LOYALSOCK TOWNSHIP HIGH SCHOOL

COURSE SELECTION GUIDE

2018-19

The electronic version of this document is located at www.loyalsocklancers.org

Throughout this document, a ★ includes a brief video link to a course description.

Revised April, 2018

Purpose of this Guide

This course selection guide serves as one of the primary tools for guiding Loyalsock students toward their eventual post-secondary school goals. The courses listed exist as the vehicle in which students will strive to reach their greatest potential in a variety of content areas. We are proud to offer a wide array of coursework to meet the needs of a diverse set of learners. Coupled with sound teaching and learning practices that students will experience, we firmly believe that we are preparing Loyalsock students for virtually any future they choose to pursue. Please take your time and reflect on the required courses and elective opportunities as you peruse this guide.

Schedule Change Policy and Procedure

Students wishing to make changes to their schedule for the upcoming school year should do so by no later than **AUGUST 15th of the given academic year.** An appointment with the respective school counselor should be made via email, phone call, or physical visit. (Exceptions will be made only for extenuating circumstances; i.e., new students, family emergencies, upgrading to a more rigorous course, etc.). **Specifically, if a student wishes to drop an AP/College course after the designated Drop/Add period, the following are the options the student may choose:**

1. Choose another AP course currently offered or a similar college level course (if eligible) without penalty.
2. Withdraw/failure (WD/F) from the course. This grade will be listed on the student's transcript and calculates as a 60, even if prior to the start of the course. The student may then take another course, pending it fits into his/her schedule.
3. Student is failing/borderline failing the current AP course and the classroom teacher recommends for the student to drop the AP course. The course grade will exist as the average of the course to that date.

As required of many colleges/universities to which the student has already applied and/or been accepted, updated transcripts will be sent to the college/university to which the student has applied or been accepted.

Course Selection

It is very important that students consult parents/guardians, teacher(s), and school counselor while selecting courses and complete the course selection form. *It is helpful and necessary to talk with your current teachers and teachers whose courses you may plan on taking about next year's courses*. **Honors and AP course selection requires teacher recommendation to indicate that a student is aware of rigorous expectations associated with a course.**

Please be very careful making course selections. **In order to change a course, after the Course Selection process has been completed, it shall be necessary for a parent or guardian to come to school for a conference.**

Each student must choose eight (8) major subjects and an alternate.

Class Rank

Class rank is a procedure by which the quality of a student's work is compared with that of his/ her classmates. It is usually expressed as a fraction. For example, a class rank of 12/120 indicates that a student is twelfth from the top in a class of 120. At LTHS, class rank is calculated using a formula that recognizes both achievement, grade, and challenge level of courses. Achievement is determined by the final grade earned in each course. Challenge is determined by the weight of the course which reflects the academic rigor and the value assigned (Academic,

Honors, AP/College) to each course. ***Final class rank is calculated at the end of each year.*** It is cumulative, incorporating all work done by the student since entry into the high school (grades 9-12).

Requirements for Graduation

Students are required to earn 28 credits, which must include the following courses for graduation from Loyalsock Township HS. Graduation requirements apply to all students unless determined otherwise by an IEP team in compliance with the Individuals with Disabilities Education Act (IDEA).

GRADUATION REQUIREMENTS	
Subject Area	**Required # of Courses**
English	4.0
Mathematics	4.0
Science	3.0/4.0 (depends on post-secondary plans)
Social Studies	4.0
Physical Education/Health	2.0 – 3.0 (depends on graduating class)
Freshmen Seminar	1.0
Senior Seminar	.5
Electives	Multiple

Course Level Descriptions

LTHS utilizes a 100-point cumulative weighted average system (CWA). GPA is derived from the CWA. The following is a description of the identified course levels.

Academic (Weight = 1.0)

Most of the coursework offered at Loyalsock Township High School is considered an academic level. Courses at this level are considered rigorous, but are not at the pace and level of honors and/or AP/college level. Academic courses will prepare any student for a comprehensive two or four-year college program as well as any other post-secondary career focus, including serving in our nation's military.

Honors (Weight – 1.04)

Specific coursework that is considered to be more rigorous than Academic coursework, but not quite at the level of AP (Advanced Placement) coursework, is designated at the honors level. These courses will be taught at an **accelerated level**. Such courses often require at least 1-hour minimum per night of extra study/homework completion. Students who seek such coursework must be organized and realize the work ethic required to be successful in such coursework. Like Loyalsock's academic courses, honors courses will also prepare any student for a comprehensive two or four-year college program as well as any other post-secondary career focus.

Advanced Placement (AP) / College Course (Weight – 1.08)

AP courses taken at LTHS and College level courses through specific vendors are within a prescribed, scripted curriculum defined by the College Board and the respective college/university. **AP courses are the most challenging/rigorous courses** offered at Loyalsock which is applied to a student's rank and GPA. Students who are able to take college courses as a Loyalsock student will also earn a weighted multiplier of 1.08. Loyalsock offers more than a dozen AP courses, with several more available on-line through our virtual education program. AP coursework requires students to be highly motivated, organized, and capable of spending 1-2 hours of extra study/homework completion per evening. **It is highly recommended that students who choose to take AP coursework also take the requisite AP exam in May of the given school year**. *It should be noted that the school district pays the entire AP exam cost for each student*; therefore, there is no disadvantage to a student's taking the respective exam.

***** Students who select AP Courses have entered into an agreement and may not drop the course for the given school year after August 15.** ***

Core Course Sequencing (by Grade Level) and Educational Requirements

Grade 9	Grade 10	Grade 11	Grade 12
English (1.0 Credit)	**English (1.0 Credit)**	**English (1.0 Credit)**	**English (1.0 Credit)**
• Academic English 9 OR • Honors English 9	• Academic English 10 OR • Honors English • NOTE: Literature Keystone Exam administered in Grade 10	• Academic English 11 OR • Honors English 11	• College Prep English 12 OR • Honors English 12 OR • AP English Language & Comp OR/And • AP English Literature & Comp
Mathematics (1.0-2.0 Credits)	**Mathematics (1.0-2.0 Credits)**	**Mathematics (1.0-2.0 Credits)**	**Mathematics (0 - 2.0 Credits)**
• CC Algebra ½ and CC Algebra I OR • Honors CC Algebra ½ and Honors CC Algebra I • NOTE: Algebra I Keystone Exam administered in Grade 9 • Honors Geometry (For Keystone 8 students) OR • Geometry (For Keystone 8 students)	• Geometry OR • Honors Geometry • CC Algebra II OR • Honors CC Algebra II OR • CC Algebra II and Honors Trigonometry OR • Honors CC Algebra II and Honors Trigonometry	• Math Analysis I OR • College Prep Math OR • Statistics OR • CC Algebra II OR • Honors CC Algebra II OR • CC Algebra II and Honors Trigonometry OR • Honors CC Algebra II and Honors Trigonometry OR • Honors Trigonometry OR • Honors Calculus OR • Honors Calculus and AP Calculus AB	• College Prep Math OR • Statistics OR • CC Algebra II OR • Honors CC Algebra II OR • CC Algebra II and Honors Trigonometry OR • Honors CC Algebra II and Adv Trigonometry OR • Adv Trigonometry OR • Honors Calculus OR • Honors Calculus and AP Calculus AB OR • AP Calculus BC
Social Studies (1.0 Credit)	**Social Studies (1.0 Credit)**	**Social Studies (1.0 Credit)**	**Social Studies (1.0 Credit)**
• U.S. History	• World History OR • AP World History	• American Systems	• Modern U.S. History
Science (1.0 Credit)	**Science (1.0-2.0 Credits)**	**Science (1.0 Credit)**	**Science (0- 2.0 Credit)**
• Earth & the Environment OR • Honors Earth & the Environment	• Biology OR • Honors Biology OR • AP Biology • NOTE: Biology Keystone Exam administered in Grade 10	• IPS (integrated Physical Science) OR • Academic Chemistry OR Honors Chemistry AND/OR AP Chemistry	• Academic Physics OR • Honors Physics AND/OR AP Physics
Physical Education & Health (2.0 – 3.0 Credits by Graduating Class)			
Beginning 2017-18 and 2018-19, a new sequence of PE/H requirements will be implemented. For simplicity, please refer to the Graduating Class descriptions below.			
Class of 2021 • 10th PE (0.5) • 10th Health (0.5) • 11th PE (1.0) • 12th grade PE (0.5)	**Class of 2020** • 9th PE (0.5) • 10th PE (0.5) • 10th Health (0.5) • 12th grade PE (0.5)	**Class of 2019** • 9th PE (0.5) • 10th PE (0.5) • 10th Health (0.5) • 12th grade PE (0.5)	**Class of 2018** • 9th PE (0.5) • 10th PE (0.5) • 10th Health (0.5) • 12th grade PE (0.5)
Other LTHS Required Graduation Requirements (2.0 -2.5 Credits by Graduating Class)			
Class of 2021 • Freshmen Seminar (1.0) • Law and Finance (1.0) • Senior Seminar (0.5)	**Class of 2020** • Freshmen Seminar (0.5) • Law and Finance (1.0) • Senior Seminar (0.5)	**Class of 2019** • Freshmen Seminar (0.5) • Law and Finance (1.0) • Senior Seminar (0.5)	**Class of 2018** • Freshmen Seminar (0.5) • Law and Finance OR previously L.I.F.E. (1.0) • Senior Seminar (0.5)

Career and Technical Education

Through *career and technical education*, students have opportunities to earn college credits while still in high school, earn industry-specific credentials in a variety of fields, and even participate in both paid and unpaid internships. LTHS is proud to partner with the Lycoming County Career and Technology Center for career and technical coursework offered to students in multiple concentrations. The following are the career and technical education opportunities currently available to LTHS students:

Automotive Technology: Are you interested in cars and want to repair high tech vehicles? Learn about performance, computer electronics, engine diagnoses and repair. Earn Automotive Service Excellence (ASE) Certification and PA State Inspection.

Computer Service Technology: Become part of the team of experts who repair or maintain computers and networks. Prepare for a career in computer science – this program is an excellent foundation for post-secondary education. Prepare for Net Plus Certification and CompTIA A+ Certification.

Construction Technology: Do you enjoy working with your hands, building, operating power tools, working with electricity, connecting piping systems? Earn the National Center for Construction Education & Research (NCCER) Certification.

Criminal Justice (Law Enforcement): Are you interested in becoming a police officer, corrections officer, security officer, detective, or private security person? The combination of our program and post-secondary education is designed to prepare you for a rewarding career in private security, law enforcement, and criminal justice.

Culinary Arts: Do you like to be in the kitchen and enjoy cooking? Maybe you would like to own a restaurant, host a cooking show, or become a chef. You will learn proper use of kitchen utensils and equipment, food sanitation and storage, table settings, and food preparation. Earn the ServSafe Certification (a necessary requirement to enter the food service industry).

Drafting & Design Technology: Are you interested in combining your creativity with your interests in the industrial and mechanical world? Learn the latest version of AutoCAD, and become an Architect, Engineer, Surveyor, CAD Operator, or Technical Illustrator. This program is American Design Drafting Association Certified.

Early Childhood Education: Are you interested in teaching or childcare services? This course provides a solid base for students planning to enter the fields of Occupational Child Care, Para educator, or Elementary Education. Become Child Development Associate CDA Test Ready!

Health Careers: As the world of medicine and science changes and grows virtually every day, the number of jobs in the health field grows as well. Are you interested in nursing and learning about the behind-the-scenes work that happens in a hospital setting? Would you like to learn about human anatomy and acquire skills for lab and technical employment? If you answered yes to these questions, this is the program for you! Opportunities to receive a Nurse Aide Certification and/or Medical Assistant Certification.

ALL Lycoming County Career and Technology Center programs offer the following Third Year possibilities:

Penn College Option (earn college credits while still in high school)
Work Based Option (participate in both paid and unpaid internships)

On-Line and Dual Enrollment / College Studies – Earn College Credit in High School

Additional opportunities for students exist for students. LTHS networks with several providers of additional coursework opportunities as an extension of our brick/mortar curricular programs. In most cases, these courses can only be taken in grades 11-12 and can only be taken after required coursework at LTHS. A detailed table of FAQ's is located below. We currently partner with the following:

- **eQuip** (a BLaST I.U. 17 program) – an online coursework system of courses available to our students that are purchased by the school district for the student. There are approximately 30 courses from which to choose in consultation with the student's school counselor.

- **H.A.C.C. (Harrisburg Area Community College)** – HACC is a leading provider of online coursework within the state, offering students the opportunity to take college-level coursework in a dual enrollment opportunity (credit for both high school and college coursework). There are approximately 14 courses available, also located in our Course Selection Guide on our website. The cost per course is $300. Since these courses are for original college credit, families must pay for the course in advance directly to HACC. Upon completion of the course **with a passing grade of C or better**, $150 will be reimbursed back to the family for the credits attained through HACC. Many of these courses are TRANSFERABLE to other colleges and universities – depending on the school.

For eQuip and H.A.C.C. courses, students will enter a dual enrollment/online agreement. These courses will occur during one of the given student's semester blocks during the school day or one period all year for each course. During this block/period of dedicated time, students are required to report to the online learning room and work independently on coursework.

- **PCNOW (Pennsylvania College of Technology)** – we have offered several PCNOW courses over the past few years, taught by Loyalsock teachers who are also certificated as PCT adjunct instructors. These courses are purchased by the school district, and dual enrollment is provided. Like HACC, PCNOW courses are also transferable to other colleges and universities. SEE THE INDIVIDUAL LOYALSOCK DEPARTMENT COURSE OFFERINGS IN THIS DOCUMENT FOR EXISITNG PCNOW COURSES THAT ARE AVAILABLE.

- **Keystone College (Wilkes-Barre, PA)** – yet another partnership is an affiliation with Keystone College, in which dual enrollment credit can be earned with specific courses a student is currently taking at Loyalsock. The following courses have been approved by Keystone and can be purchased for credit upfront by the family. Upon successful completion of the course **with a grade of C or better, LTSD will reimburse the family $150.**
  - (LTHS) AP Chemistry → (KC) CHEM 120: General Chemistry (4 credits)
  - (LTHS) Honors Trigonometry → (KC) MATH 1135: Trigonometry (3 credits)
  - (LTHS) AP Calculus → (KC) MATH 2150: Calculus I (4 credits)
  - (LTHS) AP Psychology → (KC) PSYC 1110: General Psychology (3 credits)
  - (LTHS) AP Physics → (KC) General Physics I (4 credits)

  Procedure to register for Keystone College credit:
  - For fall semester, students must complete registration by September 1. For spring semester – February 1.
  - Complete registration document and submit to student's school counselor.
  - School counselors will fax/mail completed registration applications.
  - A bill from Keystone College will be sent to the student's home for payment. The cost per credit for tuition is $100. (Example: register for Honors Trigonometry of 3 credits x $100 - $300 bill.) Payment from family is made directly to Keystone College. LTHS will reimburse each family $150 of the cost per course at the conclusion of the school year.
  - Once the course is complete. Keystone will mail the student a transcript of the course taken at Loyalsock. This transcript can then be used as transfer credit to a college/university of the student's choosing. It is to be noted that some colleges/universities may not accept transfer credit. This will be a case-by-case basis per student depending on which schools accept transfer credit and which do not. Suggestion: If a student is considering a particular college/university, it is important to research which courses will transfer and which will not by visiting the given university's transfer coursework webpages.

SEE NEXT PAGE for On-Line and Dual Enrollment / College Studies FAQ Table

Dual Enrollment / Advanced Coursework Opportunities – Loyalsock Township H.S. – Providers Available

Note: Loyalsock students can earn up to 8 credits per year and applied to a student's transcript. Any credit(s) taken beyond will not be factored into cumulative weighted average, GPA, or class rank.

Information	eQuip (I.U. 17)	H.A.C.C (Harrisburg Area Community College)	PCNOW (Pennsylvania College of Technology)	Keystone College	Penn College (Off Campus)
Nature of course?	Online	Online	School-based	School-based	PCT campus
Who is instructor?	High school teacher of online course (non-Loyalsock teacher).	HACC professor	Loyalsock teacher	Loyalsock teacher	PCT professor
How do I communicate with instructor?	1. Email teacher directly 2. Email/speak with LTSD online coordinator.	Email HACC professor directly and through HACC student portal.	Speak with Loyalsock teacher directly in class. Learn more about PCNOW here.	Speak with Loyalsock teacher directly in class.	Speak with PCT professor directly.
Weight of course?	1.0 (Academic); 1.04 (Honors); 1.08 (AP)	1.08	1.08	1.08	1.08
Grade levels eligible (9-12)	9-12	11-12	11-12	10-12	11-12
How long do I have to complete course?	By end of semester/year in which you take the course	By end of Semester in which you take the course	By end of Semester in which you take the course	By end of Semester in which you take the course	By end of Semester in which you take the course
Cost to student/family?	District-sponsored.	$300 paid by family. **Reimbursement of $150** to family if student passes course with a C or better.	District-sponsored.	$300 paid by family. **Reimbursement of $150** to family if student passes course with a C or better.	PCT tuition paid by family. **Reimbursement of $150** to family if student passes course.
Payment for course due date?	N/A	Fall semester – Aug. 15 Spring semester – Dec. 1	N/A	Fall semester – Dec. 1 Spring semester – January 15	Prior to semester beginning.
Is there a textbook/e-text/lab cost?	Paid by LTSD	Paid by student/parent through the HACC bookstore.	Paid by LTSD	LTSD Course Textbook	Paid by student/parent through the PCT bookstore.
Will the course transfer to post-secondary colleges/universities?	Only AP exam scores in applicable courses. Depends on score and sending college's requirements.	Read more about transfer of credits on HACC's website.	Read more about PCNOW.	Read more about transfer of credits on Keystone's website.	Read more about PCT's concurrent enrollment partnerships

Information	**eQuip (I.U. 17)**	**H.A.C.C (Harrisburg Area Community College)**	**PCNOW (Pennsylvania College of Technology)**	**Keystone College**	**Penn College (Off Campus)**
Courses offered?	See link to LTHS's Course Selection Guide (under "Online College Advanced Studies."	See link to LTHS's Course Selection Guide (under "Online College Advanced Studies."	See link to LTHS's Course Selection Guide for applicable PCNOW courses within certain department offerings.	AP Chemistry → CHEM 120: General Chemistry (4 credits) Advanced Trigonometry → MATH 1135: Trigonometry (3 credits) AP Calculus → MATH 2150: Calculus I (4 credits) AP Psychology → PSYC 1110: General Psychology (3 credits) AP Physics → General Physics I (4 credits)	Depends on student interest/need.
Is the course for original credit or credit recovery?	Original and recovery	Original	Original	Original	Original
Will the course(s) appear on my transcript?	Yes	Yes	Yes	Yes	Yes
How many LTHS credits will I earn toward graduation?	Depends on course – either .25, .5, or 1.0 credit.	1.0 credit per course.	1.0 credit per course.	1.0 credit per course	1.0 credit per course
What is the pacing and workload like?	Self-paced through specific online teacher.	Course-paced through college professor.	Course-paced through LTHS teacher.	Course-paced through LTHS teacher.	Course-paced through college professor.

- **Process for taking a course among one of the providers noted above** - During course scheduling, students will select the category of courses to take online. This is all they need to do to secure a place in their schedules until they meet with their school counselor and the online coordinator to select a course from one of the providers. The process moving forth is as follows:

    1. Prior to the end of the current school year, students will attend a meeting with school counselors to complete the application to take a course through one of the providers.
    2. Link to Register for Advanced/Online Coursework
    3. Student's schedule for next year will be updated to reflect the course selection.
    4. Student must register as a student with the given provider. There isn't any application fee. Special note: ***HACC requires students to register to become a HACC student. It is an agreement specifically between the student/family and HACC. He/she must also take a placement exam, typical of colleges with any student. PCNOW courses also require a student to take a placement exam.***
    5. Student/family must make full payment for the course by a specific time prior to beginning the course.
    6. Upon completion of the course with passing grade of C or better, students/family must submit a receipt for reimbursement for the course for $150.

We anticipate the following HACC dual-enrollment courses will be offered for the 2018-19 school year, pending the given course is not full already upon requesting the course through HACC:

AH-210 Health Care Law and Ethics

Fundamentals of law and the court system as well as an exploration of basic ethical principles and bioethics. The focus is on applying legal and ethical principles to healthcare situations and includes a discussion on current medical-legal issues and bioethical dilemmas being addressed in the U.S. Healthcare system.

ANTH-101 Introduction to Anthropology

Provides a holistic approach to the study of humankind over time and space that includes both the biological and cultural aspects of human beings. This course addresses human evolution, physical anthropology, archaeology, paleoanthropology, primatology, and the significant role that language plays in the understanding of culture. This course also involves comparing and contrasting individual cultures.

ART-185 The History of the Cinema

Survey course that investigates the development of the cinema from the late-nineteenth century to the present. Emphasis is placed on movie genres, the people who have encouraged or created those genres, and how cultural patterns have affected the history of the cinema. Note: Students must be able to obtain films from Netflix.

ASTR-103 Introduction to Planetary Astronomy

Introduces the solar system with an emphasis on the sun, major and minor planets, the earth-moon system, asteroids, comets, meteors, the Kuiper Belt, and the Oort Cloud. This course covers the physical laws of motion and the properties of light, the origin of the Solar System, and formation of the planets. Laboratory exercises reinforce the concepts discussed in the lectures pertaining to the location and motion of objects in the sky. Nominal use of math is required. A $15 course fee is required. Labs will be conducted online and at home. In addition to the textbook, instructions to download the Starry Night lab software and access code must be purchased from the HACC bookstore.

BUSI-230 Introduction to International Business

The environmental and cultural aspects of international business and major functional areas, such as trade, investment, management, marketing, and the international monetary system.

CJ-108 Criminology

Development and causes of criminal and delinquent behavior; and overview of criminological theories; social norms and criminal law; patterns of crime, delinquency, and deviant behavior.

CHIN-101 Chinese I

Covers the fundamentals of Chinese grammar including written characters, drill in structure and pronunciation, developing vocabulary, and cultural aspects. Aural-oral and reading skills are also introduced.

DH-100 Introduction to Dentistry

Basic information about the practice of dentistry and dental hygiene for students with no prior experience in a dental office. Basic terminology, procedures and principles related to dental practice are presented for students who are interested in pursuing a career in dental hygiene. This introductory course provides a foundation for future courses within the dental hygiene curriculum.

FRCH-101 French I

Covers the fundamentals of French grammar. This course addresses drill-in structure; pronunciation and the development of vocabulary. Aural-oral and reading skills are also introduced.

GEOG-230 Introduction to Human Geography

A survey of human settlement patterns and cultural activities throughout the world. Special emphasis is placed on the patterns of human distribution, adjustments to the natural environment, and land use practices.

METR-101 Meteorology: Weather and Climate

Introduces students to the basic elements of weather and climate for non-science majors. The course addresses how weather elements are used with computer prognostics, weather satellite imagery, observations, and weather radar to produce daily forecasts. Special topics such as thunderstorms, hurricanes, tornadoes, and global warming are also covered. There is a $10 course fee required and lab kits must be purchased from the HACC bookstore.

PHIL-101 Introduction to Philosophy
Classic philosophical problems are examined through classroom discussions and a wide range of historical readings. The foundations of Western philosophical thought are explored from such thinkers as Socrates, Descartes, Nietzche, and Martin Luther King, Jr.

RE-101 Real Estate Fundamentals

Covers the practices of real estate in Pennsylvania. This course provides the foundation for further study, as it is designed to familiarize students with the language, principles, and laws governing the real estate profession. Emphasis is placed on the fundamental concepts of land, property, and rights in realty and the practices, methods, and laws that govern the conveyance of these rights.

Graduation Project Requirements

All students are required to complete a Graduation Portfolio in order to be eligible to receive a high school diploma. The Guidance, English, and Business departments have worked diligently to make LTHS graduation projects relevant to all students, regardless of their post-secondary plans. All of these requirements conform to the Future Ready Pennsylvania Future Index.

Loyalsock Township High School students complete a career-based Graduation Project over a four-year period, which is designed to assist students in making informed career choices after high school. All components of this process must be completed and scored with at least an 80% in order to fulfill graduation requirements.

GRADUATION PORTFOLIO CHECKLIST

Freshman Year

Core: *Complete all of the following.*

___ Student Activity/Club/Athletics Purpose Statement
___ Community Service Project (Mid-term)
___ Four-Year Academic Plan
___ Education Planner Career Assessment/Reflection
___ Letter of Self-Introduction

Supplemental: *Complete TWO of the following.*

___ Evidence of a Part-time/Summer Job
___ Reflection of Attendance Record
___ Reflection of Discipline/Behavior Record
___ Evidence of Awards and Honors
___ Evidence of Silver Cord Hours
___ Updated Resume

Sophomore Year

Core: *Complete all of the following.*

___ Career Assessment Results
___ Career Assessment Reflection

Supplemental: *Complete THREE of the following.*

___ Evidence of a Part-time/Summer Job
___ Reflection of Summer Job Shadowing Experience
___ Academic Writing Sample
___ Multi-media Project
___ Presentation/Skill Demonstration
___ PSAT/SAT/ACT/NOCTI Results
___ Evidence of Awards and Honors
___ Evidence of Silver Cord Hours
___ Updated Resume

Junior Year

Core: *Complete all of the following.*

___ Job Shadow Reflection(s)
___ ASVAB Career Assessment Results
___ ASVAB Career Assessment Reflection
___ Documented Career Plan (Honors-5-7 pages/Academic 2-3 pages)

Supplemental: *Complete THREE of the following.*

___ Academic Writing Sample or Multi-Media Project
___ College Campus Visitation(s) Evidence & Reflection
___ Evidence of a Part-time/Summer Job
___ PSAT/SAT/ACT/NOCTI Results
___ Presentation/Skill Demonstration
___ Evidence of Awards and Honors
___ Evidence of Silver Cord Hours
___ Updated Resume

Senior Year

Core: *Complete all of the following.*

___ ProfessPional Resume / Cover Letter
___ Mock Interview Scored Rubric & Reflection
___ Unofficial Copy of High School Transcript
___ Two Letters of Recommendation
___ College Admissions Essay or Scholarship Essay

Supplemental: *Complete THREE of the following.*

___ Evidence of a Part-time/Summer Job
___ Evidence of Silver Cord Hours
___ Senior Internship Reflection(s)
___ Presentation/Skill Demonstration/Exemplar Work
___ Evidence of Awards and Honors
___ College Campus Visitation Reflection(s)
___ SAT/ACT/NOCTI Results
___ College Acceptance Letter(s)

Revised 9/2015

PART 3 – COURSE CATALOG

Art

Course title	Weight	Open to Grades	Prerequisites	Credits
Foundations of Drawing & Painting	1.0	9-12	None	1.0
Drawing & Painting 1	1.0	10-12	Foundations of Drawing & Painting	1.0
Honors Drawing & Painting 2	1.04	10-12	90 or higher in Drawing & Painting 1	1.0
AP Studio Art: 2D	1.08	10-12	90 or higher in Drawing & Painting 2	2.0
AP Studio Art: Drawing	1.08	10-12	80 or higher in AP Studio Art: 2D	2.0
Ceramics & Glass 1	1.0	9-12	None	1.0
Honors Ceramics & Glass 2: Hand-building	1.04	9-12	90 or higher in Ceramics & Glass 1	1.0
Honors Ceramics & Glass 2: Wheel-Throwing	1.04	10-12	90 or higher in Ceramics & Glass 1	1.0
AP Studio Art: 3-D	1.08	10-12	90 or higher in EITHER Ceramics & Glass 2: Hand-building OR Wheel-Throwing	2.0
Digital Photography 1	1.0	9-12	None	1.0
Honors Digital Photography 2	1.04	9-12	90 or higher in Digital Photography 1	1.0
AP Art History	1.08	10-12	Completed or currently taking World History OR AP World History	1.0
Portfolio Development	1.0	10-12	Currently taking AP Studio Art	0.5-2.5
PC NOW: Intro to Industrial Design	1.08	11-12	Drawing & Painting 1	1.0

A.P. ART HISTORY 1.0 Credit

A.P. Art History emphasizes understanding works of art within their historical context by examining issues such as politics, class, religion, patronage, audience, gender, function, and ethnicity. Topics include Global Prehistory, Ancient Mediterranean, Early Europe and Colonial Americas; Later Europe and Americas; Indigenous Americas; Africa; West and Central Asia; South, East, and South East Asia; The Pacific; and Global Contemporary.

The AP Art History course is treated as an equivalent of a college-level survey course in art history. Students will be expected to maintain the highest standards of academic excellence throughout the course. It is the expectation that students in this course will take the AP Art History examination.

Prerequisite: Completed or concurrently enrolled in World History or A.P. World History

FOUNDATIONS OF DRAWING & PAINTING 1.0 Credit

Foundation of Visual Arts is an introductory course where students are given a sampling of various 2-D mediums. The principles of art and design are stressed with each project.

DRAWING AND PAINTING I 1.0 Credit

This is an intermediate course for those students who wish to improve their drawing skills and explore a variety of painting techniques and styles. An emphasis will be placed on the rules of design, composition, and student imagination. Students will explore advanced perspective, portraiture, scratchboard, and stipple-drawing.

Prerequisite: Foundations of Drawing and Painting or portfolio review by instructor

HONORS DRAWING AND PAINTING II 1.0 Credit

This is an advanced course for those students who wish to further improve their drawing skills and explore a variety of painting techniques and styles. An emphasis will be placed on the rules of design, composition, and student imagination. Students will explore advanced perspective, portraiture, print-making, and pointillism.

Prerequisite: 90% or higher in Drawing and Painting I or portfolio review by instructor

ADVANCED PLACEMENT STUDIO ART: 2-D 2.0 Credits

This is a highly advanced art courses for those students who are ready to dedicate a serious amount of time both in and out of the classroom in order to develop a large portfolio. Students must be self-driven and ready to produce large amounts of high quality work which will be submitted to the College Board for evaluation. Students should plan on doing a good deal of work outside of the classroom including over the summer prior to the start of the school year. It is the expectation that students in this course will submit the full portfolio to The College Board for evaluation.

Prerequisite: 90% or higher in Drawing & Painting II
A portfolio review will be conducted to determine the extent of each student's summer assignment.

ADVANCED PLACEMENT STUDIO ART: DRAWING 2.0 Credits

These are highly advanced art courses for those students who are ready to dedicate a serious amount of time both in and out of the classroom in order to develop a large portfolio. Students must be self-driven and ready to produce large amounts of high quality work which will be submitted to the College Board for evaluation. Students will continue to maintain a personal sketchbook and should plan on doing a good deal of work outside of the classroom including over the summer prior to the start of the school year. It is the expectation that students in this course will submit the full portfolio to The College Board for evaluation.

Prerequisite: 85% or higher in Advanced Placement Studio Art: 2-D
A portfolio review will be conducted to determine the extent of each student's summer assignment.

DIGITAL PHOTOGRAPHY I

1.0 Credit

Digital Photography is an intermediate course that focuses on the capturing, adjustment and modification of images. The principles of design are heavily stressed with each project. This course is excellent for visual learners who have "good eyes" and creative ways of thinking. Sample projects include, but are not limited to: portraits, special effects, photo collages, ghost imagery, twin photography, photo repair, and beauty/glamour shots.

HONORS DIGITAL PHOTOGRAPHY II 1.0 Credit

This is an advanced art course for those students who wish to seriously explore photography. Students will build on the skills they learned in Digital Photography and work towards building a strong portfolio.

Prerequisite: 90% or higher in Digital Photography I

CERAMICS AND GLASS I 1.0 Credit

Ceramics and Glass is an intermediate course that focuses on the heated transformation of raw materials into functional and sculptural forms. The principles of design, ergonomics, and utility are stressed with each project. This course is excellent for visual and kinetic learners who are good with their hands and are not afraid to get dirty. Sample projects include, but are not limited to: cups/tumblers, tea-bowls, mugs, tiles, stained glass, and fused glass. **Long and/or fake fingernails are not permitted and hair must be pulled back during class.**

HONORS CERAMICS AND GLASS II: Hand-building 1.0 Credit

This is an advanced art course for those students who wish to seriously explore wheel-thrown forms. Students will learn to create vases, perforated forms, covered jars, pitchers, goblets, teapots, and other utilitarian forms. **Long and/or fake fingernails are not permitted and hair must be pulled back during class.**

Prerequisite: 90% or higher in Ceramics and Glass I

HONORS CERAMICS AND GLASS II: Wheel-Throwing 1.0 Credit

This is an advanced art course for those students who wish to seriously explore hand-built forms. Students will learn to create various sculptures including, but not limited to: boxes, roasters, teapots as well as human and animal forms. **Long and/or fake fingernails are not permitted and hair must be pulled back during class.**

Prerequisite: 90% or higher in Ceramics and Glass I

ADVANCED PLACEMENT STUDIO ART: 3-D 2.0 Credits

These are highly advanced art courses for those students who are ready to dedicate a serious amount of time both in and out of the classroom in order to develop a large portfolio. Students must be self-driven and ready to produce large amounts of high quality work which will be submitted to the College Board for evaluation. Students will continue to maintain a personal sketchbook and should plan on doing a good deal of work outside of the classroom including over the summer prior to the start of the school year. It is the expectation that students in this course will submit the full portfolio to The College Board for evaluation. **Long and/or fake fingernails are not permitted and hair must be pulled back during class.**

Prerequisite: 90% or higher in Ceramics & Glass II: Hand-building and/or Ceramics & Glass II: Wheel-Throwing
A portfolio review will be conducted to determine the extent of each student's summer assignment.

PORTFOLIO PREPERATION 1.0 Credit

This course is to provide additional studio time for AP Studio Art students who have space in their schedule. Additional assignments are not given, but instead the grade will mirror the grade for AP Studio Art. Please note that this course does NOT carry the additional AP weight.

Prerequisite: Currently enrolled in A.P. Studio Art

PCNOW: INTRODUCTION TO INDUSTRIAL DESIGN 1.0 Credit

A dual enrollment opportunity with the Pennsylvania College of Technology, PCNOW BIX 110 introduces industrial design techniques, aesthetic concepts and practical rendering skills. Through this course, students will learn to integrate aesthetics, ergonomics, material selection and safety principles into a product design. Creative solutions to design problems will be produced using two and three dimensional renderings to aid in the design development. Students will produce sketches, clay models and castings of their designs.
Students who successfully complete this course earn three (3) college credits through PCT, which can also be transferred to other colleges or universities.

Prerequisite: Drawing & Painting 1

Business and Career Education

Course title	Weight	Open to Grades	Prerequisites	Credit
Accounting I	1.0	9-12	None	1
Accounting II	1.0	9-12	Successful completion of Accounting I	1
Accounting III	1.0	9-12	Successful completion of Accounting I and II	1
Business Management	1.0	11-12	None	1
Freshmen Seminar & Technology	1.0	9	None	1
Law and Finance	1.0	11-12	None	1
Sports and Entertainment Marketing	1.0	9-12	Completed Maroon Market Application	1
Introduction to Business	1.0	9-12	Completed Maroon Market Application	1
Informational Technology and Society (PCNow-CSC124)	1.08	11-12	Successful completion and reaching PCT entrance examination benchmarks	1

FRESHMEN SEMINAR & TECHNOLOGY 1.0 Credit

Students will experience a variety of freshmen transition topics as a new student to the high school setting. Computing fundamentals using computers will be used as the vehicle to deliver the multiple topics and units. Students will simultaneously gain an awareness of how and where information technology is currently being implemented. Computing terminology, hardware and software concepts, computer security, and the ethical use of computer information systems will be also covered. Students will acquire basic skills in operating systems, file management, browser software, searching the Web, word processing, spreadsheets, presentation software, and citing digital resources properly.

This course is required for graduation.

ADOBE CREATIVE SUITE 1.0 Credit

Adobe Creative Suite is a course that will center on a variety of Adobe software used in the creation and implementation of web pages. Students will begin by learning the essentials of web page design using Adobe Dreamweaver. In addition, students will learn the capabilities of Adobe Flash, Fireworks, and Illustrator to design, create and implement various components and applications included on web pages. Instruction will also be given in the following technology areas: scanners, digital cameras, email and Internet. The interrelation of these technologies and their impact in the business world will be discussed.

Prerequisite: Computer Applications

BUSINESS MANAGEMENT 1.0 Credit

Business Management covers fundamental topics needed to create, manage, and operate a successful business. Using real-life scenarios, including ethical and global issues and challenges in the business world, the course will discuss decision making in the business world. Areas to be covered include: characteristics of business, organizational communications, management functions and decision-making, planning and organizing, finances, community needs assessments, and market analysis. This course is designed for 11th and 12th graders.

PCNOW: INTRODUCTION TO WEB PAGE DEVELOPMENT 1.0 Credit

A dual enrollment opportunity with the Pennsylvania College of Technology, PCNOW BWM 150 is an introductory course with a focus on coverage of the Internet and online Web technologies. Skills learned include how to plan, create, and maintain static Web pages. Students who successfully complete this course also earn three (3) college credits through PCT, which can also be transferrable to other colleges or universities.

Prerequisite: MTH 004 or Placement by Examination (RDG 111)

ACCOUNTING I 1.0 Credit

Accounting I provides a valuable skill for all students who are college bound, and who are entering the field of self-employment, or who intend to seek employment in the business world. Students are encouraged to take this course if they plan to take the advanced course in Accounting. Students will learn accounting applications for a service business as well as for a merchandising business. Emphasis is on the basic principles, concepts, and procedures of accounting which will insure all students' maximum opportunity when entering the world of business. Areas of concentration include:

- completion of the accounting cycle using double entry accounting for a sole proprietorship
- preparation of financial reports
- reconciling bank statements
- money and banking applications
- preparation of a payroll

ACCOUNTING II 1.0 Credit

Accounting II is a recommended subject for all students who have satisfactorily completed Accounting I. This course is designed to give the students a brief review of Accounting I concepts and procedures. These concepts include the accounting cycle for a merchandising business, preparation of a payroll, money and banking applications and financial statements. After a review of concepts learned in Accounting I this course will concentrate on (1) analyzing problems involving partnership and departmental accounting applications, (2) analyzing problems using automated accounting software, (3) utilizing the computer for weekly corporate news reports and preparation of summary analysis, (4) preparing Federal and State income tax forms, and (5) analyzing corporate annual reports.

Prerequisite: Accounting I

LAW AND FINANCE 1.0 Credit

The course provides basic knowledge of our legal and investment environment and helps facilitate understanding of the laws that govern human conduct in a civilized society. The law portion of the course will provide an in-depth and extensive study in consumer law, civil law, criminal law, court structure, rights/duties of minors and parents, incurrence, contracts, employee/employer relationships. Also, the students will have the opportunity to interact with law enforcement officers, as well as viewing criminal/civil cases at the Lycoming County Courthouse. The investment portion of the course will emphasize financial/estate planning, as well as developing an understanding of stocks, bonds, mutual funds, investment terminology and the future of social security. The financial portion of the course will cover college degrees, budgets, financial aid, letter composition, as well as beginning cost factors affecting incoming freshman. L & F is designed to provide the student with practical knowledge which will not only benefit them in everyday life situations, but will also provide a valuable foundation for the college-bound student.

INTRODUCTION TO BUSINESS 1.0 Credit

Introduction to Business will introduce the student to the world of business and will help prepare you for the economic roles of consumer, worker, and citizen. Some of the topics covered include: economic decisions, entrepreneurship, global economy, social responsibility, and finance. Students in this class will also manage and work in the Maroon Market. This course will also serve as a background for other business courses offered in high school and in college, assist you with consumer decision making, prepare you for future employment, and help you effectively perform your responsibilities as a citizen.

SPORTS AND ENTERTAINMENT MARKETING 1.0 Credit

The sports and entertainment industry is all around us, on television, radio, on the Internet, in stores, and even in our schools. This course will emphasize the importance of the industry and the role it plays in our society. Sports and Entertainment Marketing will provide students with knowledge in Marketing from the perspective of the sports and entertainment industry. Topic covered will include: foundations of marketing, products, pricing, promotion, licensing, ethics, economics, and careers. Students in this class will also manage and work in the Maroon Market.

PCNOW: INFORMATION TECHNOLOGY AND SOCIETY 1.0 Credit

Introduction to the basic concepts and applications of computer/Internet-related information technology and its impacts on individual users, businesses, groups, organizations, and society. Topics include evaluation of digital information, ethical and security implications of information use and storage; social aspects of information systems; economic and legal issues; and professional presentation and communication of information. Information literacy skills that promote lifelong learning are developed. Students who successfully complete ITS earn three (3) college credits through PCT and meet the requirements for CSC124. Students not attending PCT should gain the skills necessary to test out of a similar class at another institution.

Prerequisite: Computer Applications

English

Four credits in English are required for graduation. One credit must be taken at each grade level, nine through twelve (9-12). Students are encouraged to consult with their present English teacher for guidance in selecting the proper course and course level for next year. Except in rare cases, such as remediation or AP, students may not accumulate more than one (1) English credit per year. Students repeating English classes must enroll in the same or a lower level of English when rescheduling for remediation.

Course title	Weight	Open to Grades	Prerequisites	Credit
Academic English 9	1.0	9	None	1
Honors English 9	1.04	9	90% average or above in 8th grade reading and 8th grade language arts	1
Academic English 10	1.0	10	Successful completion of English 9	1
Honors English 10	1.04	10	90% average or above in Academic English 9, or 80% average or above in Honors English 9	1
Academic English 11	1.0	11	Successful completion of English 10	1
Honors English 11	1.04	11	90% average or above in Academic English 10, or 80% average or above in Honors English 10	1
Academic English 12	1.0	12	Successful completion of English 11	1
AP Language and Composition	1.08	12	90% average or above in an English 11 course, and no previous high school English failures	1
Honors English 12	1.04	12	90% average or above in Academic English 11, or 80% average or above in Honors English 11	1
AP Literature and Composition	1.08	12	90% average or above in an English 11 course, and no previous high school English failures	1
Creative Writing 1	1.0	9-12	None	1
Creative Writing 2	1.0	10-12	Completion of Creative Writing 1 with 80% average or above	1
Speech and Drama	1.0	9-12	None	1
Yearbook and Media Journalism 1	1.0	10-11	Completion of an application assignment and satisfactory attendance and discipline records	1
Yearbook and Media Journalism 2	1.0	11-12	Completion of Yearbook and Media Journalism 1 with 80% average or above	1
Yearbook and Media Journalism 3	1.0	12	Completion of Yearbook and Media Journalism 2 with 80% average or above	1

ACADEMIC ENGLISH 9 1.0 Credit

Ninth-grade English class provides a foundation for language-arts learning that students can build upon throughout the rest of their high school years. This is a standards-based course designed to build reading, writing, and vocabulary skills. Reading will focus on comprehension, vocabulary, inference, elements of literature, and literary devices (such as simile and allusion). Students will read 15 or more stories, a 300-page novel, and a play by William Shakespeare. Mechanics of grammar will be reviewed -- including capitalization, run-ons, and fragments -- and writing will be studied at the paragraph, essay, and research paper level. There will be regular vocabulary practice and quizzes through Membean.com. There will also be a brief unit on using Latin prefixes.

HONORS ENGLISH 9 1.0 Credit

This is an intensive reading and writing course. In addition to providing a foundation for future English classes, this course prepares students for honors work in higher grades and for high-level work in college. In reading the stories, novels, and plays, students will be expected to demonstrate thorough comprehension and to use evidence from the text to make assertions about the author's purpose. We will review grammar, including capitalization and run-ons, and will work on writing at the paragraph, essay, and research paper level. Honors students will cover a variety of extended material, will be expected to work at a much quicker pace than academic students, and will work collaboratively in a more 'discovery learning' based atmosphere.

Prerequisites: 90% average or above in 8th grade reading and 8th grade language arts

ACADEMIC ENGLISH 10 1.0 Credit

Academic English 10 is a standards-based course designed to enhance the skills necessary for success in a career, college, or any postsecondary training the student chooses to pursue. The year contains a review of the mechanics of the language—capitalization, punctuation, usage, and grammar. These will be addressed through the student's writing and in as-needed mini-lessons.

In literature, students study poetry, short stories, the novel, and drama as a part of theme-based units. Specifically, students study the themes of The American Dream, Moral Struggle, Coming-of-Age, and Innocence to Experience. In addition, students read four independent novels over the course of the semester.

During this semester, students are required to take weekly vocabulary quizzes using Membean, an online, interactive program. Students also will be exposed to Latin with weekly cumulative quizzes. Vocabulary and Latin lessons are designed to improve students' vocabulary skills with the intent to improve SAT scores and reading comprehension. Students will also participate in Keystone Exam targeted preparation designed to ensure their success on the Keystone Exam. Students will also engage in weekly writing assignments, ranging from creative to research-based.

HONORS ENGLISH 10 1.0 Credit

Honors English 10 introduces British literature beginning with the Anglo-Saxon period and *Beowulf* and progressing through the Age of Reason in England. Big ideas addressed through this course are the changing religious and cultural values in England, evidenced in the literature. Key literary works/authors will include *Beowulf, The Canterbury Tales*, the Arthurian Legend, and Shakespeare (drama and poetry).

In addition to an intensive literary focus, students will begin a two-year study of Latin, combined with weekly Membean.com vocabulary, both of which are designed to help prepare students for the Keystone Exam, the PSAT, and the SAT. Students will also work extensively with both writing and speaking. Writings will include creative, analytical, and research-based compositions. Speech topics will also range from creative assignments to research-based topics. Honors English 10 and Honors English 11 are sequential courses, covering the beginnings of British and American literature and progressing through the modern period. The English department recommends that Honors students take both courses in order to truly appreciate the literature of the two countries.

Prerequisites: Students planning to take Honors English 10 must have earned an 80% or higher in Honors English 9 course OR a 90% or higher in Academic English 9.

ACADEMIC ENGLISH 11 1.0 Credit

Academic English 11 is a total program of English literature, Membean vocabulary, grammar, formal composition, and a required research project. The study of literary works is theme-based. Students will have exposure to fiction and non-fiction works, ranging from Shakespeare to more contemporary novels, poems, and essays. Through the writing process, elements of grammar, usage, and punctuation will be covered on an individual, as-needed basis. The writing program encourages students to write effectively about personal experiences and critically about literature. During their junior English class, students will continue with their Graduation Project through the completion of the ASVAB, creation of a professional e-portfolio, and exploration of post-high school options for themselves. Specific preparation is also given for the SAT and remediation for the Keystone Exam, if necessary.

HONORS ENGLISH 11 1.0 Credit

Honors English 11 continues where Honors English 10 ended. Literature will resume with the Age of Reason in England and America and move into the modern era of both countries. Key authors include Shakespeare, Shelley, Hawthorne, the Romantic Poets, the WWI poets, and others. In addition to literature, students will continue their study of Latin and Membean vocabulary, designed to prepare them for the PSAT and the SAT. Junior English also focuses on College and Career Readiness with the Graduation Project, which involves extensive career exploration including ASVAB testing, personal reflections, and a Documented Career Plan, all facilitated by the appropriate English department faculty.

Honors English 11 is a writing intensive course, with students writing creative, analytical, and research-based compositions. In addition, students will continue to hone their public speaking skills through various in-class speech opportunities.

Prerequisites: Students planning to take Honors English 11 must have earned an 80% or higher in Honors English 10 course OR a 90% or higher in Academic English 10.

ACADEMIC ENGLISH 12 1.0 Credit

Academic English 12 is an intensive reading and writing course in which students will examine a variety of poems, short stories, novels, plays, and non-fiction materials. Through class discussion and personal reflection, students will respond critically, personally and collaboratively to a variety of archetypal themes. Comprehensive units on Greek mythology and theater, Shakespearean tragedy and media literacy will be studied. Connections will be drawn between current events and the literature being read and students will research a variety of issues and ideas to supplement assigned readings. As a capstone experience, students will write and deliver a personal legacy speech.

In addition, students will expand their vocabulary through the use of Membean, gain insight into preparing for the SATs, complete college and scholarship essays, and explore a variety of ways research and language is used in professional practice. Methods of assessment include, but are not limited to, projects, writings, tests, quizzes, presentations and journals. All students will complete a resume and successfully complete a mock interview in order to fulfill the senior graduation project requirement.

Prequisites: 90% average or above in Academic English 11, or 80% average or above in Honors English 11

HONORS ENGLISH 12 ***(NEW for 2018-19)*** 1.0 Credit

New for 2018-19, Honors English 12 continues where Honors English 11 ended. The course will be comprised of the units within Academic English 12, including archetypes and storytelling, Greek mythology and theatre, Shakespeare, and media literacy, while adding a focus on rhetoric and analyzing nonfiction text. Students will explore storytelling forms and meaning across various cultures and time periods through research and comparative analysis while moving through our fiction units, and will switch to a focus on nonfiction text, current media, and college preparatory writing for the second half of the semester. Students will continue to use our self-based vocabulary platform, Membean, while also learning about Greek roots as a word decoding strategy. Students will also complete a Legacy Speech as a capstone project for the course.

A.P. ENGLISH LANGUAGE AND COMPOSITION 1.0 Credit

The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

Prerequisites: Students planning to take AP Language and Composition must have earned a 90% or higher in Honors English 11 course or higher in Academic English 11. Students can have no previous high school English failures.

A.P. ENGLISH LITERATURE AND COMPOSITION 1.0 Credit

AP English is an advanced reading and writing course in which students will examine the search for life's meaning in a variety of literary works from all eras spanning the classical period to the present day. This will include short stories, poems, novels, memoirs, theatrical plays, and selected films. Students will read approximately 15 major works, answer complex analytical questions about the reading, participate in extensive discussions, give individual and group presentations, and complete numerous in-class writing assignments. All students must complete a resume and interview satisfactorily in order to fulfill the graduation project requirement.

This course will also prepare students for the College Board's Advanced Placement Examination in Literature and Composition through multiple choice practice tests, in-class discussion, times writings, and vocabulary lists. Students earning a score of "3" or higher may qualify for up to one year's credit in English and/or exempt them from freshman English in college. Students signing up for this course must see the instructor before the end of junior year to get the required summer reading project. Completion of this course fulfills the twelfth (12^{th}) grade English requirement.

Prerequisites: 90% average or above in an English 11 course, and no previous high school English failures.

CREATIVE WRITING 1 1.0 Credit

In this elective writing class, students will learn to identify and use the elements that characterize good writing and build the competency skills that make writing clear. Students will complete a series of creative assignments and projects, which will guide them on the road to writing proficiency. This is a writing intensive course. Students will complete 1-2 page typed writing assignments each day. Students will be required to keep a writing journal and respond to daily prompts.

CREATIVE WRITING 2 1.0 Credit

Creative Writing 2 is an extension of Creative Writing 1. Students will continue to improve writing skills while taking on new writing genres and techniques. Students in Creative Writing 2 have the opportunity to assume leadership positions as peer mentors. Mentors are required to check in weekly with Creative Writing 1 mentees. Students will work on peer editing, modeling of genre/topic structure, and keeping a portfolio of work, including a self-analysis of writing, mentorship, and involvement. When working on the literary magazine, Creative Writing 2 students will take on active leadership roles and will be responsible for managing and editing.

Prerequisites: Completion of Creative Writing I with 80% average or above

SPEECH AND DRAMA 1.0 Credit

If you're terrified by having to speak in front of others, this may not seem like the course for you – but in fact, it's probably just what you need. As the title suggests, speaking and acting are emphasized -- along with various communication skills such as listening, conversation, nonverbals and remembering the names of people you just met. Types of speaking include informative, instructional (that is, giving directions on how to do something) -- and of course, storytelling! The "drama" component includes a history of drama, stage terminology and acting techniques – with the goal of producing and performing an actual play before a live audience at semester's end. The course consists largely of hands-on projects such as skits and games, with a few party-type activities and at least four full-length movies to demonstrate strong acting, storytelling, and nonverbal communication.

YEARBOOK AND MEDIA JOURNALISM I 1.0 Credit

Yearbook and Media Journalism is designed to offer students (grades 10 and 11) an experience in photography, journalism, technology integration, and business management. Students will explore the art of storytelling without words through photography and photojournalism. Likewise, students will uncover the elements of journalistic writing by developing an understanding of reporting, writing, editing, publishing, and promoting news while producing the high school's digital newspaper and publishing the 2018 APALACO yearbook. While developing as leaders in a global community, students will embrace the challenge of learning more about the use of 21st century technology and tools with publication. Lastly, students will manage communication and networking, timelines and deadlines, advertisements and budgets, and continue to strive to become forward-thinkers with problem solving.

Level I staff members should plan to attend an extracurricular event for photography coverage each month, as well as contribute to business incentives each marking period. Staff members should budget two additional hours of work time outside the typical school day each marking period.

Prerequisites: Completion of an application assignment and satisfactory attendance and discipline records

YEARBOOK AND MEDIA JOURNALISM II 1.0 Credit

Yearbook & Media Journalism II is designed as a year-long course to offer students (primarily grade 11 and 12) an experience in photography, journalism, technology integration, and business management. The design and publication of the 2018 APALACO yearbook is the primary responsibility for level II students, but a monthly feature article in the high school's digital newspaper, *The Lance & Shield*, is also a course requirement. Students will uncover the elements of journalistic writing by offering readers a look into the greater-Williamsport area through the inclusion of feature articles, and writing yearbook copy articles for assigned sections. While developing as leaders in a global community, students will embrace the challenge of learning more about the use of 21st century technology and publication tools. Lastly, students will manage communication and

networking, timelines and deadlines, advertisements and budgets, and continue to strive to become forward-thinkers with problem solving.

Level II staff member have the opportunity to assume leadership positions as section editors. Editors are required to clock four additional hours of work time outside the typical school day each marking period, while staff members are required to clock two additional hours. Responsibilities also include: covering school events, completing business incentives, and keeping a portfolio of his/her work, including a self-analysis of writing, design, and involvement. Students are responsible for assuring fact/source credibility, peer-editing and motivating/managing section staff to meet deadlines.

Prerequisites**:** Completion of Yearbook and Media Journalism I with 80% average or above

YEARBOOK AND MEDIA JOURNALISM III 1.0 Credit

Yearbook & Media Journalism III is designed as a year-long course to offer students (primarily grade 12) an experience in photography, journalism, technology integration, and business management. Level III staff members will assume the role of team leader and/or section editor. The layout and design of the 2012 APALACO yearbook is the primary responsibility for editors. It is the responsibility of level III students to initiate communication and networking, set staff timelines and deadlines, implement advertisements and budgets, and mentor other staff members with task completion and problem solving.

Editors are required to clock four additional hours of work time outside the typical school day each marking period. Responsibilities also include: covering school events, attending editor meetings, planning weekly for staff responsibilities, and keeping a portfolio of his/her work and progress.

Level III leaders and editors will also take on the responsibility of planning and facilitating the summer journalism workshop.

Prerequisites**:** Completion of Yearbook and Media Journalism II with 80% average or above

NOTE: Yearbook & Media I, II, & III sections all meet during the same period in the same classroom.

Mathematics

Four credits in Mathematics are required for graduation plus successful proficiency on the Algebra I Keystone Exam as well as a MINIMUM of 2 credits in Algebra and 1 credit in Geometry. One (1) of the four (4) must be earned during the freshman year. For ninth grade students entering LTHS, the sequence below illustrates the path students may pursue.

Click to view video of this course description.

Course title	Weight	Open to Grades	Prerequisites	Credit
CC Algebra ½	1.00	9	Successful completion of 8th grade Math	1.0
Honors CC Algebra ½	1.04	9	• 90% average or above in 8th grade math • 8th grade Math teacher recommendation • Advanced or High Proficient on PSSA 8th grade Math exam	1.0
CC Algebra I	1.00	9	Successful completion of CC Algebra ½ OR Honors CC Algebra ½	1.0
Honors CC Algebra I	1.04	9	Successful completion of Honors CC Algebra ½ with an 80% or better	1.0
Geometry	1.00	10	Successful completion of CC Algebra I OR Honors CC Algebra I	1.0
Honors Geometry	1.04	10	Successful completion of Honors CC Algebra I with an 80% or better OR CC Algebra I with a 90% or better	1.0
Math Analysis I	1.00	11-12	• Successful completion of CC Algebra I OR Honors CC Algebra I • Successful completion of Geometry OR Honors Geometry • Required for students who are not proficient on the Algebra I Keystone Exam	1.0
College Prep Math	1.00	11-12	• Successful completion of CC Algebra I OR Honors CC Algebra I • Successful completion of Geometry OR Honors Geometry • Proficient or Advanced on the Algebra I Keystone Exam OR Successful completion of Math Analysis I	1.0
Statistics	1.00	11-12	• Successful completion of CC Algebra I OR Honors CC Algebra I • Successful completion of Geometry OR Honors Geometry • In grades 11 or 12	1.0
CC Algebra II	1.00	11-12	• Successful completion of CC Algebra I OR Honors CC Algebra I • Successful completion of Geometry OR Honors Geometry • Proficient or Advanced on the Algebra I Keystone Exam OR Successful completion of Math Analysis I and College Prep Math	1.0
Honors CC Algebra II	1.04	11-12	• Successful completion of CC Algebra I with a 90% or better OR Honors CC Algebra I with an 80% or better • Successful completion of Geometry with a 90% or better OR Honors Geometry with an 80% or better • Proficient or Advanced on the Algebra I Keystone Exam	1.0
Adv Trigonometry	1.08	11-12	Successful completion of CC Algebra II with a 90% or better OR Honors CC Algebra II with an 80% or better	1.0
Honors Calculus	1.04	11-12	Successful completion of Adv Trigonometry with an 80% or better	1.0
AP Calculus AB	1.08	11-12	Successful completion of Adv Calculus with a 90% or better	1.0
AP Calculus BC	1.08	11-12	Successful completion of AP Calculus AB with an 80% or better	1.0

CC ALGEBRA 1/2 1.0 Credit

CC Algebra 1/2 continues the algebraic concepts learned in 8th grade mathematics. Topics include solving linear equations and inequalities, graphing linear equations and inequalities, functions and their absolute value equations and inequalities, systems of equations and inequalities, exponents, polynomials including factoring, applications, and reasoning.

HONORS CC ALGEBRA 1/2 1.0 Credit

Honors CC Algebra 1/2 continues the algebraic concepts learned in 8th grade mathematics. *Students should expect more rigorous problem-solving and extended applications and strong math skills are required.* Topics include solving linear equations and inequalities, graphing linear equations and inequalities, systems of equations and inequalities, exponents, polynomials including factoring, and rational expressions, applications, and reasoning.

CC ALGEBRA I 1.0 Credit

CC Algebra I reviews and extends the concepts of CC Algebra 1/2. The concept of the real number system is extended through rational, irrational, real numbers, and complex numbers. Students continue to learn the techniques and applications (models) of a variety of topics including factoring, simplifying radicals and rational expressions, solving rational equations, systems of equations and inequalities including linear programming, a review and extension of probability and statistics, and arithmetic and geometric sequences and series, and basic quadratic equations.

HONORS CC ALGEBRA I 1.0 Credit

Honors CC Algebra I reviews and extends Honors CC Algebra ½ in an accelerated manner. The concept of the real number system is extended through rational, irrational, real numbers, and complex numbers. Students continue to learn the techniques and applications (models) of a variety of topics including simplifying radicals and rational expressions, solving rational equations, systems of equations and inequalities including linear programming, review and extension of probability and statistics, arithmetic and geometric sequences and series, quadratic equations, functions, exponential equations, and logarithms. Due to the honors level, students should expect more rigorous problem-solving and extended applications. Strong math skills are required.

GEOMETRY 1.0 Credit

The principal aim in the study of Geometry is to develop and apply the properties of points, lines, and planes and the figures they form. The relationships of triangles, quadrilaterals, and other polygons are extended to applications of area and volume. Inductive and deductive reasoning is stressed throughout the course.

HONORS GEOMETRY 1.0 Credit

This honors level course will provide a faster-paced, deeper study of the same content offered in Geometry including developing and applying the properties of points, lines, and planes and the figures they form. The relationships of triangles, quadrilaterals, and other polygons are extended to applications of area and volume. Inductive and deductive reasoning are stressed throughout the course. This honors level course will also provide more rigorous applications of Geometry to increase thinking skills and problem-solving skills.

MATH ANALYSIS I *(required for non-proficient students on the Keystone Exam)* 1.0 Credit

The course is designed to focus on the keystone assessment anchors, thus building a more focused foundation in Algebra I to improve to a proficient level on the Algebra I Keystone Exam. Students will have the opportunity to develop a deeper conceptual and practical understanding of numbers and operations, algebraic concepts (such as linear equations, inequalities, and functions), geometry, measurements, and data organizations (including probability). Through the use of higher order thinking skills and problem solving, students will implement a wide variety of mathematics to real world applications. CDT and other assessments will be used to determine necessary targeted instruction. Students who do not meet proficiency on the Algebra I Keystone Exam will automatically be placed in Math Analysis I (after successfully completing Geometry).

COLLEGE PREP MATH 1.0 Credit

College Prep Math is a mathematics course for students who need additional assistance, practice, and time to master math concepts and skills. The course focuses on reviewing geometry concepts and developing skills needed to understand radicals, complex numbers, exponents, linear, quadratic, and polynomial functions and concepts on the SAT mathematics exam. After taking this course, students would have a better understanding of the basic skills needed to take CC Algebra II. Graphing calculators will be used extensively, and therefore it is strongly recommended that each student have a TI-84+ calculator for this course.

STATISTICS 1.0 Credit

Statistics is designed to help students who anticipate entering professions such as engineering, education, psychology, social work, or business administration. Topics include measures of central tendency, measures of variability, hypothesis testing, and probability. The emphasis in each of these areas is upon giving the student enriching experiences in presentation, analysis, and interpretation of data. This course has a strong emphasis on the use of technology, hands-on activities, case studies, and using real data in applications. There will be mini-projects and formal assessments in every unit.

CC ALGEBRA II 1.0 Credit

CC Algebra II is a mathematics class for students who have successfully taken either CC Algebra I or Honors CC Algebra I and either Geometry or Honors Geometry. Emphasis is placed on strengthening and extending the skills learned in previous mathematics courses. Topics covered will include: exponents, radicals and radical equations, complex numbers, quadratic equations, rational exponents, polynomial identities and equations of higher order, rational expressions and equations, solving and graphing equations and inequalities of various types, polynomials, transformations across function types, and applications. Graphing calculators will be used extensively, and therefore it is strongly recommended that each student have a TI-84+ calculator for this course.

HONORS CC ALGEBRA II 1.0 Credit

Honors CC Algebra II is an honors level mathematics class for students who have successfully taken either CC Algebra I or Honors CC Algebra I and either Geometry or Honors Geometry. Emphasis is placed on strengthening and extending the skills learned in these previous courses. Topics covered will include: exponents, radicals and radical equations, complex numbers, quadratic equations, rational exponents, polynomial identities and equations of higher order, rational expressions and equations, solving and graphing equations and inequalities of various types, polynomials, exponential, transformations across function types, probability and applications. Due to the honors level, students should expect a faster-paced environment with more rigorous problem-solving, discussions for deeper understanding of the concepts listed above, and extended applications. Graphing calculators will be used extensively, and therefore it is strongly recommended that each student have a TI-84+ calculator for this course.

ADVANCED TRIGONOMETRY 1.0 Credit

Trigonometry is the study of triangles and the functions formed by the ratio of a right triangle. Topics covered include basic trigonometric functions, identities, and applications of trigonometric functions, exponential functions, logarithmic functions, and conic sections. This course has a strong emphasis on the use of technology with the learning of mathematics. This course is recommended for all college-bound students.

HONORS CALCULUS 1.0 Credit

Calculus is a complete course in differential and integral calculus of algebraic and trigonometric functions. Essential topics of analytic geometry are studied as are the many applications of calculus. Students completing this course would have a good foundation for the advanced placement examination in Calculus AB, but would need further study to be successful at the exam.

AP CALCULUS AB 1.0 Credit

AP Calculus is designed to prepare students to take the college placement test offered by the College Entrance Examination Board. It extends the material covered in Honors Calculus to include the topics of the AP Calculus AB Syllabus. Students completing this course will be prepared to take the AP Exam in Mathematics AB to obtain college credit. Students taking this course will take the AP Calculus AB exam in May.

AP CALCULUS BC 1.0 Credit

AP Calculus BC is designed to prepare students to take the college placement test offered by the College Board Entrance Examination. It extends the material covered in AP Calculus AB to include the topics of the AP Calculus BC Syllabus. Because of the intellectual challenges associated with the mastery of so much material and with the creative application of new ideas, students should be prepared to handle a rigorous course at a college-level. The course philosophy requires students to represent and connect calculus concepts in graphical, numerical, analytical, and verbal ways. While limits, derivatives, integrals, sequences, and series are studied individually, connections between all of them are constantly emphasized and each are used as tools to further study the others. The following types of functions are studied: polynomials, rationals, radicals, trigonometric, transcendental, parametric, polar, and vector. Applications include: tangent lines, differentials, optimization, related rates, area, volume, surface area, arc length, exponential growth and decay, and rotational systems. A strong and quick pace is required in order to complete the syllabus outlined by the College Board. Students completing this course will be prepared to take the AP Exam in Calculus BC to obtain college credit. It is expected that students taking this course will take the AP Calculus BC exam in May.

Music

All students may elect any course for which they are qualified. A student may enroll for both Lancer Band and Lancer Choir. Students with a combination of band and choir will attend band and choir rehearsal on alternating days and will receive one (1) credit for the combined courses.

Course title	Weight	Open to Grades	Prerequisites	Credit
Symphonic Band	1.0	9-12	Proficiency on an Instrument (Director Approval if not in MS Band)	1.0
Honors Symphonic Band	1.04	10-12	Currently enrolled in Symphonic Band and successful proficiency audition	1.0
Lancer Choir	1.0	9-12	None	1.0
Underclassmen Ensemble	1.0	9-11	Currently enrolled in Symphonic Band	1.0
Music for the Masses	1.0	9-12	None	1.0
Guitar	1.0	9-12	None	1.0
Digital Studio Recording I	1.0	9-12	Proficiency on an Instrument or Voice (instructor approval)	1.0
Digital Studio Recording II	1.0	10-12	Digital Studio Recording I	1.0

UNDERCLASSMEN ENSEMBLE 1.0 Credit
Grades: 9, 10, 11

Underclassmen Ensemble is designed to meet the instructional and performance needs of the developing instrumentalist. Underclassmen Ensemble is open to all students who play a band instrument, or who are interested in learning to play an instrument for the first time. Students enrolled in Underclassmen Ensemble must also be simultaneously enrolled in Symphonic Band. Students enrolled in Underclassmen Ensemble do so with the understanding that a portion of the grade for the course is derived from participation in performances, which may take place outside of the school day. Students are also expected to make a positive contribution to rehearsals and class discussion. In addition to playing techniques and musical rudiments, the course covers a vast range of styles and genres, ranging from rock and pop transcriptions to the more serious and advanced music representing the core of the wind band literature. Members are also eligible for various enrichment opportunities such as chamber ensembles, solo festivals, and auditioning for district, all-state and national honor bands. This is a full year course.

SYMPHONIC BAND 1.0 Credit
Grades: 9, 10, 11, 12

Symphonic Band is open to all students who play a band instrument. Students are expected to have reached at least an intermediate level of performance on a band instrument and must possess minimum music reading skills commensurate with the level of music studied in ensemble settings. Students enrolled in Symphonic Band do so with the understanding that a portion of the grade for the course is derived from participation in performances which may take place outside of the school day. Students are also expected to make a positive contribution to rehearsals and attend regular lessons scheduled during the day. In addition to playing techniques and musical rudiments, the course covers a vast range of styles and genres, ranging from pop and rock transcriptions to the more serious and advanced music representing the core of the wind band literature. Additional units of study will include: individual and ensemble performance skills, music theory, music history, conducting, performance on secondary instruments, history of wind music, and instrumental repertoire.

HONORS SYMPHONIC BAND 1.0 Credit
Grades: 10, 11, 12

Symphonic Band – Honors is open to any member of the high school band (by audition). This course option is designed for the advanced instrumentalist desiring a more intense program of study. The grade for this course is weighted when figured into class rank and GPA. Students must take a proficiency audition prior to enrolling for honors credit. Students enrolled in Honors Band must also be simultaneously enrolled in Symphonic Band. In addition to meeting all regular Symphonic Band course requirements, students will be required to prepare and perform two solo performances, once at the end of each semester. The solo performance will consist of a 5-10 minute performance of solo literature. The music must be serious in nature and representative of the student's ability level. Honors Band students will be expected to register for participation in Lycoming Senior County Band and audition for the PMEA District 8 Band Festival. The honors portion of the grade during first and third marking periods is based on progress toward the jury, whereas the honors portion of the grade in the second and fourth marking periods is based on the jury performance. In addition to individual study, additional units of study will include: music theory, music history, conducting, performance on secondary instruments, history of wind music, and instrumental repertoire. Applied study with a private teacher on the student's instrument is highly recommended for any student enrolled in this course.

LANCER CONCERT CHOIR 1.0 Credit

Senior High Lancer Choir represents the culmination in the Loyalsock Township choral experience. Available to students in grades nine, ten, eleven and twelve, the choir performs quality music spanning the past five centuries. The Lancer Choir performs annually at Christmas time and in the spring. In addition, Knight Music, a vocal jazz ensemble, selected from the Lancer Choir, annually presents concerts throughout the community.

MUSIC FOR THE MASSES 1.0 Credit

Music is an important part of human existence; it tells a story, captures emotions, provides us with an escape, and often provides us the inspiration for our greatest triumphs and consolation for our humblest of defeats. For students with little or no training in music, this course will approach music from a variety of examples in which music is integral in every-day life and used strategically in the world we live, including business/marketing, athletics, drama and dance, and media/TV, among many more examples.

This course explores, in a nontechnical way, the basic elements of music and discusses the various cultural contexts in which music is found and how these affect the nature of the music and the listener's perception. It will provide students with a foundation for intelligent and appreciative listening and discussion of music through an understanding of the ways in which music is put together and the characteristics of various musical styles of non-classical music. Students will explore the relationships between music and other facets of society and culture (government, sport, film, fashion, dance, etc) while considering how the music we experience helps to define us as individuals and as a society.

Students will experience new music daily. Recordings, as well as videotaped performances, will be shared during all class periods. Additionally, there will be several unique opportunities for students to attend live performances. Students will create their own music through both the use of acoustic instruments and music technology as a means to express their individuality. Upon the completion of this course, students will be able to thoughtfully analyze and discuss how music shapes their individual cultural identity and the profound impact of music in our society.

MUSIC COMPOSITION AND PERFORMANCE 1.0 Credit

Music Composition and Performance combines two previous music electives: Song Writing and Small Music Ensemble. Students who already can read music may be best served by this course in which there is a focus on both instrumental and vocal composition and performance of compositions. Students will use various devices and technology to analyze, design, compose and perform various pieces adapted to specific audiences. Students will also work as a class independently to develop their level of music reading skills and study topics related to the music being studied. Selected performances will be performed in conjunction with high school symphonic and choral performances.

Prerequisites: Some music reading capability.

GUITAR 1.0 Credit

Get out your "axe" and come on tour! Regardless of your playing level, there is a place for you in Guitar. This course will explore the many different directions with one of the most versatile instruments. Included in this course will be song performance, chords (rock and jazz), Tablature, finger picking, scales for soloing and improvisation, small ensembles and rock/familiar chord progressions. Sign up and crank it to eleven!

DIGITAL STUDIO RECORDING I and II 1.0 Credit (for each level)

Using a musical instrument or voice, this course will have you cruising on the highway of digital sound recording and performance. Regardless of your musical ability level, you will start at your own comfort level. Then the course will take a quick dive into studio track recording, utilizing GarageBand software on the iMAC computers. Sometimes you will be in the studio playing and other times in the sound booth doing the postproduction work. You will also get to create your own loops as part of the recording. You will explore track recording using Cubase Software, which is used in professional recording studios.

Physical Education and Health

Physical Education Philosophy

The purpose of physical education is to teach the whole student, not just their body and movement. Physical education provides the opportunity to teach students about movement, strategies, teamwork, problem solving and health related fitness. Exposing students to various physical activities, sports, and methods of fitness can better provide enjoyment of physical activity, as well as build social, psychomotor, and cognitive skills.

Health Education Philosophy

The overarching theme of our health curriculum is to provide all students with the skills and knowledge to practice behaviors that promote making wise choices, and have healthy responses to issues in life.

Course title	Weight	Open to Grades	Prerequisites	Credit
10th Grade Physical Education	1.0	10	None	.5
10TH Grade Health	1.0	10	None	.5
12th Physical Education	1.0	12	None	.5
Personal & Lifetime Fitness	1.0	9 & 11	None	1.0
Fitness/Conditioning	1.0	9 & 11	None	1.0

GRADE 10 PHYSICAL EDUCATION AND HEALTH 1.0 credit

The 10th grade **Physical Education** course will focus on Team and Lifetime activities. The purpose of this course is to teach students the value of staying physically active and developing their athletic skills for present and future leisure pursuits. This class is structured so that the students will meet the PA State Standards for Physical Education through a variety of team and individual activities. Students will also be encouraged to maintain and improve their fitness levels.

The 10th grade **Health** course is designed to help students learn about their changing bodies, to help them sort out emotions and personal values, to aid them in maintaining optimum health as a lifelong process, and to show students how to take responsibility for making healthy decisions. Health is all about the student: topics include real-life situations for teens. The topics areas are based on teen pressures and teenage risk behaviors:

- **Mental Health**: dealing with stress, depression, suicide; having empathy for others; violence prevention; positive self-esteem; handling peer pressures; making decisions; anger management; communication skills; dealing with bullies; and more…
- **Sexuality**: understanding reproductive anatomy and related issues; preventing sexually transmitted infections (diseases) and pregnancy; benefits of abstinence; recognizing healthy and unhealthy relationships; birth control.
- **Smoking/ Alcohol/ Drugs**: understanding the dangers of substance use and help them knowing how to be above the influence to use.
- **Nutrition**: balanced eating; understanding nutrients; reading food labels; the importance of exercise; the dangers of many diets and eating disorders.

GRADE 12 PHYSICAL EDUCATION 0.5 credit

This course will focus on team, lifetime, wellness and fitness activities. The primary goal of the course is to teach the value of staying physically active and provide skills to attain and maintain fitness throughout life.

PERSONAL & LIFETIME FITNESS (Open to Grade 9 & 11 only) 1.0 credit

This course identifies and emphasizes activities that can be implemented into an individual's continual pursuit toward healthy living across a lifetime. Instruction will include personal fitness and wellness training. Training activities include fitness walking, jogging, bicycling, yoga, stability ball exercises (use of our cardio-fitness room).

Course Requirements:

- Only students who are interested in getting a daily low-impact cardio work-out should sign up for this elective (non traditional PE activities)

FITNESS/CONDITIONING (Open to Grade 9 & 11 only) 1.0 credit

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Students will be tested in a variety of health/skill related components of fitness at the beginning, mid-way, and at the end of the semester. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Course Requirements:

- Only students who are interested in strength training and fitness program development should sign up for this elective (non traditional PE activities).

Science

Course title	Weight	Open to Grades	Prerequisites	Credit
Earth & Environment	1.0	9	None	1.0
Honors Earth & Environment	1.04	9	90% or better in 8th Grade Science class	1.0
Biology	1.0	10	None	1.0
Honors Biology	1.04	10	•	
AP Biology	1.08	10-12	• 90% in Honors Earth and the Environment • Special note: If a student fails the first semester of AP Biology Cells and Genetics, he/she will be placed in academic Biology in place of AP Biology Organisms and Populations to earn the second credit	1.0
Chemistry	1.0	11-12	• Proficient or better on the Biology and Algebra I Keystone Exams • Completion of at least Algebra 1	1.0
Honors Chemistry	1.04	11-12	• Successful completion of CC Algebra II or taking CC Algebra II concurrently • 90% or better in high school math and science courses • Proficient or better on the Biology and Algebra I Keystone Exams	1.0
AP Chemistry	1.08	11-12	• Successful completion of Honors Chemistry with a grade of 90% or better • Successful completion of CC Algebra II or higher • Advanced on the Biology and Algebra I Keystone Exams *recommended*	1.0
Physics	1.0	11-12	• Completion or are concurrently enrolled in College Prep Math or higher. • Proficient or better on the Biology and Algebra I Keystone Exams	1.0
Honors Physics	1.04	11-12	• Successful completion of CC Algebra II • 90% or better in high school math and science courses • Strongly recommended that students are concurrently enrolled in Trigonometry or higher • Proficient or better on the Biology and Algebra I Keystone Exams	1.0
AP Physics	1.08	11-12	• Successful completion of Honors Physics with a grade of 90% or better • Successful credit and completion of Trigonometry • Taking Honors Calculus and AP Calculus concurrently	1.0
Integrated Physical Science	1.0	11-12	• Successful completion of Earth & Environment and Biology • *Intended for those students pursuing a technical/vocational pathway.*	1.0
PCNOW 103: Human Anatomy & Physiology	1.08	11-12	Credit earned and successful completion of Biology with at 80% or better	1.0
Principles of Biomedical Science	1.0	9-12	• Successful completion of Earth & Environment • Biology or concurrently taking Biology	1.0

EARTH AND THE ENVIRONMENT 1.0 Credit

This course is designed to give students a sound foundation in Earth systems and environmental science. Students will use a variety of resources including lab investigations, computer models, computer applications, research projects, and field studies to enhance their environmental awareness and scientific understanding of the Earth and environmental. Topics to be investigated include the natural forces that affect the earth, hydrology, soil composition, meteorology, ecosystems, populations, Earth's resources and alternative energy resources

HONORS EARTH AND THE ENVIRONMENT 1.0 Credit

In this class, introductory principles of Earth systems and environmental science, including the solar system, plate tectonics, energy, biogeochemical cycles, the atmosphere, weather, climate, ecology and Pennsylvania geology. Students enrolled in this course analyze and describe Earth's interconnected systems and how they are changing due to natural processes and human influence. Students will evaluate evidence from experiments and technology used by scientists to understand the nature of the universe and the Earth and the human impact on the environment. Students will also explore and evaluate alternatives to the existing environmental conditions in terms of scientific or technological feasibility, cost, the effect on the economy, and the quality of life in the community.

Course Recommendations:

- A benchmark of 90% or better in ALL middle school science classes
- Proficient or better on past PSSAs

BIOLOGY 1.0 Credit

Biology is designed to teach students the unifying principles that consume the study of life. The subject matter focuses on common life processes. The course traces biological organization from the cellular level to the entire organism. The course gives students a solid understanding of the common themes associated with the many fields within the biological sciences. Students will use a variety of resources including laboratory investigations, computer applications, and research projects to enhance their understanding biology. All nine benchmark topics will be covered and reviewed in preparation for the Biology Keystone, which will occur at the end of the semester.

Course Requirement: Credit earned in Earth & Environment or Honors Earth & Environment

HONORS BIOLOGY *(NEW for 2018-19)* 1.0 Credit

Honors Biology is designed to teach students the unifying principles that consume the study of life **at a deeper level and faster pace than Biology.** The subject matter focuses on common life processes. The course traces biological organization from the cellular level to the entire organism. **Students will be asked to analyze and synthesize with critical thinking skills**. All nine benchmark topics will be covered and reviewed in preparation for the Biology Keystone, which will occur at the end of the semester. **Laboratory investigations will include formal lab reports in addition to the core labs that will be run throughout the semester.**

Course Requirement: Credit earned in Earth & Environment or Honors Earth & Environment

Course Recommendation: A benchmark of 90% in Earth and Environment or a benchmark of 85% in Honors Earth and the Environment

AP BIOLOGY **- CELLS AND GENETICS** 1.0 Credit
- ORGANISMS AND POPULATIONS 1.0 Credit

AP Biology is a yearlong course that should be taken by students that plan to major in a field related to the biological or health sciences. This course is designed to be equivalent to a freshman biology class at the collegiate level. For some students, this course enables them to undertake, as freshmen, second-year work in the biology sequence at their institution or to register in courses in other fields where biology is a prerequisite. For other students, the AP Biology course fulfills the laboratory science requirement and frees time for other courses. AP Biology will follow the College Board's Advanced Placement guidelines and

prepare students for the Advanced Placement exam given annually in May. The AP Biology curriculum will be divided into two semester courses. The first semester will focus on molecules, cells and genetics. The second semester will focus on evolution, organisms (plants and vertebrates) and populations (principles of ecology and animal behavior).

In addition to the course content, there are several mandatory laboratory investigations that must be completed per the College Board guidelines. Good problem solving and critical thinking skills are necessary in order to be successful in the laboratory section of this course.

Time Allocations: At least five hours a week in unsupervised individual study in addition to regular class assignments.

Requirement:

- This course is a **two-semester commitment**. If a student fails to earn a credit in AP Biology Cells and Genetics, he or she will be placed in academic Biology in place of AP Biology Organisms and Populations for the second credit.

Course Recommendation:

- A benchmark of 90% in Honors Earth and the Environment to achieve success in this course

INTEGRATED PHYSICAL SCIENCE 1.0 Credit

This course is intended for those students pursuing a technical/vocational pathway.

Physical Science is a course that explores the relationship between matter and energy. The student will investigate the following: force and motion, structure and properties of matter, interactions of matter and energy. It is the expectation that students will experience the content of Physical Science through inquiry learning. Hands-on laboratory investigations, individual studies, and group activities will be emphasized throughout the learning experience. Using available technology, students will investigate forces and motion, the chemical and physical properties of matter, the ways in which matter and energy interact within the natural world and the forms and properties of energy. Integration of earth and space science will occur when and where the connections occur. Conservation of matter and energy is an underlying theme throughout the entire course. Physical Science will provide the knowledge, prerequisite skills, and habits of mind needed for problem solving and ethical decision-making about matters of scientific and technological concern. Students planning collegiate studies after graduation should plan to enroll in Chemistry/Physics or Honors Chemistry/Honors Physics.

CHEMISTRY 1.0 Credit

This course is intended for those students NOT planning to continue their education in a science-related field.

Chemistry is often referred to as the 'central science', because to understand the living and material world a person must have a basic understanding of chemical principles. This course will expose all students to the basics of measurement, composition and structure of matter, as well as the changes that matter undergoes. Through the study of how and why these changes occur, students will be able to describe a predicted outcome and understand the application of this knowledge to the real world. Hands-on laboratory activities will be performed to reinforce the content being presented in the course. Safety, ability to follow directions and work independently, as well as proper recording of data will be stressed. Students will be exposed to basic problem solving and math skills that are required for the handling, application, and display of data. Students should successfully complete a first year algebra course prior to taking any Chemistry course.

Recommendations:

- Proficient or better on the Biology and Algebra I Keystone Exams to achieve success in this course
- Recommended that students have completed Algebra 1

HONORS CHEMISTRY 1.0 Credit

This course is intended for academic students who are college bound with plans to major in a science related field and/or prepare for the AP Chemistry course.

Chemistry is often referred to as the 'central science', because to understand the living and material world a person must have a basic understanding of chemical principles. This course will expose students to the basics of measurement, composition and structure of matter, as well as the changes that matter undergoes. Through the study of how and why these changes occur,

students will be able to qualitatively and quantitatively predict outcomes and understand the application of this knowledge to the real world. Laboratory activities will be done to reinforce understanding and to test predictions. There will be an emphasis on the collection and recording of data, mathematical manipulation of data to evaluate the results of experiments, and the reporting of these results in a scientific context. Experimental design, multi-step problem solving, and the use of mathematical models in understanding and predicting observed results will be stressed throughout the semester.

Requirement:
- Successful completion of CC Algebra II or taking CC Algebra II concurrently

Recommendations:
- A benchmark of 90% or better in high school math and science courses is strongly recommended for students interested in taking this course.
- Proficient or better on the Biology and Algebra I Keystone Exams to achieve success in this course

AP CHEMISTRY 1.0 Credit

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year.

For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. AP Chemistry should meet the objectives of a good general chemistry course. Students in such a course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory.

Time Allocations: At least five hours a week in unsupervised individual study.

Course Requirement:
- Successful completion of Honors Chemistry with a grade of 90% or better
- Successful completion of CC Algebra II or higher

Course Recommendations:
- A benchmark of 90% or better in high school math and science courses is strongly recommended for students interested in taking this course.
- Advanced on the Biology and Algebra I Keystone Exams to achieve success in this course

PHYSICS 1.0 Credit

Physics is the study of the physical phenomena that we encounter in our daily lives. It will attempt to explain the puzzling nature of such things as automobile crashes, projectiles moving through the air, sound waves, motion of orbiting objects, image creation by mirrors, and the selection of appropriate eyeglass lenses by your optometrist. Students work with the instructor to learn Physics through a method of engagement, exploration, and explanation. The course is intended to fulfill a physical science prerequisite for those students preparing for a technical school education or for those students who wish an elementary knowledge of physics. Mathematics will be limited to the use of arithmetic, algebra, and a lot of graphs. Emphasis will be placed on verbal and written explanations of physical events. Laboratory activities will be prevalent. Students wishing for a more in-depth study of mechanics and other physical principles in preparation for future scientific study (including any medical, dental, engineering, chemical, biological, environmental, or physiological field) should choose HONORS PHYSICS.

Course Recommendations:
- Strongly recommended that students have completed or are concurrently enrolled in College Prep Math or higher.
- Proficient or better on the Biology and Algebra I Keystone Exams

HONORS PHYSICS 1.0 Credit

This course is intended for academic students who are college-bound with interest or plans to major in a science related field and/or prepare for the AP Physics course.

Physics is the study of the physical phenomena that we encounter in our daily lives. Physics is a "mathematical science" that gives students an opportunity to use many of the mathematical concepts that they have acquired over your years of education. Physics is a fascinating study of the characteristics of matter and energy and their relationship to each other. It emphasizes the application of mathematics as a tool to describe the physical universe that surrounds us. The course will focus on Mechanics (as opposed to Electricity and Magnetism) and includes the traditional study of Newtonian mechanics, linear and multi-dimensional kinematics, circular motion, oscillations, sound, and basic optics. The concepts are presented at a level that requires an understanding of algebra, plane geometry, graphing techniques and the trigonometry of the right triangle. Students work in teams and with the instructor to learn physics through a method of engagement and exploration. This course is intended for students interested in math or science or planning to pursue any science or math related field at the collegiate level.

Course Requirement:
- Successful completion of CC Algebra II
- Strongly recommended that students are concurrently enrolled in Trigonometry or higher.

Course Recommendations:
- A benchmark of 90% or better in high school math and science courses is ***strongly recommended*** for students interested in taking this course.
- Proficient or better on the Biology and Algebra I Keystone Exams

AP PHYSICS 1.0 Credit

AP Physics is intended for those students with interest in or who plan to major in the physical sciences, mathematics, engineering, or medical field and who plan on taking the AP Physics C – Mechanics Exam. AP Physics is a continuation of the Honors Physics course with specific emphasis on integration of the calculus underpinnings of the field. This class is intended to be representative of a common college or university level Physics class including mechanics and dynamics (as opposed to electricity and magnetism). The main emphasis of AP Physics at Loyalsock Township High School is to develop the students' abilities to read, understand, and interpret physical information in a verbal, mathematical, and graphical context. Additionally, students will be expected to describe and explain the sequence of steps in the analysis of a particular physical phenomenon or problem. Students will need to use significant mathematical reasoning including arithmetic, algebraic, geometric, trigonometric, and calculus principles. Students will be prepared for the Advanced Placement Level C-Mechanics Examination.

Course Requirement:
- Successful completion of Honors Physics
- Successful completion of Trigonometry
- Taking Honors Calculus and AP Calculus concurrently

Course Recommendations:
- A benchmark of 90% or better in high school math and honors physics courses are *strongly recommended* for students interested in taking this course.

HUMAN ANATOMY & PHYSIOLOGY/PC NOW BIO 103 1.0 Credit

Human Physiology is an elective course in science that studies structure, function relationships, and homeostasis. Knowledge from such a study makes it possible to predict how a cell, organ, or organ system will respond to various stimuli, and how this response affects the whole person. These studies are essential for anyone who plans to pursue a career in the health sciences, psychology, or physical education. In addition, the student's ability to evaluate her/his own physiological activities, understand recommended treatments, critically evaluate advertisements and reports in popular literature, and interact with health professionals is improved with this background. The student can expect to study the major body systems with emphasis on cytology, system dissections, nutrition, and genetics. **Dissection** will be a **mandatory** part of this course.

Course Requirement:
- Credit earned and successful completion of Biology with at 80% or better final average.

Course Recommendation:
- As a Penn College course, students with a strong work ethic who desire a rigorous, college-level experience should consider this course.

PRINCIPLES OF BIOMEDICAL SCIENCE **(Not offered in 2018-19 SY)** 1.0 credit

This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes and allow students to design experiments to solve problems. Key biological concepts including maintenance of homeostasis in the body, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. This course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses.

Prerequisite:
- Successful completion of Earth and the Environment
- Biology or concurrently taking Biology

Social Studies

Course title	Weight	Grades	Prerequisites	Credit
U.S. History	1.0	9-10	None	1.0
World History	1.0	9-10	None	1.0
AP World History	1.08	10	90% in previous history class	1.0
American Systems	1.0	11-12	U.S. History, World History or AP World History	1.0
Modern U.S. History	1.0	11-12	U.S. History	1.0
AP Psychology	1.08	11-12	90% in History coursework, Successful completion of Biology	1.0
Military History	1.0	11-12	U.S., World History	1.0

U.S. HISTORY 1.0 Credit

Twentieth Century American History will trace the history of America from the turn of the Twentieth century up to and including World War II. The content will be examined using a variety of learning opportunities, and assessments. Students will have the opportunity to explore history using technology, literature, and media.

WORLD HISTORY 1.0 Credit

This course is based upon different theories of interpretation and comparison in religion, culture and conflict. Students will gain a cross cultural understanding and personal comprehension of global disagreement. In each unit, students will examine both the history and current issues surrounding international turmoil.

A.P. WORLD HISTORY 1.0 Credit

The AP World History course analyzes the changes and evolution of civilization that have occurred throughout time. Students will evaluate common themes in humanity (i.e.: trade, religion, politics, technology, and customs) and examine how these subjects have affected the development of the World and its varying cultures. This course is designed so that students will not only understand and apply historical facts to World events, they will also have the opportunity to make connections between historical knowledge and their own lives. Knowing how one's life is situated in a specific world context will only enhance a student's appreciation for an expanded World-view as they realize how numerous and diverse personal perspectives support a global historical perspective.

The AP World History course is treated as an equivalent of a college-level survey course in world history. Students will be expected to maintain the highest standards of academic excellence throughout the course. It is the expectation that students in this course will take the AP World History examination.

MODERN HISTORY 1.0 Credit

This course entails the study of *U.S. international relations, domestic policy, and history*. The course primarily addresses *events* from World War II to the present. Students will analyze historical events, global trade, global cooperation, environmental issues, human rights, and other world-wide events. Students will deal with problem solving skills and address issues that their generation may face in future years. Open to 11th and 12th grade students only.

AMERICAN SYSTEMS 1.0 Credit

The combined course work of American Government and Economics is designed to introduce students to individual roles in various aspects of American Citizenship. This class will address the foundations, philosophies, structure, and interplay between and amongst levels of government of the United States. To parallel this introduction, students will also become acquainted with the Economic system operating in the United States.

The specifics of the government portion may include a familiarization with Legislative, Executive, and Judiciary process, and how governments serve their constituents, state and local concepts, and a consideration of the complexities of municipal governments and their immediate problems may be addressed. The specifics of the economic portion may include basic economic principles, the free market system, labor and management, contracts, division of labor, international trade, Federal Reserve policy, international finance, and the roles of government financing and spending. Open to 11th and 12th grade students only.

AP PSYCHOLOGY 1.0 Credit

For the past few years we have offered this course through our virtual program. Because of its popularity, we now offer AP Psychology within the classroom setting here at Loyalsock. AP Psychology is a college level social studies course designed to introduce students to the methodical study of human behavior and mental processes. Throughout the course, students are exposed to the psychological facts, principles, and issues associated with the major fields of psychology. The scientific and practical use of ethics and research methods are also a major component of the course. Students will take part in a great deal of reading and experimentation throughout the course.

MILITARY HISTORY 1.0 Credit

Military History examines the study of the nine forms of offensive engagement within a modern military. Course topics include study of various wars, leaders within wars, Sun Zi's "Art of War," and various analysis of tactical analysis of battle fields.

Technology Education

Course title	Weight	Open to Grades	Prerequisites	Credit
Pre Engineering & CAD	1.0	9-12	None	1.0
Graphic Design	1.0	9-12	None	1.0
Multimedia I	1.0	9-12	None	1.0
Multimedia II	1.0	10-12	Grade of 80% or better in Multimedia I	1.0
Honors CAD	1.04	9-12	Pre Engineering & CAD	1.0
Honors Engineering	1.04	9-12	Pre Engineering & CAD	1.0
Woodworking	1.0	9-12	None	1.0

GRAPHIC DESIGN 1.0 Credit

This course centers on computer generated graphics and gives the student the opportunity to learn industry-standard software programs. Design, problem solving, and creativity are concepts that students will learn through instruction and hands-on design problems. Students planning careers in desktop publishing, web design, advertising art, and graphic design should take this course.

MULTI-MEDIA I 1.0 Credit

Students will be introduced to professional production techniques and equipment used within the communications industry. Students learn how to utilize HD video cameras, professional editing software, and hardware. Another large part of this class focus will be film analysis. Students will learn the industry techniques used to create multimedia video. Students will have the opportunity to create commercials, documentaries, short film, and other projects related to the Communications industry. Students looking to seek careers in Business Marketing, Film, Communications, Journalism, or any related career would greatly benefit from this class.

MULTI-MEDIA II 1.0 Credit

This semester course will have students continue to independently study the electronic media of television communication concentrating on producing shows. Students will be introduced to the use of audio and video mixers and other equipment used in the studio and control room. Students will complete a variety of video assignments including assisting in documentaries for the Loyalsock Township School District. Each student will be expected to produce a one half hour show that could be featured on an internet show and/or a local cable network. Students will also be encouraged to produce segments for entry in various contests for scholarship opportunities. Each student will be expected to produce a minimum of six final edited projects that total a minimum of 45 minutes. The final project assignment will be to produce a custom DVD Portfolio which includes a compilation of all work throughout the year. Students will be utilizing professional software such as Adobe After Effects and Adobe Premiere Pro. Students will learn advanced editing techniques such as: Cropping, Motion tweens, Chroma Key, lighting techniques, Computer Animation, and Key framing.

Prerequisite: completion of Multimedia Production I with a 80% or better grade in Multimedia I.

PRE-ENGINEERING & CAD 1.0 Credit

Pre-Engineering & CAD is designed to introduce and learn the basic concepts of Mechanical Sketching & CAD . Throughout the course students will learn a variety of concepts related to Engineering. Topics included in the course will be geometric constructions, dimensioning, orthographic projections, and sectioning. Students will gain insight into related Engineering career opportunities as well as grasp a concept of industry language. Computer Aided Drafting (CAD) will be used throughout the course. This course will be beneficial to anyone considering a career in any form of industry including: Engineering, Design, Technical Drawing, Surveying, Fashion Design, Architecture, Interior Design, and Electronics.

HONORS CAD 1.0 Credit

Advanced CAD is a continuation of the study of Pre-Engineering and CAD. The course will be divided up into three sections. The first section will be further developing and reinforcing the student's skills using the CAD program, beginning with a review from Pre-Engineering and CAD while creating a set of working drawings and parametric models. The study of Architecture in residential and commercial design will be the main focus of study in the 2nd section of the course. Students will create designs and build models to test designs. Finally, the students will be spending a good deal of time designing and building a scale model of their own residential building. Students will create floor plans, kitchen and bath layouts, elevation views, site plans, and renderings from drawings. Career opportunities in the Architectural and Civil Engineering fields will be the major themes in this course.

Prerequisite: Pre-Engineering & CAD

HONORS ENGINEERING 1.0 Credit

This course is designed to give students the opportunity to explore engineering as it relates to industrial processes and products in the areas of manufacturing, transportation, control technology, and communication. An overview of the fields of mechanical, electrical, architectural, industrial, civil, and fluid engineering will be covered. Simple machines, measuring, CAD, design, quality control, computer control, safety and testing will be included. The students will gain an understanding of the applicable laws of physics, including Ohm's Law, Pascal's Law, Boyle's Law, and Newton's Laws. The students will have the opportunity to create projects and/or products in the field for which they have an interest. Special emphasis will be placed on educational requirements and career opportunities for the various fields of Engineering.

Prerequisite: Pre-Engineering & CAD

WOODWORKING 1.0 Credit

Woodworking is a project-oriented course in which students will be exposed to all phases of basic and advanced woodworking techniques. The knowledge of the tools, machinery, and operations used in the course are transferable to most any career in industry today. Students do not need experience with wood or woodworking machines but will need to bring self-motivation and desire to class with them. Student students will work individually (with instructor assistance) on a project made of wood which is chosen to match their interests and needs. Each student will have the opportunity to utilize the computer controlled (CNC) router to engrave clip art, words or other designs into their projects.

Students will be expected to bear the cost of their chosen materials.

World Language

All World Language courses are sequential and elective in nature. The student enters the program at Spanish I. Upon completion of Spanish I, the student should consult with the instructor in order to determine proper placement for the higher level courses. There is a possibility that Spanish IV may be offered every other year; dependent on enrollment.

Course title	Weight (Academic, Honor, AP)	Open to Grades	Prerequisites	Credit
Spanish I	1.0	9-12	None	1.0
Spanish II	1.0	9-12	Successful completion of Spanish I with a recommended 80% or higher	1.0
Spanish III	1.0	10-12	Successful completion of Spanish II with a recommended 90% or higher	1.0
Honors Spanish IV	1.04	10-12	Successful completion of Spanish II and III with a recommended 90% or higher in Spanish 3	1.0
Advanced Spanish V	1.08	11-12	Successful completion of Spanish III and IV with a recommended 90% or higher in Spanish IV	1.0

SPANISH I 1.0 Credit

First year Spanish students learn high-frequency vocabulary and sentence structures through a blend of TPRS (Teaching Proficiency through Reading & Storytelling), CI (Comprehensible Input) methods, and thematic units. The focus is narration in the present tense. Content is taught through listening to and reading stories, songs, short biographies, etc. Cultural components are embedded into instruction. Students are expected to read a short, leveled novel. Students learn to speak, read, write and listen to Spanish. Students will exit this course as novice-high language learners, based off of ACTFL Proficiency Guidelines.

SPANISH II 1.0 Credit

Spanish 2 is a continuation of Spanish 1. Students continue to learn high-frequency vocabulary through the TPRS, CI methods, and thematic units. The focus of instruction is on narration in the past tense. Cultural components are embedded into instruction. Speaking, listening, reading and writing remain the focus. Students are expected to read leveled novels. Students will exit this course as intermediate language learners, based off of ACTFL Proficiency Guidelines.

Prerequisite: Successful completion of Spanish I (recommended 80% or higher in Spanish 1)

SPANISH III 1.0 Credit

In Spanish 3 the vocabulary and grammar are more advanced so students are able to produce more spontaneous conversations and communicate in real life situations. Themes could include: preparing food, discussing contemporary life (culture), volunteering in the community, and expressing future goals in Spanish. By the end of this course, students will acquire a strong base of grammatical concepts. Speaking, listening, reading, and writing will remain the focus, as the course will be taught 90% in Spanish. Students will exit this course as intermediate-high language learners, based off of ACTFL Proficiency Guidelines.

Prerequisite: Successful completion of Spanish II (recommended 85% or higher in Spanish 2)

HONORS SPANISH IV 1.0 Credit

In Spanish 4, students will reinforce grammatical concepts as they focus on miscellaneous contemporary topics of interest. Vocabulary is considerably expanded and grammatical concepts are explored in depth. Most topics are abstract and require deeper level thinking skills in Spanish. The class will focus on: immigration, machismo, women rights, Hispanic art and architecture, plus social customs and values. Students will be daily encouraged to articulate their opinions and ideas accurately in Spanish. All communicative skills, listening, reading, writing and speaking, are further developed so that students can exit as an advanced-low language learner, based off ACTFL Proficiency Guidelines. This course is equivalent to a second level college course and will be taught entirely in Spanish. Students are highly encouraged to take the National Spanish Exam upon completion of this course.

Prerequisite: Successful completion of Spanish II and III (recommended 85% or higher in Spanish 3)

HONORS SPANISH V 1.0 Credit

Spanish 5 students will reinforce and expand vocabulary and grammar concepts that will allow them to successfully and spontaneously communicate in a wide variety of topics by utilizing all language skills. Topics include, but are not limited to: classic and modern literature, art, cultural diversity in the US (families and communities), Global challenges, and Science and Technology. This course will be enriched with authentic resources and will offer a deeper understanding of cultural diversity. All communicative skills are further developed so that students can exit as an advanced-mid language learner, based off ACTFL Proficiency Guidelines. This course is equivalent to a third level college course and will be taught entirely in Spanish. Students are highly encouraged to take the National Spanish Exam upon completion of this course.

Prerequisite: Successful completion of Spanish III and IV (recommended 90% or higher in Spanish IV)