing) simultaneously-always in the context of a cultural narrative. Each lesson begins with a rapid flow of authentic French presented in realistic, everyday circumstances, supported by video presentations and a comprehensive workbook. Free-form classroom interactions are balanced with structured grammar and vocabulary drills.

**Prerequisite:** *It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 9, 10, 11, 12

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## FRENCH II (WAVA ONLY)

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V511 1 CREDIT



Students enrolled in French II continue their study of French by further expanding their knowledge of

key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar.

**Prerequisite:** *"C" or higher in French I. It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 10, 11, 12

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## FRENCH III (WAVA ONLY)

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V512 1 CREDIT



French III engages students in more advanced language communication. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language

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progression can be monitored. This course is conducted almost entirely in French.

**Prerequisite:** "C" or higher in French II. It is strongly recommended that students have at least a "C" average in English.

**Grade level:** 11, 12

❖ This course may count toward a student's fourth social studies credit.

musicals, and dance shows. \*Students may earn a weighted grade on the 4.5 scale for this course.

**Prerequisite:** A "B" or higher in French III. It is strongly recommended that students have at least a "C" average in English.

**Grade level:** 11, 12

❖ This course may count toward a student's fourth social studies credit.

## FRENCH IV

0513 1 CREDIT



Students learn to speak with more fluency, practicing and expanding upon previously learned grammar concepts such as past time (including imperfect tense and plus perfect), future time, and pronouns, as well as learn more advanced verb tenses. Course participants will read independently at a more advanced level, and journal writing takes on more importance. Hands on projects include writing a children's book using the web-based Storybird app. Students continue to participate in cultural experiences such as cheese tasting, French Christmas traditions, Mardi Gras, trying French pastries and cheese, and French cuisine day. Field trips are taken to a French Restaurant and to the Gateway Clipper French night, and to various available performing arts events such as opera,

## AP FRENCH LANGUAGE & CULTURE

0514 1 CREDIT



Using select themes and sub-themes and addressing a variety of genres, students will interpret advanced level authentic texts both aural and oral. Students will also study and review advanced grammar as well as speak using the interpersonal, interpretive, and presentational modes of communication. In writing, students will develop their persuasive writing skills in preparation for the AP exam. \*Students may earn a weighted grade on the 5.0 scale for this course.

**Prerequisite:** 80% or higher in French IV or teacher recommendation

**Grade level:** 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

❖ This course may count toward a student's fourth social studies credit.

# WORLD LANGUAGES

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## GERMAN I

0520 1 CREDIT



German I will introduce the basic listening, speaking, reading, and writing skills as well as many aspects of the German culture. Students will participate in a variety of both traditional and non-traditional activities including partner work, role-playing, and singing. At the end of the course, students will be able to survive in Germany (i.e. get directions/food, go shopping, etc.). Culture activities include an Oktoberfest and field trips.

**Prerequisite:** *It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 9, 10, 11, 12

## GERMAN II

0521 1 CREDIT



Students in German II will continue to focus on all aspects of language. Emphasis will be on more advanced writing and speaking skills. We will continue to improve conversation and listening skills through partner work and other classroom activities. More detailed grammar concepts are introduced. There is a lot more student participation through varied activities including skits, presentations, and learning games. Students will continue to participate

in cultural activities such as Oktoberfest and field trips.

**Prerequisite:** *A "C" or higher in German I. It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 9, 10, 11, 12

## GERMAN III

0522 1 CREDIT



German III further develops language skills toward becoming a lifetime language learner. Students will be able to communicate orally and in writing on a variety of topics, including foods, vacations, and health. Skits, role-plays, projects, and reports encourage participation. Class is taught primarily in German with focus on complex grammatical structures and intensive vocabulary study. German III is recommended to satisfy many college requirements.

**Prerequisite:** *A "C" or higher in German II. It is strongly recommended that students have at least a "C" average in English.*

**Grade level:** 10, 11, 12

❖ **This course may count toward a student's fourth social studies credit.**

# WORLD LANGUAGES

The connection between STEAM and World Languages is at the core of the National Steam Initiative. STEAM industries depend upon World Language programs to provide students with knowledge of other languages and cultures, opening doors to international collaboration in the STEAM fields. Additionally, many colleges require consecutive study of at least one World Language as an entrance requirement, and some college majors will necessitate further study at the college level. Students may continue their study through the Advanced Placement level with possible college credit. All students will receive a solid foundation for future study.

## GERMAN IV

0523 1 CREDIT



German IV is a comprehensive in-depth language and culture course. Students are required to combine skills and concepts learned in all previous levels. In-class time will be spent on increasing listening and speaking proficiency work with more time outside of class on writing and reading skills. Students will explore contemporary German culture in-depth, as well as the historical role of Germany during WWII and the Holocaust. *\*Students may earn a weighted grade on the 4.5 scale for this course.*

**Prerequisite:** A "B" or higher in German III. It is strongly recommended that students have at least a "C" average in English.

**Grade level:** 11, 12

❖ This course may count toward a student's fourth social studies credit.

will become more proficient in the three modes of communication: interpersonal (both formal and informal), interpretive and presentational. Students will learn to read newspaper and magazine articles, contemporary fiction and non-technical writings (without the use of a dictionary/online aids), and will explore cultural trends and issues. Students participate in Oktoberfest all day by keeping things organized and leading the younger students in songs and dances. Students practice their language skills both in the context of preparation for the AP exam and in real life situations. Students in the AP level course must demonstrate higher levels of proficiency in all areas of skills development. *\*Students may earn a weighted grade on the 5.0 scale for this course.*

**Prerequisite:** 80% or higher in German IV or teacher recommendation

**Grade level:** 12

**NOTE:** This course has a summer reading and writing requirement; students should collect the materials before they leave school for the summer.

❖ This course may count toward a student's fourth social studies credit.

## AP GERMAN LANGUAGE & CULTURE

0524 1 CREDIT



This course is designed to prepare students to take the German Language AP examination and to continue the development of oral and written skills. In a thematic approach to language learning, students

## MANDARIN CHINESE I (WAVA ONLY)

525 1 CREDIT



Mandarin Chinese I focus' on four key areas of study: listening, speaking, reading and writing. Students should expect to be actively engaged in their own language learning, become familiar with

# WORLD LANGUAGES

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common vocabulary terms and phrases, comprehend a wide range of grammar patterns, and participate in simple conversations and responding appropriately to basic conversational prompts. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are learned.

**Prerequisite:** *Students must have a minimum of at least a "B" average in English OR counselor approval.*

**Grade level:** 9, 10, 11, 12

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## MANDARIN CHINESE II (WAVA ONLY)

V526 1 CREDIT

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Mandarin Chinese II continues to develop insight into the Chinese language and culture. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Character recognition and practice are a key focus of the course. Pinyin is still presented with characters throughout to aid in listening and reading comprehension.

**Prerequisite:** *"C" or higher in Mandarin Chinese I. It is strongly recommended that students have at least a "B" average in English.*

**Grade level:** 10, 11, 12

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## MANDARIN CHINESE III (WAVA ONLY)

V527 1 CREDIT

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Chinese III engages students in more advanced language communication. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning. Character recognition and practice continue to be a key focus of the course. Pinyin is still presented with characters throughout to aid in listening and reading comprehension.

**Prerequisite:** *"C" or higher in Mandarin Chinese II. It is strongly recommended that students have at least a "B" average in English.*

**Grade level:** 11, 12

❖ **This course may count toward a student's fourth social studies credit.**

# SPECIAL OPTIONS

Students interested in any of these options should discuss the option with their counselor to determine if the option is feasible and appropriate for the student's future plans.

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## WEST ALLEGHENY VIRTUAL ACADEMY

CREDIT VARIES BY COURSE

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All Virtual Academy courses must be approved by the High School Administration and/or the Director of Ancillary Services.

- Virtual Academy courses are available to junior and senior students. Freshmen and sophomore students may be offered a Virtual Academy course if a scheduling conflict exists.
- Virtual Academy courses cannot replace an existing scheduled course.
- Virtual Academy courses will be graded and weighted based on the West Allegheny School District grading scale and course description with grades being applied to the student's QPA and graduation requirements.
- The Virtual Academy course may be terminated if the student fails to meet deadlines and requirements established by the Virtual Academy.
- The Schedule Change Procedures contained within the West Allegheny High School Parent/Student Handbook apply to all Virtual Academy Courses.
- For further information regarding the Virtual Academy, please contact Mrs. Toni Baldanzi at 724-695-5201 ext. 3201 or visit the [West Allegheny Virtual Academy](#) portion of the district's website.

**Grade level: 11, 12**

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## CCBC AVIATION ACADEMY

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The CCBC Aviation Academy is a nationally distinctive institution as it is the only program currently in existence in the United States that offers high school students the opportunity to explore Professional Pilot, Air Traffic Control, and

Unmanned Aerial Vehicles career paths.

Students will gain hands-on experience inside and outside the classroom at the Academy's Aviation Sciences Center and at the Beaver County Airport. Through the CCBC aviation student, students may earn up to 26 college credits while still attending high school.

This is a dual enrollment program through the Community College of Beaver County. Classes for this program will be held on the campus of the Parkway West Career and Technology Center.

Semester cost is discounted for Aviation Academy students: \$210.00/credit for tuition and fees. Scholarships are available for qualified students. College Books are provided at no cost by CCBC.

**Grade level: 10, 11, 12**

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## WEST ALLEGHENY/ROBERT MORRIS UNIVERSITY FIRST SEMESTER COLLEGE IN HIGH SCHOOL PROGRAM

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This program will afford selected WAHS students with the opportunity to earn fifteen (15) post-secondary credits from Robert Morris University during their junior and senior years of high school. Selected eleventh grade students will participate in and complete the following Robert Morris University courses during their junior and senior years of high school.

<i>COSK 1220</i>	<i>Reading and Writing Strategies</i>
<i>HIST 1100</i>	<i>United States History I</i>
<i>HUMA 1010</i>	<i>Introduction to Humanities: Art and Music</i>
<i>PSYC 1010</i>	<i>General Psychology</i>
<i>SOCI 1010</i>	<i>Principles of Sociology</i>

# SPECIAL OPTIONS

Students interested in any of these options should discuss the option with their counselor to determine if the option is feasible and appropriate for the student's future plans.

The above courses facilitated by Robert Morris University Faculty will be taken after WAHS school hours (afternoon, evening, or Saturdays TBD) on the WAHS campus.

Robert Morris University will provide the above courses to students at a tuition rate of approximately \$800.00 per course. Please note that this tuition rate has been discounted approximately seventy percent (70%) when compared to the standard tuition rates for an undergraduate course. In summation, students can earn fifteen (15) post-secondary credits from Robert Morris University at a total cost under \$4,000.00 versus a traditional per credit tuition rate totaling over \$12,900.00. Robert Morris University will publish exact rates for students each new academic year.

In addition to the tuition cost savings, students who successfully complete all of the above courses will be awarded a *Letter of Acceptance* to Robert Morris University and will have the opportunity to begin their post-secondary schooling at RMU as a second-semester freshmen. Robert Morris University has selected courses from their course catalog that are highly transferable to other post-secondary institutions. Students who are selected to participate in this program are in no way required to attend RMU upon graduation from WAHS. Rather, students will receive an official Robert Morris University transcript detailing each of the above courses to provide to the post-secondary institution of their choice.

Students who are considering application to this program should also note that they will receive WAHS course elective credit for each course passed with a grade of "C" or higher in accordance with the procedures regarding post-secondary courses taken at other institutions outlined in the West Allegheny High School Parent-Student Handbook.

**Grade level: 11, 12**

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## DUAL ENROLLMENT

**1 CREDIT**

Juniors and seniors may enroll in college courses while simultaneously completing all credit requirements for graduation. This option will provide students with the opportunity to earn college credits as well as high school credit (one West Allegheny credit may be awarded per three credit college course passed with a grade of "C" or better) if desired. Students who pursue this option are responsible for their own transportation, fees, books, and tuition. Students wishing to have West Allegheny credit awarded are responsible for informing their guidance counselor and providing a copy of their final grade in the college course. Students must complete any forms required by the college. Students may take courses at any college or university that offers a dual enrollment program. In the past, students have taken courses at such places as Community College of Allegheny County, Penn State – Beaver, and Robert Morris University.

Any student wishing to participate in dual enrollment must complete an application process, which includes approval by the student's school counselor and the high school administration, and may be asked to provide ongoing proof of course enrollment.

**Grade level: 11, 12**

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## WORK RELEASE

**NO CREDIT**

This program is designed to meet the needs of senior students who may need to work at a part-time job or participate in a cooperative work experience through Parkway West Career & Technology Center. The student's schedule must be such that he or she is able to take all required subjects and be earning enough credits his or her senior year to ensure, if successfully completed, that he or she will meet the requirements for graduation.

# SPECIAL OPTIONS

Students interested in any of these options should discuss the option with their counselor to determine if the option is feasible and appropriate for the student's future plans.

Any student wishing to utilize work release must complete an application process, which includes approval by the student's school counselor and the high school administration, and will be asked to provide ongoing proof of employment. The student is responsible for his or her own transportation. Counselors will work closely with students who want to pursue work release on an academic program of studies that satisfies the course and graduation requirements. Work release planning should begin in the sophomore year.

**Approval of work release is not guaranteed.**

*Grade level: 12*

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## INDEPENDENT STUDY

FULL YEAR 6 DAY 1 CREDIT

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## INDEPENDENT STUDY

FULL YEAR 3 DAY .50 CREDIT

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## INDEPENDENT STUDY

HALF YEAR 6 DAY .50 CREDIT

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## INDEPENDENT STUDY

HALF YEAR 3 DAY .25 CREDIT

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The independent study program is designed to meet the needs of junior and senior students who have exhausted the options in a particular curriculum area or desire to pursue course work not offered by West Allegheny in that area. The school district will only consider a program if the student is able to meet all requirements for graduation as outlined in the Student/Parent Handbook. Students must be able to demonstrate the educational significance of their participation in an independent study program. Only students demonstrating exceptional talents or needs for acceleration can qualify. All possible efforts should be made to meet these needs through the regular curriculum. The High School Principal shall

act as final authority regarding questions in regard to independent studies.

Students must complete an independent study application, following all required steps, and have the application approved prior to beginning an independent study course. Independent study courses cannot replace a required or existing course offered. Freshman and sophomore students may only schedule independent study courses in the event of a conflict in their schedule and/or with prior approval of a counselor and an administrator.

**Students will receive credit for independent study courses, but will be evaluated on a Pass/Fail basis – not assigned a letter grade. Independent study courses are not calculated into a student's GPA.**

*Grade level: 11, 12*

# PARKWAY WEST AREA CAREER & TECHNOLOGY CENTER

West Allegheny Senior High School students who are interested in obtaining vocational/technical education and preparing for a career may attend Parkway West Area Career & Technology Center beginning in 9<sup>th</sup> grade.

Students attend Parkway West CTC for half-day sessions, with the other half-day being spent at the home school following a schedule of required academic courses.

Students receive three to four Carnegie unit credits for each year successfully completed at Parkway West Area Career & Technology Center. All credits earned are considered elective credits and are transferred to the home school to become part of the students' permanent records.

Students who successfully complete the program at Parkway West CTC and the requirements at the home school will receive a diploma from the home school and a certificate of completion from Parkway West CTC.

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## AUTO BODY REPAIR

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The Auto Body Repair program is certified by the National Automotive Technology Education Foundation (NATEF) and provides instruction in the most current techniques for repair and replacement of damaged automobile parts. Students learn to repair collision damage and to replace quarter panels, door skins, and fenders. The curriculum also includes painting, MIG welding, collision repair, frame straightening, and damage analysis. Students gain experience in mixing and tinting paint, custom painting, computerized estimating, and auto detailing. Practical experience is also provided through a full-service auto body repair shop. Students have the opportunity to earn **PPG Blue Level Paint** and **I-Car MIG Welding** certifications. They are also eligible to earn **I-Car Points**.

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## AUTOMOTIVE TECHNOLOGY

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Automotive Technology is certified by the National Automotive Technology Education Foundation (NATEF) and affiliated with all of the major automotive manufacturers through Automotive Youth Educational Systems (AYES). Students prepare to take the Pennsylvania State Inspection License examination. Students learn basic vehicle maintenance, repair, and replacement of drive trains, brake systems, chassis components, and fuel and electrical systems. Special emphasis is placed on troubleshooting and engine performance via the use of state-of-the-art electronic diagnostic equipment. Practical experience is also provided in the auto repair shop. Under the Automotive Youth Educational Systems (AYES) apprenticeship program, students may qualify to become an apprentice working under mentor technicians. Students can earn certifications from **AYES**, the **National Institute for Automotive Service Excellence (ASE)**, and the **Coordinating Committee for Automotive Repair (CCAR)**.

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## CONSTRUCTION TECHNOLOGY CLUSTER



First-year students will select one of the five programs in the Construction Technology program in which they have the most interest and spend one quarter in that program. For the other three quarters students will be randomly assigned to three of the additional four courses offered in the Construction Technology Cluster. The courses offered are *Building Construction Technology*; *Electrical Systems Technology*; *Heating, Ventilation, Air-Conditioning and Refrigeration*; *Masonry*; and *Welding Technology*. Upon successful completion of the one-year rotation, students will be given the option to experience the fifth course before choosing one area of concentration for the remainder of their enrollment at PWCTC. The five programs consist of the following:

- **BUILDING CONSTRUCTION TECHNOLOGY:**



A student in the Building Construction Trades program will apply technical knowledge and skills to layout, fabricate, erect, install and repair structures and fixtures using hand and power tools, scaffolding, and specialty tools used in the construction trade. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques. Students will be given the opportunity to earn a **10-hour Occupational Safety and Health Administration (OSHA) Construction** card.

# PARKWAY WEST AREA CAREER & TECHNOLOGY CENTER

West Allegheny Senior High School students who are interested in obtaining vocational/technical education and preparing for a career may attend Parkway West Area Career & Technology Center beginning in 9<sup>th</sup> grade.

Students attend Parkway West CTC for half-day sessions, with the other half-day being spent at the home school following a schedule of required academic courses.

Students receive three to four Carnegie unit credits for each year successfully completed at Parkway West Area Career & Technology Center. All credits earned are considered elective credits and are transferred to the home school to become part of the students' permanent records.

Students who successfully complete the program at Parkway West CTC and the requirements at the home school will receive a diploma from the home school and a certificate of completion from Parkway West CTC.

- **ELECTRICAL SYSTEMS TECHNOLOGY:**



Electrical Systems Technology teaches students the integral components of the electrical industry for entry level employment in residential, commercial, and/or light industrial locations. The basis of instruction is in the layout, assembly, installation, wiring, maintenance, and trouble-shooting of electrical systems. Understanding programmable logistical controls (PLS's) and how transformers operate are also covered.

- **HEATING, VENTILATION, AIR-CONDITIONING AND REFRIGERATION (HVAC/R):**



The Heating, Ventilation, Air-Conditioning and Refrigeration program, which has been newly renovated with state-of-the-industry equipment, provides instruction in basic and

advanced electrical theory, troubleshooting, and repair of residential and commercial heating, air-conditioning, and refrigeration systems. Students will be given the opportunity to earn a **10-hour Occupational Safety and Health Administration (OSHA) Construction** card.

- **MASONRY:**



Masonry offers instruction in the construction of brick and block walls for residential or commercial structures. Students learn techniques of ornamental masonry, ceramic tile, and natural or cultured stone installations. Students will also be introduced to versa-lok, an interlocking retaining wall system. Students will be given the opportunity to earn a **10-hour Occupational Safety and Health Administration (OSHA) Construction** card and may have a greater opportunity to join the **Bricklayers' Union (BAC)** after graduation.

# PARKWAY WEST AREA CAREER & TECHNOLOGY CENTER

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Students attend Parkway West CTC for half-day sessions, with the other half-day being spent at the home school following a schedule of required academic courses.

Students receive three to four Carnegie unit credits for each year successfully completed at Parkway West Area Career & Technology Center. All credits earned are considered elective credits and are transferred to the home school to become part of the students' permanent records.

Students who successfully complete the program at Parkway West CTC and the requirements at the home school will receive a diploma from the home school and a certificate of completion from Parkway West CTC.

- **WELDING TECHNOLOGY:**



The Welding program covers several types of welding processes by which metal may be bent, cut, or welded together, including oxy-fuel, shielded metal arc, gas metal arc, gas tungsten arc, flux core welding, carbon arc, plasma cutting, and oxy-fuel brazing. Students will learn the importance of industry safety, measuring instruments, hand tools, grinders, metallurgy, blueprint reading, electrical principles, layout/design, and fabrication. They will also learn how to prepare materials lists for cost estimates. Students have the opportunity to earn several **American Welding Society (AWS)** certifications.

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## COSMETOLOGY

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The Cosmetology program prepares students to perform technical services including all aspects of hair, skin/nail beautification, and personal maintenance. These skills are supported and reinforced with theoretical background including sanitation, chemistry, anatomy and physiology, as well as structure, function, and disorders of the hair, skin, nails, and scalp. The Cosmetology program helps students develop into well-rounded professionals who practice real-world services in Parkway's salon, which is open to the public two days a week. Utilizing an integrated approach to teaching and learning, students learn about interpersonal relations, professional attitude, and career fundamentals along with technical knowledge and skills. Techniques and abilities are practiced and tested on mannequins, classmates, and the general public. Students who are able to attend this program for three years will have the opportunity to earn 1,250 hours of the state-regulated course requirements to take the **state licensing exam to be a licensed cosmetologist**, which encompasses

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providing services to the public for hair, skin, and nails.

Students who are able to take one or two years of instruction in the Cosmetology program may choose from the following specialized license fields:

- **NAIL TECHNICIAN LICENSE:** This license requires 200 hours of instruction and can be completed within one year. An individual holding a nail technician license is qualified to perform nail technology services only.
- **COSMETOLOGY TEACHER LICENSE:** Prerequisite for this course is having successfully passed at least one of the above licensures. This license requires 500 hours of required studies and can be completed within one year. An individual holding a teacher's license is qualified to perform the functions of a teacher in whatever specialized area the individual has obtained licensure.

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## CULINARY ARTS

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The Culinary Arts program provides practical instruction in the preparation of banquet, buffet, and a la carte styles of food preparation. Practical experience is provided through the operation and management of an in-house, full-service restaurant. Students also provide goods and services for Parkway's food store, where pastries and select meats are sold. Students learn to design cakes, sculpt ice, and prepare many different types of cuisine. First-year students spend one school year in Culinary Arts Level I. Second and third-year students will advance into Culinary Arts Levels II and III. Senior students who have completed at least two years of Culinary Arts will have the opportunity to earn both the **National Restaurant Association's ServSafe** certification and the **American Culinary Federation** certification.

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## DIGITAL MULTIMEDIA



The Digital Multimedia program provides instruction in basic graphic design using computers and design software such as Adobe Illustrator, Acrobat, Photoshop, InDesign, and Dreamweaver. Students learn entry-level skills for desktop publishing, web design, digital photography, and graphic animation utilizing Flash. Several software applications are used to design, edit, and publish documents, images, and multimedia presentations in print and electronic form. From designing a poster to developing a website, students will have the opportunity to apply their creativity to projects that resemble those within industry. Students can earn the **Adobe Certified Associate in Visual Communication** and the **Adobe Certified Associate in Web Communication** certifications via Certiport.

## HEALTH ASSISTANT



Students in the Health Assistant program have the opportunity to participate in a wide-range of real-world clinical and job shadowing experiences at many different local healthcare providers. Clinical experiences may include: child care, long-term care, emergency nursing, recovery room nursing, radiology, medical records, operating room observation, pharmacy, physical/occupational therapy, and/or lab technician. Students will have the opportunity to earn and complete the American Heart Association **“CPR for Health Care Providers”** certification and the following certifications in relation to the Health Care Industry:

- **Pennsylvania State Nurse Aid Registry (C.N.A.):** For first and second year students, instruction begins with anatomy, physiology, and medical terminology. Special attention is given to medical office examinations, treatment, and patient care.
- **Personal Care Home Direct Care Staff:** For first and second year

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students, this component offers a competency test from the PA Department of Public Welfare, and it prepares students to work in a personal care home as a direct care giver.

- **Pharmacy Technician Certification (CPhT):** After successful completion of this one-year, 12<sup>th</sup> grade course, students will assist the pharmacist in a variety of tasks. Module and lab work includes: controlled substances, laws and regulations, drug classifications, frequently prescribed medications, prescription information, preparing/dispensing prescriptions, calculations, sterile products, unit dose, and repackaging.
- **Phlebotomy Technician Certification (CPT):** This is a one semester certification course directed toward 12<sup>th</sup> grade students. Module and lab work includes: anatomy and physiology, infection control, safety and compliance, patient preparation, collection techniques, and processing of collected samples. Students must demonstrate a minimum of 30

successful venipunctures and 10 successful capillary punctures.

## INFORMATION TECHNOLOGY ESSENTIALS



The Information Technology Essentials program prepares students who are interested in networking and computer diagnostics. It begins with Cisco IT Essentials, PC hardware and software, and network operating systems. Students initially prepare for CompTIA A+ and CompTIA Server+ certifications and then, through the Cisco CCNA Discovery course, students learn networking concepts based on typical networks that one might encounter in a home or small office, or in larger, more complex enterprise models. Finally, students can prepare for the **Cisco CCENT** and **Cisco CCNA** certifications.

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## PUBLIC SAFETY TECHNOLOGY

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The Public Safety Technology program focuses on careers relating to emergency medical services, fire fighting, law enforcement, and emergency management services. In order to successfully complete the program, students must meet minimum proficiency levels in all public safety areas. Instruction is provided in disaster situations/management, hazardous materials handling, pre-hospital medical care, map reading, fire fighting, the judicial system, and emergency dispatching. Students have the opportunity to earn the following certifications: **Emergency Medical Technician-Basic (EMT-B)**, **Basic Vehicle Rescue (BVR)**, **Emergency Vehicle Operators Course (EVOC)**, **Hazardous Materials Recognition and Identification (Haz-Mat R&I)**, and multiple Federal Emergency Management Agency certifications.

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## SPORTS MEDICINE AND REHABILITATION THERAPY TECHNOLOGY (SMARTT)

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The Sports Medicine & Rehabilitation Therapy Technology program prepares students to work in the field of physical therapy, occupational therapy, and sports medicine. Students will develop skills in prevention, diagnosis, differential diagnosis, assessment, prognosis, and the rehabilitation of injuries and other health conditions. Students will learn the principles of developing a plan of care including: evaluation, interventions (exercise, manual therapy, modalities, and neuro re-education), assessment, goal setting, and discharge. Students will also learn how to develop a proper diet for healthy individuals and tailor it for special populations through a comprehensive understanding of nutrition. Upon successful completion, students should be able to assist in the development and implementation of a plan of care for healthy and special populations.

Careers available directly out of the program could include: Personal Trainer, Coach, Physical Therapy Aid. This program also provides a solid educational base on which to build a post-secondary degree or

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advanced certification. Careers available with additional post-secondary schooling include: Personal Trainer, Athletic Trainer, Physical Therapist, Physical Therapist Assistant, Occupational Therapist, Certified Occupational Therapist Assistant, Strength and Conditioning Coach, Medical and Exercise Physiology Researcher, Sports Psychologist, Dietician, and Exercise Physiologist.

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## APPLIED ACADEMIC COURSES

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In the event of a course conflict or need for specific credits at the home school only, West Allegheny may allow a student to take an applied academic course at PWACTC. Students should contact their counselor for more information

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## VETERINARY TECHNOLOGY

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In the Veterinary Technology program, students will learn to keep medical records, schedule, offer client education, practice laboratory procedures, assist with nursing duties, prepare for surgeries, and assist during a routine exam. Students will also gain a solid educational base on which to build a post-secondary degree. This program may lead to additional career pathways such as Animal Trainer, Animal Breeders, Non-Farm Animal Caretakers, Laboratory Animal Caretakers, Groomers, Animal Control Worker, Veterinary Technician, Veterinary Technologist, and Veterinarian. Students may earn the following certifications: **Purina Certified Weight Coach; Pet Tech First Aid and CPR.**

# **APPENDIX A: COURSE SELECTION FORMS**



# West Allegheny High School

## Course Scheduling Form: RISING FRESHMEN

*Every student must schedule and maintain a minimum of 7.00 credits unless otherwise permitted by the principal through an approved academic plan. Be certain to review the requirements and prerequisites for the courses you are choosing.*

<b>Last Name:</b> (Please print legibly)				<b>First Name:</b> (Please print legibly)			
<b>Please select at least one Career and College Pathway:</b>							
<input type="checkbox"/> Arts and Communication				<input type="checkbox"/> Human and Public Services			
<input type="checkbox"/> Business and Finance				<input type="checkbox"/> Pre-Engineering			
<input type="checkbox"/> Career and Industry				<input type="checkbox"/> Science and Health			
<input type="checkbox"/> Computer Science							
Potential Career Goal (if known):							
<b>English Language Arts</b> minimum of 4 credits required for graduation							
Student Requested Course:				Teacher Initials:		0100 English 9 Acceleration 0101 Academic English 9 0106 Pre-AP/Honors English 9 ____ Other Approved Course	
Teacher Recommendation:		Same as student					
Parent Acknowledgement:		Agree with Teacher Rec.					
		Disagree with Teacher Rec.					
<b>Mathematics</b> minimum of 4 credits required for graduation unless attending Parkway							
Student Requested Course:				Teacher Initials:		0308 Algebra I 0309 Geometry Block 0310 Geometry 0311 Advanced Geometry 0315 Algebra II 0317 Honors Algebra II ____ Other Approved Course	
Teacher Recommendation:		Same as student					
Parent Acknowledgement:		Agree with Teacher Rec.					
		Disagree with Teacher Rec.					
<b>Science</b> minimum of 4 credits required for graduation unless attending Parkway							
Student Requested Course:				Teacher Initials:		0402 Biology with Lab 0403 Honors Biology with Lab ____ Other Approved Course	
Teacher Recommendation:		Same as student					
Parent Acknowledgement:		Agree with Teacher Rec.					
		Disagree with Teacher Rec.					
<b>Social Studies</b> minimum of 4 credits required for graduation unless attending Parkway							
Student Requested Course:				Teacher Initials:		0210 U.S. History 0211 Honors U.S. History 0212 U.S. History 9 ____ Other Approved Course	
Teacher Recommendation:		Same as student					
Parent Acknowledgement:		Agree with Teacher Rec.					
		Disagree with Teacher Rec.					
<b>Health &amp; Physical Education</b> ALL FRESHMEN STUDENTS ARE REQUIRED TO COMPLETE PHYSICAL EDUCATION 9 & HEALTH 9 minimum of 2 credits required for graduation unless otherwise approved by Administration							
REQUIRED Courses:				0800 Physical Education 9 (S-3 days per rotation) 0801 Health Education 9 (S-3 days per rotation)			



# West Allegheny High School

## Course Scheduling Form: RISING FRESHMEN

<b>Elective Offerings</b> <i>Any elective requiring prerequisites (denoted by #) must include teacher initials.</i> <b>Students may choose to take additional academic courses as electives.</b>			
<b>Electives Choices:</b> (in order of preference)	Teacher Initials	<b>Electives Choices:</b> (in order of preference)	Teacher Initials
1.		5.	
2.		6.	
3.		7.	
4.		8.	
<p style="text-align: center;"><b><u>ART</u></b></p> <p>0740 Art I</p> <p style="text-align: center;"><b><u>BUSINESS, COMPUTER, &amp; INFORMATION TECHNOLOGY</u></b></p> <p>0606 Accounting I</p> <p>0610 Basic Web Design (S)</p> <p>0611 3D Anim. w/Flash (S)</p> <p>0612 Sports &amp; Ent. Mark. I (S)</p> <p>0613 Sports &amp; Ent. Manag. I (S)</p> <p>0614 Sports &amp; Ent. Mark. II (S) #</p> <p>0615 Sports &amp; Ent. Manag. II (S) #</p> <p>0618 Career &amp; Personal Success (S)</p> <p>0619 Business Own. &amp; Entrep. (S)</p> <p>0620 Fashion Merchandising (S)</p> <p>0621 Digital Arts (S)</p> <p>0622 Intro to Programming (S)</p> <p style="text-align: center;"><b><u>Zulama Gaming Academy</u></b></p> <p>0650 Game Design (S)</p> <p>0651 Mobile App &amp; Game Des (S) #</p>	<p style="text-align: center;"><b><u>ENGINEERING &amp; TECHNOLOGY EDUCATION</u></b></p> <p>0700 Residential Construction (S)</p> <p>0701 Commercial Construction (S)</p> <p>0702 Transportation Tech. (S)</p> <p>0703 Energy/Power Systems (S) #</p> <p>0704 Graphic Design</p> <p>0705 Multimedia Design</p> <p>0706 Draw. &amp; Des. for Eng. &amp; Arch.</p> <p>0711 Manufacturing Technology I</p> <p>0714 Intro to Engineering Design</p> <p style="text-align: center;"><b><u>FAMILY &amp; CONSUMER SCIENCES</u></b></p> <p>0720 Intro to Culinary Arts (S1)</p> <p>0721 Food for Today (S2)</p> <p>0722 Art of Baking (S)</p> <p>0723 World Cuisine (S)</p> <p>0724 Food for Sport (S)</p> <p>0725 Fin Lit: Surv Real World (S)</p> <p>0726 Interior Design (S)</p> <p>0727 Relation. &amp; Parenting (S)</p> <p>0728 Dynamic Living</p>	<p style="text-align: center;"><b><u>MEDIA ARTS</u></b></p> <p>0153 Introduction to Media Arts</p> <p>0163 Acting &amp; Tech Theatre (6 Day)</p> <p>0164 Acting &amp; Tech Theatre (3 Day)</p> <p>0170 Yearbook I</p> <p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>0750 Band I (6 Day)</p> <p>0751 Band I (3 Day)</p> <p>0753 Band II (6 Day)</p> <p>0754 Band II (3 Day)</p> <p>0756 Band III (6 Day <b>by aud. only</b>)</p> <p>0757 Band III (3 Day <b>by aud. only</b>)</p> <p>0762 Jazz Studies: Vocal (6 Day) #</p> <p>0763 Jazz Studies: Vocal (3 Day) #</p> <p>0764 Jazz Studies: Instr. (6 Day) #</p> <p>0765 Jazz Studies: Instr. (3 Day) #</p> <p>0767 Beginning Piano (6 Day)</p> <p>0768 Beginning Piano (3 Day)</p> <p>0769 Beginning Guitar (6 Day)</p> <p>0770 Beginning Guitar (3 Day)</p> <p>0780 Chorus I (6 Day)</p> <p>0781 Chorus I (3Day)</p> <p>0789 Concert Chorale (<b>by aud only</b>)</p> <p>0791 Intro to Musical Theat. (6 Day)</p> <p>0792 Intro to Musical Theat. (3 Day)</p>	<p style="text-align: center;"><b><u>PHYSICAL EDUCATION &amp; HEALTH</u></b></p> <p>0820 Physical Conditioning</p> <p style="text-align: center;"><b><u>USMC JUNIOR ROTC</u></b></p> <p>0260 USMC Junior ROTC I</p> <p style="text-align: center;"><b><u>WORLD LANGUAGES</u></b></p> <p>0500 Spanish I</p> <p>0501 Spanish II #</p> <p>0520 German I</p> <p>0521 German II #</p> <p>V510 French I (WAVA)</p> <p>V525 Mand Chinese I (WAVA)</p> <p style="text-align: center;"><b><u>PARKWAY WEST CAREER &amp; TECHNOLOGY CENTER</u></b></p> <p>2501 Auto Body Technology</p> <p>2502 Automotive Technology</p> <p>2503 Constr. Tech Cluster (1<sup>st</sup> year)</p> <p>2509 Cosmetology</p> <p>2510 Culinary Arts</p> <p>2511 Health Assistant</p> <p>2513 Digital Multimedia</p> <p>2514 Information Tech Essentials</p> <p>2515 Public Safety Technology</p> <p>2516 Sports Medicine &amp; Rehab Therapy Tech</p> <p>2517 Veterinary Technology</p>

By signing below, you acknowledge that you have reviewed your child's course selections and teacher recommendations for the 2017-2018 school year and have provided input accordingly. In the event that you disagree with a teacher's recommendation, please provide detailed comments below; your child's school counselor will be in contact to review the most appropriate course selection for your child.

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

For Counselor use only:



# West Allegheny High School

## Course Scheduling Form: RISING SOPHOMORES



*Every student must schedule and maintain a minimum of 7.00 credits unless otherwise permitted by the principal through an approved academic plan. Be certain to review the requirements and prerequisites for the courses you are choosing.*

<b>Last Name:</b> (Please print legibly)				<b>First Name:</b> (Please print legibly)			
<b>Please select at least one Career and College Pathway:</b>							
<input type="checkbox"/> Arts and Communication				<input type="checkbox"/> Human and Public Services			
<input type="checkbox"/> Business and Finance				<input type="checkbox"/> Pre-Engineering			
<input type="checkbox"/> Career and Industry				<input type="checkbox"/> Science and Health			
<input type="checkbox"/> Computer Science							
Potential Career Goal (if known):							
<b>English Language Arts</b> minimum of 4 credits required for graduation							
Student Requested Course:				Teacher Initials:		0110 English 10 Acceleration	
Teacher Recommendation:			Same as student		0111 Academic English 10		
Parent Acknowledgement:		Agree with Teacher Rec.		Disagree with Teacher Rec.		0112 Pre-AP/Honors English 10	
						___ Other Approved Course	
<b>Mathematics</b> minimum of 4 credits required for graduation unless attending Parkway							
Student Requested Course:				Teacher Initials:		0309 Geometry Block	
Teacher Recommendation:			Same as student		0310 Geometry		
Parent Acknowledgement:		Agree with Teacher Rec.		Disagree with Teacher Rec.		0311 Advanced Geometry	
						0315 Algebra II	
						0316 Algebra II with Lab	
						0317 Honors Algebra II	
						0319 Trigonometry/Precalculus	
						0320 Honors Trigonometry/Precalculus	
						0323 AP Statistics	
						0607 CHS Financial Accounting	
						0630 AP Computer Science Principles	
						0632 AP Computer Science A	
						___ Other Approved Course	
<b>Science</b> minimum of 4 credits required for graduation unless attending Parkway							
Student Requested Course:				Teacher Initials:		0404 Conceptual Chemistry	
Teacher Recommendation:			Same as student		0405 Honors Chemistry with Lab		
Parent Acknowledgement:		Agree with Teacher Rec.		Disagree with Teacher Rec.		0410 AP Biology	
						___ Other Approved Course	
<b>Social Studies</b> minimum of 4 credits required for graduation unless attending Parkway							
Student Requested Course:				Teacher Initials:		0230 American Government	
Teacher Recommendation:			Same as student		0231 Honors American Government		
Parent Acknowledgement:		Agree with Teacher Rec.		Disagree with Teacher Rec.		0232 AP Government & Politics	
						___ Other Approved Course	
<b>Health &amp; Physical Education</b> ALL SOPHOMORE STUDENTS ARE REQUIRED TO COMPLETE PHYSICAL EDUCATION 10 & HEALTH 10 minimum of 2 credits required for graduation unless otherwise approved by Administration							
REQUIRED Courses:				0802 Physical Education 10 (S-3 days per rotation)			
				0803 Health Education 10 (S-3 days per rotation)			



# West Allegheny High School

## Course Scheduling Form: RISING SOPHOMORES

<b>Elective Offerings</b> <i>Any elective requiring prerequisites (denoted by #) must include teacher initials.</i> <i>Students may choose to take additional academic courses as electives.</i>			
<b>Electives Choices:</b> (in order of preference)	<b>Teacher</b> <b>Initials</b>	<b>Electives Choices:</b> (in order of preference)	<b>Teacher</b> <b>Initials</b>
1.		5.	
2.		6.	
3.		7.	
4.		8.	
<p style="text-align: center;"><b><u>AP CAPSTONE</u></b></p> <p>0200 AP Seminar</p> <p style="text-align: center;"><b><u>ART</u></b></p> <p>0740 Art I 0741 Art II #</p> <p style="text-align: center;"><b><u>BUSINESS, COMPUTER, &amp; INFORMATION TECHNOLOGY</u></b></p> <p>0606 Accounting I 0607 CHS Financial Accounting # 0610 Basic Web Design (S) 0611 3D Anim. with Flash (S) 0612 Sports &amp; Ent. Mark. I (S) 0613 Sports &amp; Ent. Manag. I (S) 0614 Sports &amp; Ent. Mark. II (S) # 0615 Sports &amp; Ent. Manag. II (S) # 0618 Career &amp; Personal Success (S) 0619 Business Own. &amp; Entrep. (S) 0620 Fashion Merchandising (S) 0621 Digital Arts (S) 0622 Intro to Programming (S) 0630 AP Computer Sci Principles # 0632 AP Computer Science A #</p> <p style="text-align: center;"><b><u>Zulama Gaming Academy</u></b></p> <p>0650 Game Design (S) 0651 Mob. App &amp; Game Des. (S) # 0653 GameMaker Progr. I (S) # 0657 3D Modeling I (S) # 0658 3D Modeling II (S) #</p>	<p style="text-align: center;"><b><u>ENGINEERING &amp; TECHNOLOGY EDUCATION</u></b></p> <p>0700 Residential Construction (S) 0701 Commercial Construction (S) 0702 Transportation Tech. (S) 0703 Energy/Power Systems (S) # 0704 Graphic Design 0705 Multimedia Design 0706 Draw. &amp; Des. for Eng. &amp; Arch. 0708 CADD I # 0711 Manufacturing Technology I 0712 Manufacturing Tech. II # 0714 Intro to Engineering Design 0715 Principles of Engineering # 0716 Digital Electronics # 0717 Environ. Sustainability # 0718 Civil Engin. &amp; Arch. #</p> <p style="text-align: center;"><b><u>FAMILY &amp; CONSUMER SCIENCES</u></b></p> <p>0720 Intro to Culinary Arts (S1) 0721 Food for Today (S2) 0722 Art of Baking (S) 0723 World Cuisine (S) 0724 Food for Sport (S) 0725 Fin Lit: Surv Real World (S) 0726 Interior Design (S) 0727 Relation. &amp; Parenting (S) 0728 Dynamic Living</p> <p style="text-align: center;"><b><u>MEDIA ARTS</u></b></p> <p>0153 Introduction to Media Arts 0154 Media Arts II # 0162 Broadcast Journalism: WATV 0163 Acting &amp; Tech Theatre (6 Day) 0164 Acting &amp; Tech Theatre (3 Day) 0165 Act &amp; Tech Theat II (6 Day) # 0166 Act &amp; Tech Theat II (3 Day) # 0170 Yearbook I 0171 Yearbook II #</p>	<p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>0750 Band I (6 Day) 0751 Band I (3 Day) 0753 Band II (6 Day) 0754 Band II (3 Day) 0756 Band III (6 Day <b>by aud. only</b>) 0757 Band III (3 Day <b>by aud. only</b>) 0762 Jazz Studies: Vocal (6 Day) # 0763 Jazz Studies: Vocal (3 Day) # 0764 Jazz Studies: Instr. (6 Day) # 0765 Jazz Studies: Instr. (3 Day) # 0767 Beginning Piano (6 Day) 0768 Beginning Piano (3 Day) 0769 Beginning Guitar (6 Day) 0770 Beginning Guitar (3 Day) 0780 Chorus I (6 Day) 0781 Chorus I (3Day) 0783 Chorus II (6 Day) 0784 Chorus II (3 Day) 0789 Concert Chorale (<b>by aud only</b>) 0790 Music Composition 0791 Intro to Musical Theat. (6 Day) 0792 Intro to Musical Theat. (3 Day) 0793 Musical Theatre Prod. (6 Day) 0794 Musical Theatre Prod. (3 Day) 0795 Music Technology I (6 Day) 0796 Music Technology I (3 Day)</p> <p style="text-align: center;"><b><u>PHYSICAL EDUCATION &amp; HEALTH</u></b></p> <p>0820 Physical Conditioning</p> <p style="text-align: center;"><b><u>SCIENCE</u></b></p> <p>0422 Princ. of the Biomed Sci #</p> <p style="text-align: center;"><b><u>SOCIAL STUDIES</u></b></p> <p>V237 AP US History (WAVA)</p>	<p style="text-align: center;"><b><u>USMC JUNIOR ROTC</u></b></p> <p>0260 USMC Junior ROTC I 0261 USMC Junior ROTC II #</p> <p style="text-align: center;"><b><u>WORLD LANGUAGES</u></b></p> <p>0500 Spanish I 0501 Spanish II # 0502 Spanish III # 0520 German I 0521 German II # 0522 German III # V510 French I (WAVA) V511 French II (WAVA) # V512 French III (WAVA) # V525 Mand Chinese I (WAVA) V526 Mand Chinese II (WAVA) #</p> <p style="text-align: center;"><b><u>PARKWAY WEST CAREER &amp; TECHNOLOGY CENTER</u></b></p> <p>2501 Auto Body Technology 2502 Automotive Technology 2503 Constr. Tech Cluster (1<sup>st</sup> year) 2504 Building Construction Tech # 2505 Electrical Systems Tech # 2506 HVAC # 2507 Masonry # 2508 Welding Technology # 2509 Cosmetology 2510 Culinary Arts 2511 Health Assistant 2513 Digital Multimedia 2514 Information Tech Essentials 2515 Public Safety Technology 2516 Sports Medicine &amp; Rehab Therapy Tech 2517 Veterinary Technology</p>

By signing below, you acknowledge that you have reviewed your child's course selections and teacher recommendations for the 2017-2018 school year and have provided input accordingly. In the event that you disagree with a teacher's recommendation, please provide detailed comments below; your child's school counselor will be in contact to review the most appropriate course selection for your child.

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

Notes \_\_\_\_\_



# West Allegheny High School

## Course Scheduling Form: RISING JUNIORS



*Every student must schedule and maintain a minimum of 7.00 credits unless otherwise permitted by the principal through an approved academic plan. Be certain to review the requirements and prerequisites for the courses you are choosing.*

<b>Last Name:</b> <small>(Please print legibly)</small>				<b>First Name:</b> <small>(Please print legibly)</small>			
<b>Please select at least one Career and College Pathway:</b> <input type="checkbox"/> Arts & Communication <input type="checkbox"/> Career & Industry <input type="checkbox"/> Human & Public Services <input type="checkbox"/> Science & Health <input type="checkbox"/> Business & Finance <input type="checkbox"/> Computer Science <input type="checkbox"/> Pre-Engineering							
Potential Career Goal (if known):							
<b>English Language Arts</b> <small>minimum of 4 credits required for graduation</small>							
Student Requested Course:				Teacher Initials: 0121 College Readiness English 11 0122 AP English Language and Composition 0130 Career Readiness English ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:	Agree with Teacher Rec.	Disagree with Teacher Rec.					
<b>Mathematics</b> <small>minimum of 4 credits required for graduation unless attending Parkway</small>							
Student Requested Course:				Teacher Initials: 0315 Algebra II 0316 Algebra II with Lab 0317 Honors Algebra II 0319 Trigonometry/Precalculus 0320 Honors Trigonometry/Precalculus 0321 Discrete Math 0322 AP Calculus 0323 AP Statistics 0607 CHS Financial Accounting 0630 AP Computer Science Principles 0632 AP Computer Science A ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:	Agree with Teacher Rec.	Disagree with Teacher Rec.					
<b>Science</b> <small>minimum of 4 credits required for graduation unless attending Parkway</small>							
Student Requested Course:				Teacher Initials: 0404 Conceptual Chemistry 0405 Honors Chemistry with Lab 0406 Conceptual Physics 0407 Physics 0410 AP Biology 0411 AP Chemistry 0412 AP Physics 1 0413 AP Physics 2 ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:	Agree with Teacher Rec.	Disagree with Teacher Rec.					
<b>Social Studies</b> <small>1.00 Credit Required</small> <small>minimum of 4 credits required for graduation unless attending Parkway</small>							
Student Requested Course:				Teacher Initials: 0230 American Government 0231 Honors American Government 0232 AP Government & Politics V237 AP United States History (WAVA) 0238 AP World History 0240 AP Psychology 0242 AP Economics 0244 Honors Psychology (S-0.50) 0245 Honors Sociology (S-0.50) 0246 Honors Comparative Religions (S-0.50) 0247 Honors Holocaust and Genocide Studies (S-0.50) 0248 Introduction to Psychology (S-0.50) 0249 Current Affairs (S-0.50) 0250 Sociology of Sports (S-0.50) 0251 World Cultures (S-0.50) ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:	Agree with Teacher Rec.	Disagree with Teacher Rec.					
<b>Health &amp; Physical Education</b> <small>minimum of 2 credits required for graduation unless otherwise approved by Administration</small>							
Student Requested Course:				Teacher Initials: 0804 Team Sports 0805 Personal Fitness and Sport 0806 Games and Leisure Activities 0807 Aerobic Fitness 0808 Introduction to Coaching (S - 0.50) 0809 Becoming a Fitness Professional (S - 0.50) 0820 Physical Conditioning 0831 Exercise Science			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:	Agree with Teacher Rec.	Disagree with Teacher Rec.					

*A Tradition of Excellence...A Vision for Tomorrow*



# West Allegheny High School

## Course Scheduling Form: RISING JUNIORS



<b>Elective Offerings</b> <i>Any elective requiring prerequisites (denoted by #) must include teacher initials.</i> <i>Students may choose to take additional academic courses as electives.</i>			
<b>Electives Choices:</b> (in order of preference)	<b>Teacher Initials</b>	<b>Electives Choices:</b> (in order of preference)	<b>Teacher Initials</b>
1.		5.	
2.		6.	
3.		7.	
4.		8.	

<p style="text-align: center;"><b><u>AP CAPSTONE</u></b></p> <p>0200 AP Seminar</p> <p style="text-align: center;"><b><u>ART</u></b></p> <p>0740 Art I 0741 Art II # 0742 Art III #</p> <p style="text-align: center;"><b><u>BUSINESS, COMPUTER, &amp; INFORMATION TECHNOLOGY</u></b></p> <p>0606 Accounting I 0607 CHS Financial Accounting # 0610 Basic Web Design (S) 0611 3D Anim. with Flash (S) 0612 Sports &amp; Ent. Mark. I (S) 0613 Sports &amp; Ent. Manag. I (S) 0614 Sports &amp; Ent. Mark. II (S) # 0615 Sports &amp; Ent. Manag. II (S) # 0618 Career &amp; Personal Success (S) 0619 Business Own. &amp; Entrep. (S) 0620 Fashion Merchandising (S) 0621 Digital Arts (S) 0622 Intro to Programming (S) 0630 AP Computer Sci Principles # 0632 AP Computer Science A # 0634 Adv Prog/ Android Ap Dev #</p> <p style="text-align: center;"><b><u>Zulama Gaming Academy</u></b></p> <p>0650 Game Design (S) 0651 Mob. App &amp; Game Des. (S) # 0653 GameMaker Progr. I (S) # 0654 GameMaker Progr. II (S) # 0656 Unity 3D Programming (S) # 0657 3D Modeling I (S) # 0658 3D Modeling II (S) # V659 3D Modeling III (S-WAVA) # 0660 Game Prod. &amp; Market.(S) # 0661 Real World Projects (S) #</p> <p style="text-align: center;"><b><u>ENGLISH LANGUAGE ARTS</u></b></p> <p>0150 Creative Writing (S) # 0151 Public Speaking (S) #</p>	<p style="text-align: center;"><b><u>ENGINEERING &amp; TECHNOLOGY EDUCATION</u></b></p> <p>0700 Residential Construction (S) 0701 Commercial Construction (S) 0702 Transportation Tech. (S) 0703 Energy/Power Systems (S) # 0704 Graphic Design 0705 Multimedia Design 0706 Draw. &amp; Des. for Eng. &amp; Arch. 0708 CADD I # 0709 CADD II # 0711 Manufacturing Technology I 0712 Manufacturing Tech. II # 0714 Intro to Engineering Design 0715 Principles of Engineering # 0716 Digital Electronics # 0717 Environ. Sustainability # 0718 Civil Engin. &amp; Arch. # 0719 Engin. Design &amp; Dev. #</p> <p style="text-align: center;"><b><u>FAMILY &amp; CONSUMER SCIENCES</u></b></p> <p>0720 Intro to Culinary Arts (S1) 0721 Food for Today (S2) 0722 Art of Baking (S) 0723 World Cuisine (S) 0724 Food for Sport (S) 0725 Fin Lit: Surv Real World (S) 0726 Interior Design (S) 0727 Relation. &amp; Parenting (S) 0728 Dynamic Living 0732 Child Development</p> <p style="text-align: center;"><b><u>MEDIA ARTS</u></b></p> <p>0153 Introduction to Media Arts 0154 Media Arts II # 0155 Media Arts III # 0162 Broadcast Journalism: WATV 0163 Acting &amp; Tech Theatre (6 Day) 0164 Acting &amp; Tech Theatre (3 Day) 0165 Act &amp; Tech Theat II(6 Day) # 0166 Act &amp; Tech Theat II (3 Day) # 0170 Yearbook I 0171 Yearbook II # 0172 Yearbook III #</p>	<p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>0750 Band I (6 Day) 0751 Band I (3 Day) 0753 Band II (6 Day) 0754 Band II (3 Day) 0756 Band III (6 Day <b>by aud. only</b>) 0757 Band III (3 Day <b>by aud. only</b>) 0762 Jazz Studies: Vocal (6 Day) # 0763 Jazz Studies: Vocal (3 Day) # 0764 Jazz Studies: Instr. (6 Day) # 0765 Jazz Studies: Instr. (3 Day) # 0767 Beginning Piano (6 Day) 0768 Beginning Piano (3 Day) 0769 Beginning Guitar (6 Day) 0770 Beginning Guitar (3 Day) 0780 Chorus I (6 Day) 0781 Chorus I (3Day) 0783 Chorus II (6 Day) 0784 Chorus II (3 Day) 0786 Chorus III (6 Day <b>by aud.</b>) 0787 Chorus III (3 Day <b>by aud.</b>) 0789 Concert Chorale (<b>by aud only</b>) 0790 Music Composition 0791 Intro to Musical Theat. (6 Day) 0792 Intro to Musical Theat. (3 Day) 0793 Musical Theatre Prod. (6 Day) 0794 Musical Theatre Prod. (3 Day) 0795 Music Technology I (6 Day) 0796 Music Technology I (3 Day)</p> <p style="text-align: center;"><b><u>SCIENCE</u></b></p> <p>0408 Forensic Science # 0409 Anatomy and Physiology # 0410 AP Biology # 0411 AP Chemistry # 0413 AP Physics 2 # 0422 Princ. of the Biomed Sci # 0423 Human Body Systems # 0424 Medical Interventions #</p>	<p style="text-align: center;"><b><u>USMC JUNIOR ROTC</u></b></p> <p>0260 USMC Junior ROTC I 0261 USMC Junior ROTC II # 0262 USMC Junior ROTC III #</p> <p style="text-align: center;"><b><u>WORLD LANGUAGES</u></b></p> <p>0500 Spanish I 0501 Spanish II # 0502 Spanish III # 0503 Spanish IV # 0513 French IV # 0520 German I 0521 German II # 0522 German III # 0523 German IV # V510 French I (WAVA) V511 French II (WAVA) # V512 French III (WAVA) # V525 Mand Chinese I (WAVA) V526 Mand Chinese II (WAVA) # V527 Mand Chinese III (WAVA) #</p> <p style="text-align: center;"><b><u>PARKWAY WEST CAREER &amp; TECHNOLOGY CENTER</u></b></p> <p>2501 Auto Body Technology 2502 Automotive Technology 2503 Constr. Tech Cluster (1<sup>st</sup> year) 2504 Building Construction Tech # 2505 Electrical Systems Tech # 2506 HVAC/R # 2507 Masonry # 2508 Welding Technology # 2509 Cosmetology 2510 Culinary Arts 2511 Health Assistant 2513 Digital Multimedia 2514 Information Tech Essentials 2515 Public Safety Technology 2516 Sports Medicine &amp; Rehab Therapy Tech 2517 Veterinary Technology</p>
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By signing below, you acknowledge that you have reviewed your child's course selections and teacher recommendations for the 2017-2018 school year and have provided input accordingly. In the event that you disagree with a teacher's recommendation, please provide detailed comments below; your child's school counselor will be in contact to review the most appropriate course selection for your child.

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# West Allegheny High School

## Course Scheduling Form: RISING SENIORS



*Every student must schedule and maintain a minimum of 7.00 credits unless otherwise permitted by the principal through an approved academic plan. Be certain to review the requirements and prerequisites for the courses you are choosing.*

<b>Last Name:</b> <small>(Please print legibly)</small>				<b>First Name:</b> <small>(Please print legibly)</small>			
<b>Please select at least one Career and College Pathway:</b>							
<input type="checkbox"/> Arts and Communication		<input type="checkbox"/> Career and Industry		<input type="checkbox"/> Human and Public Services		<input type="checkbox"/> Science and Health	
<input type="checkbox"/> Business and Finance		<input type="checkbox"/> Computer Science		<input type="checkbox"/> Pre-Engineering			
Potential Career Goal (if known):							
<b>English Language Arts</b> <small>minimum of 4 credits required for graduation</small>							
Student Requested Course:				<b>Teacher Initials:</b> 0122 AP English Language and Composition 0130 Career Readiness English 0131 College Readiness English 12 0132 AP English Literature and Composition ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:		<input type="checkbox"/> Agree with Teacher Rec. <input type="checkbox"/> Disagree with Teacher Rec.					
<b>Mathematics</b> <small>minimum of 4 credits required for graduation unless attending Parkway</small>							
Student Requested Course:				<b>Teacher Initials:</b> 0319 Trigonometry/Precalculus 0320 Honors Trigonometry/Precalculus 0321 Discrete Math 0322 AP Calculus 0323 AP Statistics 0607 CHS Financial Accounting 0630 AP Computer Science Principles 0632 AP Computer Science A ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:		<input type="checkbox"/> Agree with Teacher Rec. <input type="checkbox"/> Disagree with Teacher Rec.					
<b>Science</b> <small>minimum of 4 credits required for graduation unless attending Parkway</small>							
Student Requested Course:				<b>Teacher Initials:</b> 0408 Forensic Science 0409 Anatomy and Physiology 0410 AP Biology 0411 AP Chemistry 0412 AP Physics 1 0413 AP Physics 2 0422 Principles of the Biomedical Sciences 0423 Human Body Systems 0424 Medical Interventions 0716 Digital Electronics 0717 Environmental Sustainability 0718 Civil Engineering & Architecture 0719 Engineering Design and Development ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:		<input type="checkbox"/> Agree with Teacher Rec. <input type="checkbox"/> Disagree with Teacher Rec.					
<b>Social Studies</b> <small>1.00 Credit Required</small> <small>minimum of 4 credits required for graduation unless attending Parkway</small>							
Student Requested Course:				<b>Teacher Initials:</b> 0232 AP Government & Politics V237 AP United States History (WAVA) 0238 AP World History 0240 AP Psychology 0242 AP Economics 0244 Honors Psychology (S-0.50) 0245 Honors Sociology (S-0.50) 0246 Honors Comparative Religions (S-0.50) 0247 Honors Holocaust and Genocide Studies (S-0.50) 0248 Introduction to Psychology (S-0.50) 0249 Current Affairs (S-0.50) 0250 Sociology of Sports (S-0.50) 0251 World Cultures (S-0.50) 0263 USMC Junior ROTC IV 0502 Spanish III 0503 Spanish IV 0504 AP Spanish Lang. & Culture V512 French III (WAVA ONLY) 0513 French IV 0514 AP French Lang. & Culture 0522 German III 0523 German IV 0524 AP German Lang. & Culture V527 Mandarin Chinese III (WAVA ONLY) ____ Other Approved Course			
Teacher Recommendation:			Same as student				
Parent Acknowledgement:		<input type="checkbox"/> Agree with Teacher Rec. <input type="checkbox"/> Disagree with Teacher Rec.					
<b>Health &amp; Physical Education</b> <small>minimum of 2 credits required for graduation unless otherwise approved by Administration</small>							
Student Requested Course:				<b>Teacher Initials:</b> 0804 Team Sports 0805 Personal Fitness and Sport 0806 Games and Leisure 0807 Aerobic Fitness 0808 Introduction to Coaching (S - 0.50)			
Teacher Recommendation:			Same as student				



# West Allegheny High School

## Course Scheduling Form: RISING SENIORS



Parent Acknowledgement:	Agree with Teacher Rec.	Disagree with Teacher Rec.		0809 Becoming a Fitness Professional (S – 0.50) 0820 Physical Conditioning 0831 Exercise Science
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<b>Elective Offerings</b> <i>Any elective requiring prerequisites (denoted by #) must include teacher initials.</i> Students may choose to take additional academic courses as electives.			
Electives Choices: (in order of preference)	Teacher Initials	Electives Choices: (in order of preference)	Teacher Initials
1.		5.	
2.		6.	
3.		7.	
4.		8.	

<p style="text-align: center;"><b><u>AP CAPSTONE</u></b></p> <p>0200 AP Seminar</p> <p style="text-align: center;"><b><u>ART</u></b></p> <p>0740 Art I 0741 Art II # 0742 Art III #</p> <p style="text-align: center;"><b><u>BUSINESS, COMPUTER, &amp; INFORMATION TECHNOLOGY</u></b></p> <p>0606 Accounting I 0607 CHS Financial Accounting # 0610 Basic Web Design (S) 0611 3D Anim. with Flash (S) 0612 Sports &amp; Ent. Mark. I (S) 0613 Sports &amp; Ent. Manag. I (S) 0614 Sports &amp; Ent. Mark. II (S) # 0615 Sports &amp; Ent. Manag. II (S) # 0618 Career &amp; Personal Success (S) 0619 Business Own. &amp; Entrep. (S) 0620 Fashion Merchandising (S) 0621 Digital Arts (S) 0622 Intro to Programming (S) 0630 AP Computer Sci Principles # 0632 AP Computer Science A # 0634 Adv Prog/ Android Ap Dev #</p> <p style="text-align: center;"><b><u>Zulama Gaming Academy</u></b></p> <p>0650 Game Design (S) 0651 Mob. App &amp; Game Des. (S) # 0653 GameMaker Progr. I (S) # 0654 GameMaker Progr. II (S) # 0656 Unity 3D Programming (S) # 0657 3D Modeling I (S) # 0658 3D Modeling II (S) # V659 3D Modeling III (S-WAVA) # 0660 Game Prod. &amp; Market.(S) # 0661 Real World Projects (S) #</p> <p style="text-align: center;"><b><u>ENGLISH LANGUAGE ARTS</u></b></p> <p>0150 Creative Writing (S) # 0151 Public Speaking (S) #</p>	<p style="text-align: center;"><b><u>ENGINEERING &amp; TECHNOLOGY EDUCATION</u></b></p> <p>0700 Residential Construction (S) 0701 Commercial Construction (S) 0702 Transportation Tech. (S) 0703 Energy/Power Systems (S) # 0704 Graphic Design 0705 Multimedia Design 0706 Draw. &amp; Des. for Eng. &amp; Arch. 0708 CADD I # 0709 CADD II # 0711 Manufacturing Technology I 0712 Manufacturing Tech. II # 0714 Intro to Engineering Design 0715 Principles of Engineering # 0716 Digital Electronics # 0717 Environ. Sustainability # 0718 Civil Engin. &amp; Arch. # 0719 Engin. Design &amp; Dev. #</p> <p style="text-align: center;"><b><u>FAMILY &amp; CONSUMER SCIENCES</u></b></p> <p>0720 Intro to Culinary Arts (S1) 0721 Food for Today (S2) 0722 Art of Baking (S) 0723 World Cuisine (S) 0724 Food for Sport (S) 0725 Fin Lit: Surv Real World (S) 0726 Interior Design (S) 0727 Relation. &amp; Parenting (S) 0728 Dynamic Living 0732 Child Development</p> <p style="text-align: center;"><b><u>MEDIA ARTS</u></b></p> <p>0153 Introduction to Media Arts 0154 Media Arts II # 0155 Media Arts III # 0162 Broadcast Journalism: WATV 0163 Acting &amp; Tech Theatre (6 Day) 0164 Acting &amp; Tech Theatre (3 Day) 0165 Act &amp; Tech Theat II(6 Day) # 0166 Act &amp; Tech Theat II (3 Day) # 0170 Yearbook I 0171 Yearbook II # 0172 Yearbook III #</p>	<p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>0750 Band I (6 Day) 0751 Band I (3 Day) 0753 Band II (6 Day) 0754 Band II (3 Day) 0756 Band III (6 Day <b>by aud. only</b>) 0757 Band III (3 Day <b>by aud. only</b>) 0762 Jazz Studies: Vocal (6 Day) # 0763 Jazz Studies: Vocal (3 Day) # 0764 Jazz Studies: Instr. (6 Day) # 0765 Jazz Studies: Instr. (3 Day) # 0767 Beginning Piano (6 Day) 0768 Beginning Piano (3 Day) 0769 Beginning Guitar (6 Day) 0770 Beginning Guitar (3 Day) 0780 Chorus I (6 Day) 0781 Chorus I (3Day) 0783 Chorus II (6 Day) 0784 Chorus II (3 Day) 0786 Chorus III (6 Day <b>by aud.</b>) 0787 Chorus III (3 Day <b>by aud.</b>) 0789 Concert Chorale (<b>by aud only</b>) 0790 Music Composition 0791 Intro to Musical Theat. (6 Day) 0792 Intro to Musical Theat. (3 Day) 0793 Musical Theatre Prod. (6 Day) 0794 Musical Theatre Prod. (3 Day) 0795 Music Technology I (6 Day) 0796 Music Technology I (3 Day)</p> <p style="text-align: center;"><b><u>SCIENCE</u></b></p> <p>0408 Forensic Science # 0409 Anatomy and Physiology # 0410 AP Biology # 0411 AP Chemistry # 0413 AP Physics 2 # 0422 Princ. of the Biomed Sci # 0423 Human Body Systems # 0424 Medical Interventions #</p>	<p style="text-align: center;"><b><u>USMC JUNIOR ROTC</u></b></p> <p>0260 USMC Junior ROTC I 0261 USMC Junior ROTC II # 0262 USMC Junior ROTC III #</p> <p style="text-align: center;"><b><u>WORLD LANGUAGES</u></b></p> <p>0500 Spanish I 0501 Spanish II # 0502 Spanish III # 0503 Spanish IV # 0513 French IV # 0520 German I 0521 German II # 0522 German III # 0523 German IV # V510 French I (WAVA) V511 French II (WAVA) # V512 French III (WAVA) # V525 Mand Chinese I (WAVA) V526 Mand Chinese II (WAVA) # V527 Mand Chinese III (WAVA) #</p> <p style="text-align: center;"><b><u>PARKWAY WEST CAREER &amp; TECHNOLOGY CENTER</u></b></p> <p>2501 Auto Body Technology 2502 Automotive Technology 2503 Constr. Tech Cluster (1<sup>st</sup> year) 2504 Building Construction Tech # 2505 Electrical Systems Tech # 2506 HVAC/R # 2507 Masonry # 2508 Welding Technology # 2509 Cosmetology 2510 Culinary Arts 2511 Health Assistant 2513 Digital Multimedia 2514 Information Tech Essentials 2515 Public Safety Technology 2516 Sports Medicine &amp; Rehab Therapy Tech 2517 Veterinary Technology</p>
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By signing below, you acknowledge that you have reviewed your child's course selections and teacher recommendations for the 2017-2018 school year and have provided input accordingly. In the event that you disagree with a teacher's recommendation, please provide detailed comments below; your child's school counselor will be in contact to review the most appropriate course selection for your child.

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

Notes \_\_\_\_\_



**West Allegheny High School**  
**Course Scheduling Form: RISING SENIORS**



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# **APPENDIX B:**

# **ACADEMIC PLANNING WORKSHEET**

# ACADEMIC PLANNING WORKSHEET

This worksheet is designed to be helpful in the planning of your high school program. Please review the graduation requirements for your class year. **It is the responsibility of students and parents to know the requirements for promotion and graduation and to make plans accordingly. Please consult with your assigned school counselor to address any questions or concerns regarding academic planning and a student's status toward completion of all graduation requirements.**

- Every student must schedule a minimum of **7.00** credits unless otherwise permitted by the principal through an approved academic plan.
- To assist with your course selection process, enter the course number/course title/credits exactly as listed in the program of studies.
- Be certain you have reviewed all the requirements and prerequisites for the courses you are selecting. If you have any questions about course requirements and prerequisites, be sure to see your teacher, counselor, or principal.

GRADE 9			GRADE 10		
COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
		TOTAL CREDITS			TOTAL CREDITS

# ACADEMIC PLANNING WORKSHEET

This worksheet is designed to be helpful in the planning of your high school program. Please review the graduation requirements for your class year. **It is the responsibility of students and parents to know the requirements for promotion and graduation and to make plans accordingly.** Please consult with your assigned school counselor to address any questions or concerns regarding academic planning and a student's status toward completion of all graduation requirements.

[illegible]

**APPENDIX C:**  
**ACADEMIC WAIVER FORM**



# WEST ALLEGHENY SCHOOL DISTRICT

A Tradition of Excellence . . . A Vision for Tomorrow

## **ACADEMIC WAIVER REQUEST**

*Certain courses at West Allegheny High School have prerequisites or other academic guidelines that are made to try to assure success in a course that is scheduled for the next year. Course recommendations are determined based on multiple factors including current and past grades and standardized test scores, as well as work ethic and motivation displayed in class (i.e. homework completion and class participation).*

*If a parent believes that a student can be successful in a course that the student is not recommended for, he/she may submit a waiver request to the building principals for review.*

*Submission of an Academic Waiver Request does not guarantee the class will be added or changed. Requests will be reviewed by an administrator, and you will be notified of the decision.*

**STUDENT NAME:** \_\_\_\_\_ Present grade level \_\_\_\_\_

Course recommended by teacher: \_\_\_\_\_

Counselor's Signature: \_\_\_\_\_

**Course requested by parent:** \_\_\_\_\_

*If this class is replacing an existing course request, please list the class that is to be removed from your schedule to fit this class.*

\_\_\_\_\_

Current Academic Course \_\_\_\_\_ Grades 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_ 4<sup>th</sup> \_\_\_\_\_ Final \_\_\_\_\_

Prior Prerequisite Course (if applicable) \_\_\_\_\_ Final Grade \_\_\_\_\_

Prior Prerequisite Course (If applicable) \_\_\_\_\_ Final Grade \_\_\_\_\_

### **To be completed by the student:**

*Briefly describe why you are requesting a course for which you were not recommended or for which you do not have the prerequisite(s).*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*What caused you not to not be recommended and/or earn the required prerequisites?*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*What strategies do you plan on putting in place to be successful in your requested course, if approved?*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ALL WAIVER REQUESTS MUST BE SUBMITTED BY JULY 14, 2017**

Parent's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(See reverse side)

**When submitting a Waiver Request Form, please keep the following in mind:**

- ❖ Academic level CHANGE REQUESTS to move to a **higher** level course will be considered from the first day of school through the twelfth day of school.
- ❖ Academic level CHANGE REQUESTS to move to a **lower** level course will be considered after the progress report of the first marking period through two weeks past the end of the first marking period.
- ❖ **ANY TIME AN ACADEMIC LEVEL is changed to a lower level the original course WILL appear on the student's transcript with a "W", but the "W" will not affect the student's GPA.** Students are responsible for making up any missed work in the new course.
- ❖ **NO LEVEL CHANGES WILL BE MADE AFTER TWO WEEKS PAST THE END OF THE FIRST MARKING PERIOD.**
- ❖ After the first nine weeks of school through the end of the year, students may request to drop a course and replace it with a study hall. **IF the request is approved, the student will receive a grade of "WF" for Withdrawal/Fail in the original course. The "WF" will be averaged into the student's GPA as a failing grade. Dropping a course requires administrative approval.**

**SEE PROGRAM OF STUDIES BOOK FOR COMPLETE SCHEDULE CHANGE PROCEDURES**

Principal Signature\_\_\_\_\_

Date\_\_\_\_\_

☐ APPROVED

☐ NOT APPROVED

**APPENDIX D:**  
**DUAL ENROLLMENT/WORK RELEASE**  
**APPLICATION**

# WEST ALLEGHENY HIGH SCHOOL

## DUAL ENROLLMENT/WORK RELEASE

### Guidelines

In the 2017-2018 school year, senior students will be eligible for early release based on employment and dual enrollment only. Junior students are eligible for early release for dual enrollment purposes only. The early release program will only be used for students who are making adequate progress toward graduation requirements and whose class schedule permits the early dismissal.

**Situation #1: DUAL ENROLLMENT (or other College/University class) – (junior/senior eligible)**  
CRITERIA:

- Student is enrolled in at least one class through the dual enrollment program (or another administratively approved College or University Program).
- The student's files a copy of semester class schedule with his/her school counselor.

**Situation #2: WORK RELEASE (seniors only)**  
CRITERIA:

- Student is employed 10 or more hours a week at a place of employment.
- Student files a copy of his/her place of employment with name of manager and phone number for contact with their school counselor. Students must submit, to their school counselor, their work schedule or a copy of their pay stub on a monthly basis.

**TERMINATION POLICY:** If release time is granted and the student's employment or college classes cease for any reason, then the student must notify the school and return to full time attendance at WAHS immediately. If a student is failing classes, defaulting on Keystone Exam proficiency or the Senior Project then release time will be terminated. Student progress will be monitored monthly for continued employment or college attendance.

# WEST ALLEGHENY HIGH SCHOOL

## DUAL ENROLLMENT

### **Student Information**

Full Name: \_\_\_\_\_ Grade: \_\_\_\_\_  
Street Address: \_\_\_\_\_ Home Phone #: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ Cell #: \_\_\_\_\_

### **Dual Enrollment Information**

Name of College: \_\_\_\_\_ School Counselor: \_\_\_\_\_  
Class Enrolled: \_\_\_\_\_ Semester: Fall or Spring (circle one)  
Class Enrolled: \_\_\_\_\_ Semester: Fall or Spring (circle one)

### **Student Agreement**

*I agree to submit all of the required paperwork for dual enrollment and file a copy of my class schedule in the guidance office. I will make all of the necessary appointments and adjustments with the guidance office if my schedule changes. I recognize that failure to notify my changes or to return to school will result in removal from the Early Release Program and/or the Dual Enrollment Program.*

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### **Parent/Guardian Information**

Full Name: \_\_\_\_\_ Relationship: \_\_\_\_\_

### **Parent Agreement**

*I grant permission for my son/daughter to be released from school early while in the Dual Enrollment Program. I recognize that failure to notify of changes or to return to school will result in removal from the Early Release Program and/or the Dual Enrollment Program.*

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# WEST ALLEGHENY HIGH SCHOOL

## WORK RELEASE

### Student Information

Full Name: \_\_\_\_\_ Grade: \_\_\_\_\_  
Street Address: \_\_\_\_\_ Home Phone #: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ Cell #: \_\_\_\_\_

### Student Agreement

*I agree to submit all of the required paperwork and file a copy of my work schedule monthly in the guidance office. I will make all of the necessary appointments and adjustments with the guidance office if my work schedule changes. I agree to work 10 or more hours per week at my place of employment and I recognize that failure to do so will result in removal from the Early Release Program.*

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### Parent/Guardian Information

Full Name: \_\_\_\_\_ Relationship: \_\_\_\_\_  
Home Phone #: \_\_\_\_\_ Cell #: \_\_\_\_\_

### Parent Agreement

*I grant permission for my son/daughter to be released from school early while in the work release program. I understand that they must work 10 or more hours per week at an approved place of employment and I recognize that failure to do so will result in removal from the Early Release Program.*

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### Employer Information

Name of Business: \_\_\_\_\_ Supervisor: \_\_\_\_\_  
Street Address: \_\_\_\_\_ Phone #: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ Cell #: \_\_\_\_\_

### Employer Agreement

*I agree to employ the above named student for 10 or more hours per week at my place of employment and recognize that failure to do so will result in his/her removal from the Early Release Program.*

Employer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

-----Administrative Approval-----

Approved \_\_\_\_\_ Not Approved \_\_\_\_\_ Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Notes \_\_\_\_\_

**APPENDIX E:**  
**SCHEDULE CHANGE REQUEST FORM**



# WEST ALLEGHENY HIGH SCHOOL

## SCHEDULE CHANGE REQUEST FORM



STUDENT NAME: \_\_\_\_\_ GRADE: \_\_\_\_\_

CLASS(ES) STUDENT WOULD LIKE TO TRY TO DROP:

\_\_\_\_\_

☐ TEACHER AGREES TEACHER INITIALS  
☐ TEACHER DISAGREES\* \_\_\_\_\_

CLASS(ES) STUDENT WOULD LIKE TO TRY TO ADD:

\_\_\_\_\_

☐ TEACHER AGREES TEACHER INITIALS  
☐ TEACHER DISAGREES\* \_\_\_\_\_

☐ TEACHER AGREES TEACHER INITIALS  
☐ TEACHER DISAGREES\* \_\_\_\_\_

☐ TEACHER AGREES TEACHER INITIALS  
☐ TEACHER DISAGREES\* \_\_\_\_\_

**\*TEACHER COMMENTS (required if teacher(s) disagrees):** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**PARENT NAME (please print):** \_\_\_\_\_

**PARENT SIGNATURE:** \_\_\_\_\_

**DATE SIGNED BY PARENT:** \_\_\_\_\_

**DATE REQUEST SUBMITTED TO GUIDANCE:** \_\_\_\_\_

**\*\*STUDENTS MAY NOT REQUEST A SPECIFIC LUNCH PERIOD OR A SPECIFIC TEACHER.**

**\*\*TO REQUEST A CHANGE FOR ANY CLASS STUDENTS MUST HAVE THIS FORM SIGNED BY THEIR PARENT/GUARDIAN AND HAVE THE TEACHER BOX CHECKED AND INITIALED.**

**\*\*PLEASE BE PATIENT – EACH STUDENT’S COUNSELOR WILL REVIEW SCHEDULE CHANGE REQUESTS AS SOON AS POSSIBLE. NOT ALL REQUESTS TO CHANGE A SCHEDULE WILL BE GRANTED. STUDENTS SHOULD NOT GO TO THE NEW CLASS(ES) UNTIL THE SCHEDULE HAS BEEN OFFICIALLY CHANGED BY THE SCHOOL COUNSELOR.**

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GUIDANCE OFFICE USE ONLY

DATE OF CHANGE: \_\_\_\_\_ NO CHANGE MADE/REASON: \_\_\_\_\_ COUNSELOR INITIALS: \_\_\_\_\_



# WEST ALLEGHENY HIGH SCHOOL

## SCHEDULE CHANGE REQUEST FORM



### **ELECTIVE CHANGE PROCEDURE**

1. Elective CHANGE REQUESTS for full year and first semester courses will be considered for the first 6 day rotation of the school year ONLY. Second semester elective change requests will be considered for the first 6 days of the second semester. Elective change requests require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form. Approval of the change does not guarantee that a change can be made. Changes will be made ONLY if they do not overload ANY other classes.
2. The original elective course will be dropped and will NOT appear on the student's transcript.
3. Students are responsible for making up any missed work in the new elective course.

### **ACADEMIC LEVEL CHANGE PROCEDURES**

1. Academic level CHANGE REQUESTS to move to a **higher** level course will be considered from the first day of school through the twelfth day of school.
2. Academic level CHANGE REQUESTS to move to a **lower** level course will be considered after the progress report of the first marking period through two weeks past the end of the first marking period.
3. Students are required to work to their fullest potential prior to making a request for any schedule change. Students must demonstrate that they have attempted to fulfill all course expectations, e.g., completion of all assignments, seeking extra help, and have met all other conditions established by the teacher.
4. No academic level change will be considered without teacher input. If both the teacher and parent agree to the change, it will be considered. When a teacher determines it is in the student's best interest to remain in the course, a parent conference must be held before any further consideration is given to the request. Some changes may require administrative approval.
5. All academic level change requests require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form. Approval of the change does not guarantee that a change can be made. Changes will be made ONLY if they do not overload ANY other classes.
6. **ANY TIME AN ACADEMIC LEVEL is changed to a lower level the original course WILL appear on the student's transcript with a "W", but the "W" will not affect the student's GPA.** Students are responsible for making up any missed work in the new course.
7. NO level changes will be allowed after two weeks past the end of the first marking period.

### **DROPPING COURSES**

- **STUDENTS MUST EXERCISE CAUTION BEFORE DROPPING COURSES TO ENSURE THAT GRADUATION, FUTURE GOAL, AND NCAA REQUIREMENTS ARE BEING MET.**
  - **STUDENTS MUST MAINTAIN A MINIMUM OF 7.00 CREDITS PER YEAR UNLESS OTHERWISE PERMITTED BY THE PRINCIPAL THROUGH AN APPROVED ACADEMIC PLAN.**
1. During the first nine weeks of school, students may request to drop a course and replace it with a study hall. **IF the request is approved, the original course will remain on the student's transcript with a "W", but the "W" will not affect the student's GPA. Dropping a course requires administrative approval.**
  2. After the first nine weeks of school through the end of the year, students may request to drop a course and replace it with a study hall. **IF the request is approved, the student will receive a grade of "WF" for Withdrawal/Fail in the original course. The "WF" will be averaged into the student's GPA as a failing grade. Dropping a course requires administrative approval.**
  3. All requests to drop a course require a parent signature and must be submitted to the high school Guidance Office via the official schedule change request form. **Dropping a course requires administrative approval.**