

Conemaugh Township Area High School



Curriculum Guide 2022-2023

TABLE OF CONTENTS

I.	GENERAL INFORMATION.....	3
II.	PROCEDURE FOR SELECTION OF COURSES.....	3
III.	GRADUATION REQUIREMENTS.....	4
IV.	PROMOTION POLICY.....	4
V.	DROP/ADD PROCEDURE.....	5
VI.	WEIGHTED COURSES	5
VII.	SENIOR CAREER SEMINAR.....	6
VIII.	GREATER JOHNSTOWN CTC.....	7
IX.	EDUCATION WORK RELEASE PROGRAM.....	8
X.	COLLEGE PREPARATORY COURSE SEQUENCE.....	9
XI.	COLLEGE IN HIGH SCHOOL.....	10
XII.	ASSOCIATES PROGRAM.....	11
XIII.	SCHEDULING NOTES.....	12
XIV.	COURSE PREREQUISITES.....	13
XV.	COURSE DESCRIPTIONS.....	14
	A. English.....	14
	B. Social Studies.....	19
	C. Mathematics.....	22
	D. Science.....	24
	E. World Language.....	26
	F. Art.....	28
	G. Performing Arts.....	29
	H. Technology Education.....	30
	I. Health & Physical Education.....	32
	J. Computer Education.....	33
	K. Business Education.....	34
	L. Career Development.....	35
XVI.	CAREER READINESS.....	35

I. GENERAL INFORMATION

Dear Parent(s)/Guardian(s) and Students,

This Curriculum Guide is distributed to explain the 9th, 10th , 11th, and 12th grade curricula and course options offered at the Conemaugh Township Area School District for the 2022-2023 school year. This guide contains descriptions of courses, graduation requirements, and information about special programs available to our students. Please take the opportunity to review the course offerings carefully to be certain your student is selecting courses that are of a personal interest and that will fulfill the graduation requirements established by the Conemaugh Township Area School District. Check the necessary prerequisites for each course requested.

For help with any scheduling needs, contact:

Kelly M. Birkhimer, High School Guidance Counselor

Email: kelly.birkhimer@ctasd.org

Phone: 814-479-7886 x3732

II. PROCEDURE FOR SELECTION OF COURSES

Students should study the entire program of courses that are offered at Conemaugh Township High School. Familiarize yourself with the course offerings and how they can help you meet your educational and vocational goals. It is the policy of the school to consider the individuality of each student and to plan with the student a program best suited to his/her needs.

Discuss with your parents, teachers and counselors your educational and post-high school plans. Keep in mind the subject areas in which you have been successful and unsuccessful up to now and the results of predictive tests you have taken. Always keep in mind the graduation requirements and select courses that are suitable for you considering your skills and abilities, as well as, supportive of your future academic and vocational plans.

In the spring, your guidance counselor will help you build your schedule for the following school year. You will be given a course selection sheet and a username/password combination to log in to PowerSchool for scheduling purposes.

On your course selection sheet:

1. Print your name in the space provided.
2. Indicate your career interest even though your plans may be vague.
3. If you are planning to go to college, indicate the college of your interest even though the choice may be tentative.
4. Circle your subject choices -- be sure to review the suggested patterns of study, course descriptions and recommended prerequisites.
5. Have a parent or guardian sign the bottom of your selection sheet to represent their approval of the courses you have selected.
6. Return the course selection sheet to the guidance office by the date specified by your counselor.

III. GRADUATION REQUIREMENTS

Credits are earned through satisfactory completion of the following courses of study, which requires earning a minimum of 62% as a final grade.

Full Time Student

1/2 Day GJCTC Student

SUBJECT	REQUIRED CREDITS		SUBJECT	REQUIRED CREDITS
English	4		English	4
Science	3		Science	2
Mathematics	3		Mathematics	3
Social Studies	4		Social Studies	3
Arts & Humanities	2			
Health & Phys Ed	2*		Health & Phys Ed	2*
Electives	8		Electives and/or GJCTC (4 cr/yr)	12
Public Speaking (Gr.12)	.5		Public Speaking (Gr.12)	.5
Personal Money Mgt (Gr. 12)	.5		Personal Money Mgt (Gr. 12)	.5
Sr. Career Seminar	.50		Sr. Career Seminar	.50
TOTAL CREDITS	26.5		TOTAL CREDITS	26.5

*NOTE: The number of courses selected each year and the number of weighted courses selected each year may have an effect on the GPA for final high school ranking.

IV. PROMOTION POLICY

Grade 9 -- For promotion from eighth grade to ninth grade, a student must earn at least three (3) eighth grade academic units. These units are earned by having a passing grade or a "P" in the following eighth grade subjects: English, Science, Mathematics, American Cultures II

Grade 10 -- For promotion from ninth grade to tenth grade, a student must earn at least 6.50 credits.

Grade 11 -- For promotion from tenth grade to eleventh grade, a student must earn at least 13 credits in the ninth and tenth grade.

Grade 12 -- For promotion from eleventh grade to twelfth grade, a student must earn at least 19.50 credits in grades nine, ten, and eleven.

***If a required course is failed, the student must retake the course. If the student decides not to recover that credit during summer school, they do so with the knowledge that they will not remain on track for graduation.*

V. DROP-ADD PROCEDURE

Students will only be permitted to drop a course for academic reasons. Students will have five school days from the start of the school year to make changes to their schedule with no penalty. If a student drops a course after five days, without the teacher's recommendation, they will receive a "WF" on their transcript.

Students are required to complete a Drop/Add form, which is available in the guidance office, in order to make any changes to their schedule.

VI. WEIGHTED COURSES

As determined by the curriculum committee and based upon course rigor, weighted courses are as follows:

.08	.06	.03
AP Calculus AB	Spanish IV	Spanish III
AP Calculus BC	Honors Pre-Calculus	French III
AP Physics	Honors Government/Economics	Honors Civics
AP Music Theory	Honors Global Studies I	Honors Environment and Ecology
AP Language & Comp	Honors Global Studies II	Honors Geometry
AP Literature & Comp	Physics	Algebra II
	Honors Biology	Trig/Statistics
	Biology II	Intro to Music
	Chemistry II	Creative Writing
	Honors English 11	Honors English 9
	Honors English 12	Honors English 10
	Anatomy	Public Speaking
	Honors Algebra II/ Trigonometry	Microcomputer Applications

The bonus for a weighted course will be an additional 8%, 6%, or 3%. This bonus will be utilized only for GPA/Class Rank purposes. Students will receive the earned percentage on their report cards.

VII. SENIOR CAREER SEMINAR

Conemaugh Township's Senior Career Seminar experience seeks to provide students with an important challenge: to do some serious thinking about a possible career choice, then put that thinking into action by both job shadowing and researching this field of interest. The experience begins in the spring of the junior year, when students are asked to select a career area for shadowing. Each junior is expected to take the initiative to locate a mentor and arrange for a shadowing experience to take place during the summer prior to the start of the senior year, with the exception of those students shadowing anyone in education. In addition to the minimum expectation of eight hours of shadowing, students will keep a detailed log of the experience and conduct two interviews. In the fall/winter of their senior year, students will conduct career-related research and begin planning a PowerPoint presentation; presentations are generally scheduled for early March.

Successful accomplishment of the Senior Career Seminar enables students to demonstrate competency in Pennsylvania's standards related to Career Education and Work. These include the expectations that students will:

- A. Relate careers to individual interests, abilities, and aptitudes
- B. Analyze career options
- C. Analyze how the changing roles of individuals in the workplace relate to new opportunities within career choices
- D. Evaluate school-based opportunities, including graduation/senior project (among other options)
- E. Justify selection of a career
- F. Analyze the relationship between career choices and career preparation opportunities
- G. Assess the implementation of an individual career plan
- H. Review that plan

The Conemaugh Township Area School District requires completion of this culminating project, assuring that each student is able to apply, analyze, synthesize, and evaluate information and communicate significant knowledge and understanding of their future career and /or collegiate planning.

Progress on the Senior Career Seminar requirement is monitored by the senior English instructor, although it does not earn points toward the English grade. Meeting progress deadlines and completing all components will result in a final grade (100 points possible); this score will appear on the last report card for the grade 12 year and earns .5 credits toward graduation.

Please plan to complete your seminar hours over the summer. All students shadowing in the educational field should complete their hours by the end of the first marking period. We will then move to the research and presentation phase of the seminar requirement.

The Senior Career Seminar is much more than a graduation requirement . . . it is an opportunity for you to investigate a possible future career. Have a great experience, document your efforts, and come to school next fall ready to put together a fantastic presentation!

VIII. GREATER JOHNSTOWN CAREER AND TECHNOLOGY CENTER

Vocational and technical education is available to students in grades ten, eleven, and twelve who qualify. These programs count as 4 academic credits. The Greater Johnstown Area Career and Technology Center is an extension of your high school. The following education programs are available:

Collision Repair and Refinishing
Auto Repair Technology
Lab Technology
Machine Tool Technology
Construction Trades
Cosmetology
Culinary Arts
Diesel Mechanics
Early Childhood Education
Graphic and Digital Media Design
Health Assistant
Welding
Building/Property Maintenance & Management
Hybrid, program operates with-in your school
Sports Medicine

Students in grade 9 will have the opportunity to tour the GJCTC in the fall. There is also an Open House one evening each fall that is open to the public, including interested students and their parents.

Students who are interested in attending GJCTC must submit a completed application, signed by a parent or guardian, to the guidance office within 1 week of scheduling their courses for the following school year. Applications are available in the guidance office.

RECOMMENDED COURSE SEQUENCE

GRADE 9

English
Envir/Eco
Mathematics
Civics
Lang./ Elective
Short Courses
Elective
Phys Ed

GRADE 10

English
Global Studies I
Mathematics
Health (sem)
Phys Ed

GRADE 11

English
Biology
Mathematics
Phys Ed

GRADE 12

English
Govt/Econ
Public Speaking
Personal Money Mgt
Phys Ed

IX. EDUCATIONAL WORK RELEASE PROGRAM

Applications are available in the guidance office:

- The Educational Work Release Program is an opportunity provided to students to meet their academic requirements necessary for graduation and to have the ability to gain additional accredited educational opportunities or employment experience throughout his or her senior year of school.
- Approved participants will be granted 'early release' from school in order for them to attend their accredited educational or employment opportunity during school hours.
- The student's class schedule must make participation in the Educational Work Release Program possible without causing section overloads or section imbalances.
- Applications for the Work Release Program will be reviewed by a selection committee of administration and guidance to determine program eligibility and acceptance.
- A student may not be self-employed and may not be employed by a faculty member. Additionally, candidates may not be employed by a parent or a guardian. Shall extenuating circumstances arise, a student may request a case review with the selection committee.
- The final decision with any student's participation in the Work Release Program rests with the building level administration.

Academic Requirements:

- The student must be a recognized senior within the school system. Senior members have accumulated 22+ credits entering his or her senior year and be on track to attain the 26.4 required credits to successfully earn his or her diploma. All Core Class requirements (Electives, Mathematics, English, Science and Social Studies) must be met in order to be considered.
- The student must be making adequate progress to meeting all necessary graduation requirements throughout his or her senior year (general academics and Senior Career Seminar).

Discipline Expectations and Procedures:

- In order to be considered for the Educational Work Release Program, the student must have exhibited appropriate adherence to classroom specific and school based procedures and policies. A major constituent of the review process will weigh upon discipline related issues in the students present and past.

Transportation Procedures and Expectations:

- The transportation agreement form must be completed and submitted.
- The Conemaugh Township Area School District is not liable for the safety or well-being of a student once released from the school grounds during release for the program.
- All expenses incurred in traveling to and from a job site are the responsibility of the student.
-

Insurance:

- Health/Life/Driver's Insurances are the responsibility of the student and/or his or her parents/guardians.

X. COLLEGE PREPARATORY COURSE SEQUENCE

This pattern has been set up to meet the requirements of most colleges. Following this pattern does not in itself qualify a student for admission to college. Subject requirements of each college must be met and high school grades must be of high quality. It is difficult to enter many colleges if a student is not in the upper half of his/her class and does not have a “B” or near “B” average. It is important to plan early for the type of college and the kind of college program desired so that the student’s high school program meets all requirements. Students should examine the college catalog of the college that they hope to enter and make their choice of courses accordingly. When the student is undecided, he/she should take a broad and complete college preparatory schedule in order to be adequately prepared to enter any college he/she finally decides upon.

In general, the following courses are required by colleges (includes ninth grade subjects):

English	4 years
Social Studies	4 years
Math*	3 or 4 years
Science**	3 or 4 years
World Language***	2 or 3 years
Computer Elective	1 year (suggested)

**Math includes Algebra, Geometry, Algebra II, Trigonometry and Calculus. Students planning scientific, technical or engineering work should take four years of academic math. Students planning Liberal Arts studies or business administration careers should check with their counselor as to the advisability of taking the fourth year of academic math.

**Three years of science are preferable. Students planning scientific, technical or engineering work should take four years of science, including Physics.

** World language requirements of colleges vary considerably. Some colleges require only two years and some prefer three or four years. Generally, it is preferred that students with strong world language aptitude take three or four years of one world language rather than two years of two world languages.

XI. DUAL ENROLLMENT

2022-2023 SCHOOL YEAR COLLEGE IN HIGH SCHOOL DUAL ENROLLMENT COURSES

Penn Highlands

Students must register and pay for classes online at: www.pennhighlands.edu. Registration deadline is Friday, September 24th. The cost is approximately \$64.00 per credit.

High School Course	College Number	College Course Name	Value
Public Speaking	COM 101	Public Speaking	3 credits
Creative Writing	ENG 215	Creative Writing	3 credits
AP Literature	ENG 200	English Comp II/Lit	3 credits
Honors English 12	ENG 200	English Comp II/Lit	3 credits
Honors English 11	ENG 110	English Comp I	3 credits
Honors Government	GOV 100	Intro Amer Gov	3 credits
Honors Economics	ECO 100	Macroeconomics	3 credits
Honors Global Studies I	CIV 100	Western Civ I	3 credits
Honors Global Studies II	CIV 110	Western Civ II	3 credits
Algebra II	MAT 131	Intermediate Algebra	3 credits
Honors Algebra II/Trig	MAT 145	College Algebra	3 credits
Honors Pre-Calculus	MAT 170	PreCalculus	3 credits
Trig/Statistics	MAT 200	Probability & Statistics	3 credits
Honors Biology	BIO 104 /114	Principles of Biology	4 credits
Biology II	BIO 106/116	Principles of Biology II	4 credits
Anatomy	BIO 202/212	Human Anat & Phys I	4 credits
Microcomputer App	CIT 100	Microcomputer Applications	3 credits
Intro to Music	MUS 100	Intro to Music	3 credits

St. Francis

Students must register and pay for classes online at <https://francis.tfaforms.net/217843>. Registration deadline is Monday, September 27th. The cost is approximately \$58.00 per credit.

High School Course	College Number	College Course Name	Value
Spanish III	SPA 112	Beginning Spanish I & II	3 credits
Spanish IV	SPA 201	Intermediate Spanish I	3 credits

Mount Aloysius

Students must register and pay for classes online at <https://www.mtaloy.edu/dual-enrollment/>. Registration deadline is Friday, September 24th. The cost is approximately \$60/credit.

High School Course	College Number	College Course Name	Value
Calculus	CM 117	Calculus I	4 credits
Honors English 12	EN 205	Major British Writers	3 credits
Honors English 11	EN 102	Introduction to Literature	3 credits
Honors Biology	BL 101	Honors Biology	4 credits
Chemistry II	CH 101	Chemistry	4 credits

XII. CONEMAUGH TOWNSHIP ASSOCIATES PROGRAM

To be eligible, students must complete a total of 34 credits (over 50% of the degree) with Penn Highlands either online or at one of our facilities. The remaining 28 credits can be completed through dual enrollment/ACE courses taught within the high school or transferred in from other colleges.

Each student will be assigned an academic advisor from Penn Highlands which will help them understand and meet all requirements and policies. Successful participants are eligible for the College's Commencement Ceremony provided all requirements for the degree will be met by the end of their senior year.

ELIGIBILITY REQUIREMENTS

- Students must submit their application to the Office of School Partnerships complete with their high school transcript during their 8th-grade year. Application deadlines are strict and must be met. Students should work directly with their guidance staff for meeting the application deadline.
- Students must have an overall GPA of 3.0 or higher during their middle school years for acceptance into the pathway. School transcripts including 7th and 8th grades are required with the application.
- ***Applications for students who do not meet the above requirements will be reviewed on a case-by-case basis by our Admissions Office.*
- Students must also meet all course prerequisites such as coursework and/or placement requirements.
- Students must earn a passing grade in all courses required for the program while maintaining a cumulative college GPA of 2.0 or higher.
- Student eligibility will be reviewed annually by a Penn Highlands Community College advisor. Students who are unable to meet the above requirements will be removed from the Associate in High School program and counseled on other educational pathways while enrolled in high school.

ASSOCIATE IN HIGH SCHOOL PATHWAY COSTS

28 credits of dual enrollment/ACE courses total roughly \$1,624 (based upon 2017-18 tuition rates for Cambria County residents). Additional textbooks or supplies are not typically required for ACE Dual Enrollment courses.

The per credit rate for tuition and fees (based on 2017-18) for Penn Highlands full-time Cambria County resident students is \$189. The per credit rate for tuition and fees for students residing outside of the county is \$266 per credit. The estimated, average cost of textbooks for students enrolled in the Associate in High School pathway is \$1,500.

XIII. SCHEDULING NOTES

Ninth Grade Notes

1. English, Environment & Ecology, Civics, Mathematics, and Phys. Ed. are required.
2. Students must schedule at least one elective subject in addition to those that are required.
3. Students may schedule a MAXIMUM equivalent of ONE credit of study hall per year.
4. A world language is recommended for students who are considering attending college.
5. For promotion to tenth grade, 6.5 credits must be earned in ninth grade.
6. Students who score Below Basic or Basic on state exams may need remediation or preparatory classes

Tenth Grade Notes

1. English, American Cultures, Biology, and Mathematics, and Phys. Ed. are required.
2. GJCTC Students who take Global Studies I, will not be required to take Biology Course until grade 11.
3. Students must schedule at least one elective subject in addition to those that are required. Students may schedule a MAXIMUM equivalent of ONE credit of study hall per year.
4. All students will be scheduled for Health and Phys Ed.
5. Students in the academic curriculum must elect two years or more of the same world language.
6. For promotion to eleventh grade, students must have earned at least 13 credits in ninth & tenth grade.
7. Students who score Below Basic or Basic on state exams may need remediation or preparatory classes

Eleventh Grade Notes

1. English, World Cultures, mathematics, science and Phys. Ed are required.
2. GJCTC Students who took Global Studies I in grade 10, will take Biology. (If they took Biology last year, they WILL take Global Studies II)
3. Students must schedule at least one elective subject in addition to those that are required. Students may schedule a MAXIMUM equivalent of ONE credit of study hall per year. Cadet Teaching will take the place of a study hall credit. (not in addition to the study hall credit)
4. For promotion to the twelfth grade, pupils must have earned at least 19.50 credits in ninth, tenth & eleventh grades. Students will not be scheduled for twelfth grade until they are able to plan a schedule that will meet all requirements for graduation.
5. Students in the academic curriculum must elect two years or more of the same world language.
6. Students who are interested in entering a school of nursing must elect chemistry in 11th or 12th grade.
7. Students who score Below Basic or Basic on state exams may need remediation or preparatory classes

Twelfth Grade Notes

1. English, Gov't/Econ, Public Speaking, Personal Money Management (PMM), and PE are required.
2. GJCTC Students will schedule English 12, Govt/Econ, Public Speaking, PMM, and Phys. Ed.
3. Students must schedule at least one elective subject in addition to those that are required. Students may schedule a MAXIMUM equivalent of ONE credit of study hall per year. Cadet Teaching will take the place of a study hall credit. (not in addition to the study hall credit)
4. Students should check with their counselor to determine if a fourth year of math or science is needed.
5. Students who score Below Basic or Basic on state exams may need remediation.
6. A senior project is a graduation requirement and must be completed by ALL seniors.

XIV. COURSE PREREQUISITES

In order to progress from one course to the next, the following grade prerequisites must be achieved.

*Prerequisites may be waived if a legitimate claim is presented and approved by the Curriculum Committee.

Math Course	Requirement
Honors Geometry	85% in Alg I/8 or 92% Alg B – Proficient/Advanced on 8 th gr PSSA or Keystone Alg exam
Algebra II	82% in Alg B AND 72% in Geometry
Honors Alg II/Trig	85% Honors Geometry
AP Calculus AB	82% in Honors PreCalculus
AP Calculus BC	82% in AP Calculus AB
Honors Pre-Calculus	72% in Trigonometry; 88% in Honors Algebra II/Trig
Trig/Statistics	Must have completed Alg 2 w/ 75% avg or higher; 72% in Honors Alg II/Trig

** Any student electing two academic math courses in a year must have math department approval.

Science Course	Math Requirement	Science Requirement
Honors Environment/Ecology	Enrolled Alg B or Geo	85% Science 8
Honors Biology (gr 9)	Enrolled in Geometry (Gr.9)	92% Science 8
Honors Biology (gr 10)		82% Honors Envir/Eco OR 92% Envir/Eco
Chemistry	85% Algebra B	82% Honors Biology OR 92% Biology
Chemistry II		85% Chemistry
Biology II		82% Honors Biology OR 92% in Biology
Environmental Science		82% Honors Biology OR 82% in Biology
GeoAstronomy		82% Honors Biology OR 82% Chemistry OR 92% Biology
Physics	82% Algebra II AND taking Trig or Calc	82% Honors Biology OR 92% Biology 82% Chemistry
AP Physics	92% in PreCalc AND enrolled in Calculus	82% Honors Biology OR 92% Biology 82% Chemistry
Anatomy		82% Honors Biology OR 90% in Biology 10 Chemistry recommended

Social Studies Course	Requirement	English Requirement
Honors Civics	92% in American Cultures II (8th)	82% in English 8
Honors Global Studies I	85% in Honors Civics 9 OR 92% in Civics 9	
Honors Global Studies II	85% in Honors Global Stud. I OR 92% in Global Stud.I	
Honors Gov/Econ	85% in Honors Global Stud.II OR 92% in Global Stud.II	

English Course	Requirement
Honors English 9	92% in English 8 AND teacher recommendation
Honors English 10	85% in Honors English 9 OR 92% in English 9
Honors English 11	85% in Honors English 10 OR 92% in English 10
Honors English 12	85% in Honors English 11 OR 92% in English 11
AP Literature and Composition	92% in Honors English 10 or 11
AP Language and Composition	92% in Honors English 10 or 11

World Language Course	Requirement
French I / Spanish I	72% in English course of prior year
Spanish III	82% in Spanish II AND teacher recommendation
Spanish IV	82% in Spanish III AND teacher recommendation

XV. COURSE DESCRIPTIONS

A. ENGLISH -- required at each grade level

English 9

1 credit grade 9

Literature consists of units in the following: short story, non-fiction, poetry, drama and the novel. Grammar includes the study of parts of speech, parts of sentences, punctuation, capitalization and spelling. Vocabulary work, composition, and recitation comprise the rest of the course.

Honors English 9

1 credit grade 9

Academic English includes the grammar, composition, and literature units covered in the rest of the ninth grade classes, but covers them in more depth and with a wider range and quantity of materials. Additional emphasis will be placed on outside readings, written analysis of literature, creative writing, and individual and group presentations.

English 10

1 credit grade 10

General English 10 is aimed at those individuals who are not planning to attend a four-year college. Units are designed and adjusted for those who will enter community colleges, trade school, employment, or the military.

Honors English 10

1 credit grade 10

The focus of Accelerated English 10 is to develop in students self-motivation and intellectual curiosity. A variety of resources and educational approaches will be used in class. There will be much emphasis on independent reading and the written response to literature. The class will cover areas of writing mechanics, word usage, academic writing style, poetry, drama, and literature.

English 11

1 credit grade 11

All English 11 courses will include the following: Grammar, Vocabulary, and spelling units are reviewed and examined. Composition skills employing the "Processed Writing" and "Writing Workshop" formats are used. Original essays culminate in the form of a "Portfolio." Correct manuscript form and creative writing are also examined. In addition, the writing/research process sharpens the students' library skills, critical judgment, note taking, thesis formulation, and data organization skills. The MLA citation and "Works Cited" formats are also examined and culminate with the writing of a research paper. A special focus is given to American Literature from its Colonial through Modern Periods. An in depth study of the Elizabethan period and Shakespeare's "Hamlet" is also included. Supplementary and current readings are also performed. Students read independently chosen novels to further enhance their appreciation of America's authors. Critical reading is instilled into the students through the "Reading Workshop Literature Circle" method using the most requested texts appearing on current college reading lists. The use of computer technology is encouraged in all phases of this course.

Honors English 11

1 credit

grade 11

Students follow the curriculum guidelines for English 11, however, this course is designed primarily for those students desiring and demonstrating the ability to manage a most challenging and in depth English curriculum. As college prep, this course is strongly recommended for all students planning to attend college.

English 12

1 credit

grade 12

English 12 is designed for students who desire to improve communication skills but are not planning to attend a 4-year college following graduation. The class focuses on strengthening of basic writing competencies, employing a writing workshop format. Students will sample literary selections from a variety of time periods, utilizing a core text (*Literature of Britain with World Classics*, from Holt's *Elements of Literature* series). They will also pursue independent reading, along with a unit based on Mary Shelley's classic novel *Frankenstein*. Vocabulary is studied throughout the year, and in-class support is provided for completion of each student's Senior Career Seminar presentation. Students will be required to complete a course-end portfolio that includes reflections on the year's accomplishments in English, demonstration of competence in writing (including samples of job-related writing), and descriptions of independent reading.

Honors English 12

1 credit

grade 12

Accelerated English is a college-level course with a focus on writing and literature. This is the most rigorous English course offered to seniors and will follow the syllabus EN205, Major British Writers, at Mt. Aloysius College. (Students may elect to take the course for credit from Mount Aloysius.) This course will require students to write essays and analytical papers, include a focus on vocabulary study, and utilize a college text. Students will also pursue independent reading, including a summer reading/writing component due before the beginning of the school year. Course requirements include a course-end portfolio.

AP Literature 12

1 credit

grade 12

AP English Literature and Composition is designed to be a college/university level course, thus the "AP" designation on a transcript rather than "H" (Honors) or "CP" (College Prep). This course will provide you with the intellectual challenges and workload consistent with a typical undergraduate university English literature/Humanities course. The AP English Literature and Composition course will engage you in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, you can deepen your understanding of the ways writers use language to create meaning. You'll learn to consider a work's structure, style, and themes, as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. As a culmination of the course, you will take the AP Exam (which will exempt you from the final). A student who earns a grade of 3 or above will be granted college credit at most colleges and universities.

AP Language 12

1 credit

grade 11 and 12

AP English Literature and Composition is designed to be a college/university level course, thus the “AP” designation on a transcript rather than “H” (Honors) or “CP” (College Prep). This course will provide you with the intellectual challenges and workload consistent with a typical undergraduate university English literature/Humanities course. The AP English Literature and Composition course will engage you in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, you can deepen your understanding of the ways writers use language to create meaning. You’ll learn to consider a work’s structure, style, and themes, as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. As a culmination of the course, you will take the AP Exam (which will exempt you from the final). A student who earns a grade of 3 or above will be granted college credit at most colleges and universities.

Journalism I

1 credit

grade 11, 12

Designed primarily for those students who are staff members of the Contownian, the school newspaper, and the Connumach, the school yearbook, this course concerns itself with the study of newspaper/news magazine and yearbook journalism with special emphasis on high school journalism. After exploring the various editorial, staff, and management positions, the students learn the fundamentals of news, feature, society, sports, and editorial writing. Headline writing, artwork, photography, reporting, interviewing, column writing and circulation are also examined. Practical hands-on experience is gained through computer software/layout programs. Emphasis is placed on portfolio contents, peer evaluation, personal assessment, contributions made to the production of the highest quality newspaper and yearbook possible, and the understanding of journalism in the broader context.

Journalism II

1 credit

grade 12

This course is designed the same as Journalism I, but is primarily for those students desiring and exhibiting the ability to manage the rigors of Journalism. An in-depth examination of journalistic style, ethics, layout, design, computer use and photography are conducted.

Video Journalism

1 credit

grade 10, 11 (25 student max.)

Students will learn the fundamentals of video production, including the techniques and the aesthetics of shooting, lighting, and editing. This course emphasizes hands-on production experiences, using digital video equipment and green screen technology. Students will compose short films, stop-motion films, school highlights, and seasonal videos. They will also have an opportunity to compete in various competitions.

Video Production

1 credit

grade 11, 12

Students will continue to build on their video production skills in a leadership role, including the techniques and the aesthetics of shooting, lighting, editing, and producing.

Holocaust and Literature

.50 credit

grade 10, 11, 12

The focus of this class is to develop understanding of the time period, causation, and results of The Holocaust. What is considered The Holocaust can roughly be categorized between 1933-1945, however our research will stretch before and after these dates. In addition to lecture we will have classroom reading, research papers, and films. We will be developing the curriculum for this class to meet the needs of the class. The subject matter for this course is sensitive in nature and often times difficult to process. We will at all times strive for sensitivity and reverence to those who suffered. The Holocaust course will include the following units: History of Anti-Semitism, Hitler's Rise to Power, Eugenics, Survivors and Resistance.

Science Fiction: Realities and Representations

.50 credit

grade 10, 11, 12

This course will focus on literature, science, history, and film as it relates to the genres of Science Fiction. In part, Science Fiction speculates about imagined worlds and contemplates possible futures. However, many argue that Science fiction, through the depiction of future dystopias/ utopias, actually represents the reality of present day society. This course, rather than being a history of Science Fiction, will use a thematic approach to tackle the Big Questions and topics that Science Fiction addresses in an attempt to better understand ourselves, our world, and the ever-changing prospect of the future.

Public Speaking

.50 credit

grade 12 only

Public Speaking is a one-semester elective open to students with a desire to strengthen skills in various areas of public speaking. Students will present a variety of speeches, focusing on effective content as well as delivery techniques. Oral interpretation of literature will also be explored, with students having an opportunity to participate in a reader's theatre performance or other class project. This class is designed to benefit novice as well as experienced speakers. *Speech for Effective Communication* is the core text.

Film as Literature

.50 credit

grade 9-12

This class will examine the craft of filmmaking in order to better understand how movies deliver the director's message. Film is more than entertainment. Exploring the cinematic and historic importance of movies, as well as learning the "language" of visuals, sound, editing, and the spoken word reveals a much richer story.

Creative Writing

.50 credit

grade 10, 11, 12

Creative Writing is designed to provide students with the opportunity to evaluate their literary interests and to investigate and discover their creative writing talents and ambitions. Ideally, this course will provide students an opportunity to try their hands at different genres and forms of writing to hopefully provide students with a clearer image of who they might be as writers. Students will read a number of short stories, poems, memoirs, and essays, and then write their own. We will work together to practice proper peer reviewing techniques and we will critique the works of our classmates to better help one another on this path of self-discovery and skill improvement.

In order to dual enroll this course, you must dual enroll EN 110 in 11th grade.

Technical Writing

.50 credit

grade 9 only

Technical Writing is designed, in part, to provide you with an overview and user strategies for utilizing the *Easy Writer* in your academic courses. As a class, we will use the *Easy Writer* to strengthen our technical writing skills for academic writing. Course instruction will focus on grammar, mechanics, and usage skills in writing, as well as the writing process and paragraph development. We will work to understand the purpose of citation styles (MLA/APA), and complete a unit on application, resume, and cover letter writing. As this is only a 9-week course, it is fast-paced and will require diligence and determination to meet the objectives.

Research Skills 9

.25 credit

grade 9 only

Research Skills is designed to equip students with the various research skills needed to become efficient users of all types of information. The course will cover internet, database and library usage. Students will learn how to locate the best information quickly and accurately. The steps of the research process will also be emphasized. This is a nine-week course required for all freshmen.

B. SOCIAL STUDIES

Civics 9

1 credit

grade 9

Using the values, beliefs and principles of democratic government as a foundation, students will develop an understanding of the principles of democratic government as evidenced in the Constitution, the organization of United States government, and the rights, responsibilities and duties of citizenship. Students will be asked to understand, use and apply the basic values and beliefs of democratic government and develop a universal conceptual perspective comparing and contrasting the world's major culture regions, their governments and economies. The following concepts, values and beliefs will be examined and evaluated: types of governments and economies and the values and beliefs and principles that sustain them; functions of government; forms of government organization; basis of citizenship; rights, responsibilities and duties of citizenship.

Honors Civics 9

1 credit

grade 9

This course covers the same topics as Civics 9. This honors level course will also include additional projects and essays throughout the year.

Global Studies I

1 credit

grade 10

The Global Studies I course is a one year study of world history and geography from prehistoric times through the mid-1600s. Students will be involved in studying patterns of human behavior across time within the historical context of global studies. Students will discover similarities and differences among peoples from past and present. They will examine and evaluate evidence to understand the social, political, environmental, technological, economic, and spiritual factors of human development. Students will engage in a variety of learning methods throughout the year.

Honors Global Studies I

1 credit

grade 10

This course covers the same topics as Global Studies I. This honors level course will also include additional projects and essays throughout the year.

Global Studies II

1 credit

grade 11

This course is designed to provide students with a global perspective of the world in which they live. Upon completion of this course students will have increased their understanding of the diversity of cultures that currently exist throughout the world and the impact beliefs and customs of ancient civilizations have had in shaping these societies. Students will examine the important role religion, government, geographic locations, the arts, technology, and social structure play in defining a culture.

Honors Global Studies II

1 credit

grade 11

This course covers the same topics as Global Studies II. This honors level course will also include additional projects and essays throughout the year.

Government/Economics

1 credit

grade 12

U.S. Government is a one-semester, survey course required of all seniors. The purpose will be to examine our government from the viewpoint of issues fundamental to all Americans – our civil liberties, how we influence our government, how we participate in it, and the role we want it to assume in our lives.

Critical thinking and problem-solving, simulations, debates, and Internet research will supplement our textbook in order to examine the origin, structure and processes of our democracy. *Junior Achievement*

Economics is a one-semester survey course required of all seniors. It provides students with an understanding of our market economy and helps prepare them for productive roles in the workplace.

Through the course, the students examine basic economic principles, apply theory through computer-based simulations, learn business management principles, analyze economic issues and problems, advance solutions, and compare and contrast economic systems. The following concepts are covered: scarcity, opportunity cost, production and productivity, supply, demand and market price, business cycles, and monetary and fiscal policies.

Honors Government/Economics

1 credit

grade 12

American Government is designed to provide an in-depth study of the following areas: principles and documents of government, rights and responsibilities of citizenship, how government works, important figures throughout the history of the United States, and their importance. We will use the text, newspapers, internet and other outside sources to discuss the political, social and economic impacts that events have on our society. Students will also use various case studies which will elaborate on current topics of discussion. Economics is structured to provide you with the basic principles of economics. The course will have a focus in the macroeconomic area. The course is designed to provide an in-depth study of the following areas: types of economic systems, supply and demand, pillars of free enterprise and an examination of financial institutions. Upon completion of the course, students will have increased their understanding of how the economy works and how they can use this information when making economic decisions.

Sociology

.50 credit (semester)

grade 10, 11, 12

This elective course is the science that studies human society and social behavior. One of the course goals is to help students understand and appreciate diversity that is possible in social life by exposing them to data from a wide variety of cross-cultural and historical sources. Areas of study will be the research of social stratification, social inequality based on gender, age and health, discrimination and prejudice, unemployment, adolescent sexual behavior, drug use and suicide.

Psychology

.50 credit (semester)

grade 10, 11, 12

This course is structured to provide you with an overview of the rapidly changing science of psychology. This course will introduce you to many of the underlying principles and approaches believed to guide human behavior including: biological factors, learning, memory, social cognition, intelligence, emotions and personality.

Mythology and Folklore

.5 credit

grade 11, 12

Since the beginning of time, people have gathered around fires and listened to stories about angry gods, cunning animals, and mighty heroes. But what is the significance of such legendary tales? Mythology & Folklore will take students on a journey of discovering various folklores and legends throughout human history and how they have impacted human culture. Students will explore the historical, social, and cultural significance of mythology and how it still impacts society today. Join us as we slay dragons, outwit powerful gods, and defy fate.

C. MATHEMATICS

Algebra A

1 credit grade 9, 10 11, 12

This course emphasizes problem solving and develops the concepts in number theory and algebra. Topics covered are simplifying expressions, equations and inequalities, exploring functions and relations, and graphing equations and inequalities. Students will be scheduled for Algebra B after the completion of this course.

Algebra B

1 credit grade 9, 10, 11, 12

This course expands on the concepts developed in Algebra A. Topics covered are systems of equations and inequalities, polynomial operations, factoring and exploring quadratic equations, square roots and radical functions, permutations and combinations. Students must take the Keystone Algebra 1 exam after completing this course unless previously tested and proficient or above.

Geometry

1 credit grade 10, 11, 12

Geometry is a course that studies the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Applications to real world situations are developed and algebraic connections are made. This is a course designed to expose the student to the basic concepts of Geometry needed to master the Anchors as tested on the PSSA. It should also meet the needs of those students planning post-secondary education in areas other than math, science, technology, or business.

Honors Geometry

1 credit grade 9*, 10, 11, 12

Geometry is a mathematics course that studies the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Applications to real world situations are developed, algebraic connections are integrated and expanded, and the structure of formal proof is incorporated in the course content. This is an academic course intended to meet the needs of college bound students.

Algebra II

1 credit grade 10, 11, 12

Algebra II is a continuation and refinement of the skills developed in Algebra I. Topics developed are: real numbers, equations and inequalities, systems of equations and inequalities, functions, relations, polynomials and rational expressions, radical expressions, permutations, combinations, probability, and the use of a graphing calculator.

Honors Algebra II/ Trigonometry

1 credit grade 10, 11, 12

This course is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piecewise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included.

PreCalculus

1 credit grades 11, 12

This course is designed for the student who needs to strengthen the algebraic, geometric, and trigonometric skills necessary for calculus. Topics include a detailed study of graphs, functions (including polynomial, rational, logarithmic, exponential, and trigonometric functions), analytic trigonometry, and limits.

AP Calculus AB

1 credit grade 11, 12

Calculus is a course in which fundamental concepts are developed to understand and solve problems related to change and motion using limits. This course introduces both finding the rate of change for a given function (differential calculus) and finding a function for a given rate of change (integral calculus). As a culmination of the course, you will take the AP Exam (which will exempt you from the final). A student who earns a grade of 3 or above will be granted college credit at most colleges and universities.

AP Calculus BC

1 credit grade 12

Explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. You'll perform experiments and investigations and solve problems by applying your knowledge and skills.

Consumer Math

1 credit grade 11, 12

Consumer Math provides the students the opportunity to apply basic computation and problem solving skills to real life situations. The real life situations include the following: income, taxation, banking, spending and credit.

Trigonometry

.50 credit grade 11, 12

Trigonometry is a course in which the fundamental concepts are developed to understand and solve problems related to triangles and periodic phenomena. The course also includes the following topics in Math Analysis: polynomials, logarithms, conic sections, matrices and progressions.

Statistics

.50 credit grade 11, 12

Statistics provides students the opportunity to apply basic probability and statistics problem solving skills to real life situations. The course will focus on definitions of statistical terms, sampling methods central tendency, sets sampling methods, descriptive statistical graphs, descriptive measures, probability, probability distributions, estimating means, confidence intervals, hypothesis testing, regression, correlation, analysis of variance, logic, and tautologies.

Strategy and Logic

.5 credit grade 9, 10, 11, 12

There is more than one way to win a game. This course is not only an opportunity to learn new games, but it is also designed to help you to explore the strategies needed to win and gain the analytic skills to develop your own strategies. Try a new game, master an old one, sharpen your competitive spirit, and flex those math/logic skills!

D. SCIENCE

Environment and Ecology:

1 credit Grade 9

This course is required for grade 9 students that are NOT enrolled in 430A. Environment and Ecology is designed to provide students with a balanced approach to the diverse study of the environment. The emphasis of this course is the study of Ecological science and the development of thinking and decision-making skills as they apply to current environmental issues.

Honors Environment and Ecology:

1 Credit Grade 9

This course is designed for ninth grade students who have demonstrated a high level of achievement in eighth grade science and mathematics. A rigorous study of Ecology and our impact on the Environment is included. The emphasis of this course is the study of Ecological science and the development of thinking and decision-making skills as they apply to current environmental issues. Students will be provided with the background needed to analyze many of the issues concerning the environment.

Honors Biology

1.50 credit grade 9, 10

This science course is intended for accelerated ninth grade students and academic tenth grade students who have demonstrated a high ability and interest in science. Topics included are unifying features of living organisms, diversity of living organisms, genetics, cellular structure and function, and ecology.

Biology

1 credit grade 10

This course provides an overview of major areas in the biological sciences. Included are structure & diversity of plants & animals. Intro to cellular biology & genetics is included. Field projects occur in the early fall/late spring as part of the ecology section in the class.

Biology II

1.50 credit grade 10, 11, 12

This introductory course provides an overview of the basic principles of biology including the structure and function of animals and plants, including organ systems, reproduction and the regulation of body systems. The course also provides an overview of the Earth's ecosystems and the diversity of life within each ecosystem. Lectures are complemented by discussions that stress critical thinking. Lab experiments are designed to teach basic scientific skills, and to reinforce the topics covered during lectures. This course is designed to prepare students for more advanced courses in biology.

1.50 credit

1.50 credit grade 10, 11, 12

Chemistry II

1.50 credit	grade 11, 12
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Physics

1.50 credit grade 11, 12

AP Physics C: Mechanics

1.5 credit	grade 11,12
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GeoAstronomy

1 credit grade 11, 12

This course is designed for eleventh and twelfth grade students who have an interest in investigating the Earth and it's neighbors in space. A relatively rigorous study of geology, astronomy, earth history, oceanography, meteorology and climatology is included. **Prerequisite: Completion of two science classes prior to taking this courses, preferably Enviro-Ecology and Biology.**

Anatomy

1.50 credit

grade 11, 12

This is a detailed Biology course designed to familiarize you with the structures and functions of the body. Anatomy and Physiology explores the structure and function of the human body. It is essential that the student interested in this course has a good background in biology and basic chemistry. Topics include the study of cellular biology, tissues, basic biochemistry, the skeletal, muscular, nervous, circulatory, immune, endocrine, and reproductive systems as well as current scientific literature and culminate with a dissection in which comparison to human structures can be made.

E. WORLD LANGUAGE

Spanish I

1 credit

grade 9, 10, 11, 12

This is an introductory course to Spanish where a useful Spanish vocabulary is mastered. Grammatical principles are taught in connection with graded readings and conversational patterns. Students are introduced to Spanish-speaking people, their lands, their history, and their culture.

Spanish II

1 credit

grade 10, 11, 12

This is a continuation of Spanish I with an increased emphasis on reading and writing the language. Emphasis is focused on correct construction in conversation and dialogue.

Spanish III

1 credit

grade 11, 12

Level three is devoted to the reinforcement of the skills of understanding, speaking and reading. Writing is introduced on a controlled basis.

Spanish IV

1 credit

grade 12

Emphasized reinforcement of all skills. More emphasis is placed on creative writing. Attention is given to an introduction to Spanish literature. A representative Spanish author's work is used as a basis for oral and written work. Individual advancement is encouraged.

French I

1 credit

grade 9, 10, 11, 12

Level one is devoted to drilling basic speech patterns for the purpose of acquiring the habit of speaking naturally in the French language. Emphasis is in understanding and speaking at the rate of a native speaker. Culture is implied in materials and assignments.

French II

1 credit

grade 10, 11, 12

Level two reinforces the habit of speaking and understanding at the rate of a native speaker. Reading is emphasized with special attention to reading without translating into English – skits and creative assignments encourage students to learn and enjoy French customs.

French III

1 credit grade 11, 12

Level III French students are drilled on reinforcement of reading, writing, comprehension, and speaking skills. Students will write based on specific vocabulary and writing prompts. Students will also read a novel.

German I

1 credit grade 9, 10, 11, 12

Level one is devoted to drilling basic speech patterns for the purpose of acquiring the habit of speaking naturally in the German language. Emphasis is in understanding and speaking at the rate of a native speaker. Culture is discussed through the course materials and assignments.

German II

1 credit grade 10, 11, 12

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

American Sign Language I

1 credit grade 11, 12

In this course, students are taught American sign language (ASL) vocabulary and grammatical structures. Students will also learn and ASL fingerspelling system, the use of gestural devices and how to appropriately use the signing space in ASL. Further, students will learn about deaf culture in the United States.

American Sign Language II

1 credit grade 12

A continuation of ASL I, with emphasis on basic language skills for communication and on cultural aspects to promote understanding and appreciation of Deaf culture.

F. ART

Art I

1 credit grade 9, 10, 11, 12

Using the principles of design, the students will work in the areas of drawing, basic printmaking, basic painting, and various sculptures. The students will improve their basic artistic skill and develop an understanding of two-dimensional relationships, terminology, and proper use of basic equipment.

Art II

1 credit grade 10, 11, 12

Using the principles of design, the students will work in the areas of drawing, painting, printmaking and sculpture. Simple techniques will be introduced as they are studied from various periods of art history. Personal style will be introduced and a portfolio will be started for any student who is interested in a career in art.

Art III

1 credit grade 11, 12

Using the principles of design, the students will work in areas of drawing, painting, commercial art, and printmaking. Advanced techniques will be emphasized as well as effective use of lettering and advertising skills. Each student will perfect his own individual style and continue to build his own personal portfolio.

Art IV

1 credit grade 12

Along with improving artistic skills as they pertain to two dimensional design, three dimensional design, advertising design, and printmaking, the senior art student will have freedom to explore an individual interest in art. Individual style, proficient use of media & complex techniques are emphasized.

G. PERFORMING ARTS

Music 9

.25 credit grade 9

This nine-week course traces the music timeline through the historical time periods. Students will study a variety of music styles, historical musical contributions and musical composers.

Choir

1 credit grade 9, 10, 11, 12

The choir is the most active vocal group at Conemaugh Township High School. Students will participate in concerts and other performances throughout the school year. Focus will be on part-singing, proper singing techniques and performing music from a variety of styles and era.

Band

1 credit grade 9, 10, 11, 12

The concert band is offered to all woodwind, brass and percussion instruments. The program offers the student an opportunity to perform and study music in a variety of styles through the medium of a large wind band, including the standard repertoire for band and popular selections of the 20th century. The Concert Band performs two concerts a year, at some assemblies and at Graduation.

Intro to Music

.50 credit grade 10, 11, 12

This course is an introduction to music which studies the elements of music, instruments, vocalization and lives and works of composers throughout all historical eras. Students may obtain dual enrollment credit with the course through Penn Highlands.

Music Theory

.50 credit grade 9, 10, 11, 12

Music Theory is a study of what you see as well as what you hear. The course will cover basic music fundamentals, ear training, simple composition, and principles of harmony and musical analysis.

Music Theory II, III, or IV

.50 credit grade 9, 10, 11, 12

This semester course delves into a more challenging curriculum of composing music and understanding of chord structure. Students will use various computer programs for composition and chord analysis.

AP Music Theory

1 credit grade 11, 12

Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music.

H. TECHNOLOGY AND ENGINEERING EDUCATION

TSA in the Classroom

1 credit grade 9

Technology Student Association (TSA) curriculum is a hands-on, activity-based program designed to provide students with an opportunity to explore a variety of competitive learning experiences in Science, Technology, Engineering, and Mathematics (STEM). Students will improve their hands-on problem solving, leadership, design, and engineering skills. Activities will include, but are not limited to, Digital Video, Digital Photography, Co2 Dragster, Lego Robotics, Structural Engineering, Video Game Design, 3D Printing, and Medical Technology Issues.

Engineering Principles & Design

1 credit grade 10, 11, 12 (18 student max.)

In this course, students will develop an understanding of engineering design by utilizing a variety of engineering principles through hand-on activities and 3D computer design (Inventor). Activities will include, but are not limited to, Engineering Design, Rapid Prototyping (3D Printing), Biomedical Design, Stress Analysis, and Materials Testing.

Advanced Engineering Design

1 credit grade 11, 12 (15 student max.)

Throughout this class students will have the opportunity to apply knowledge and skills learned from Engineering Principles & Design and Research & Development. Students will experience design engineering in the creation, and presentation of design solutions and will coordinate and interact in authentic ways to produce appropriate models to completely define a product. Students will also have the opportunity to work on a project of their choice one day a week (20% project).

Agile Robotics

1 credit grade 10, 11, 12 (15 student max.)

Throughout the course, students will develop an understanding of controlled and autonomous robotic systems and how they relate to real-world applications. Students in this class will be required to create programming to efficiently complete various and specific tasks. This course will give students the opportunity to explore aspects of mechanical engineering while learning about gear ratios, power/control, and mechanical disciplines with Vex robotics.

Advanced Competitive Robotics

1 credit grade 11, 12 (15 student max.)

In this course students will use combined knowledge learned from Agile Robotics and Energy and Control. Students will compete in classroom activities and other completions available in the area using Vex robotics (controlled and autonomous). Activities will include team-oriented and hands-on projects. Completions may include but not limited to Vex Swept away, and Vex Toss Up.

Architectural Design

.5 credit grade 10, 11, 12 (18 student max.)

Students will apply engineering principles to plan, research, and design residential and commercial buildings. The course will introduce them house styles, floor plan sketching, energy efficient features,

and building codes. Students will use Autodesk Revit to create 3D drawings, floor plans, walk-throughs, and renderings. Activities will include, but are not limited to, “Dream House” Design, Commercial Building Design, and Concept Building Design.

3D Architectural Modeling

.5 credit

grade 10, 11, 12 (18 student max.)

Students in the course will focus on designing and constructing 3d architectural models. Students will investigate ancient and modern architecture. They will learn about different architectural styles that include Roman, Gothic, and Baroque architecture. Students will utilize Autodesk Inventor, 123d Design, 123d Make, CNC applications, Laser engraving and 3d printing to construct 3d models.

Intro to Agriculture

.5 credit

grade 9, 10, 11, 12 (18 student max.)

This course is an introductory course designed to expose students to different facets of FFA and the agriculture industry. Students will gain knowledge in animal science, plant science, leadership skills, public speaking, FFA opportunities, and agricultural mechanics. Instruction and student learning will occur through lectures, student projects, group discussions, and hands on experiences.

Intro to Woodworking

.5 credit

grade 9, 10, 11, 12 (18 student max.)

This courses will focus on the basics of woodworking with simple hands-on projects to build a student’s confidence and skills. Each lesson in this class explores an area of woodworking that will form the building blocks of all future woodworking projects they may undertake.

I. HEALTH AND PHYSICAL EDUCATION

Physical Education

.50 credit grade 9, 10, 11, 12

Physical Education is required at all grade levels in accordance with Pennsylvania School Code. The program offers students the opportunity to participate in team and individual activities for the purpose of developing proficiency in movement, physical fitness, knowledge, health and appreciation that form the basis for lifelong participation in physical activities.

Personal Fitness

.50 credit grade 9, 10, 11, 12

Personal Fitness is a new physical fitness class here at Conemaugh Township High School! This class will help students learn about the components of physical fitness: Cardio-respiratory endurance, muscle strength, muscle endurance, flexibility and body composition and why they are important. The purpose of this course is to acquire knowledge of physical fitness concepts, understand the influence of lifestyle on health and fitness, and begin to develop an optimal level of fitness. The wide variety of activities that will be included in this course is sure to meet the needs to each student. Students will participate in a variety of exercises to help better their personal fitness levels. At the end of this course, students should be able to apply what they have learned to their everyday lives.

Weightlifting

.50 credit grade 10, 11, 12

This course can be taken instead of phys ed. The course will include learning basic muscle anatomy and function; guidelines for safe training; strength training facts and misconceptions; genetic factors affecting strength development; strength training principles; strength training fundamentals and techniques; free weight exercises.

High School Health 10

.25 credit grade 10, 11, 12

This required course includes the study of individual adjustment, family living, safety, tobacco, alcohol, narcotics and communicable diseases. Its purpose is to promote a positive attitude as an approach to healthful living. A comprehensive program is presented through lectures, teacher/class dialogue, audio-visual aids, and panel discussions.

J. COMPUTER EDUCATION

Digital Media and Design

.50 credit

grade 9, 10, 11, 12

This course gives students a basic understanding of designing websites using HTML and Google Sites, how social media impacts businesses and individuals, and how technology influences the world around it. Students will engage in lessons about web-design, social media, marketing, and information editing as part of this course.

Programming I

.5 credit

grade 10, 11, 12

This course will focus on instruction of data structures (data base techniques) and logic design concepts using up to date software programming languages.

Computer 9

.25

grade 9

An introduction to Google Applications which will include: Google Cloud, Google Drive, Google Calendars, Google Docs, Google Presentation, Google Sheets, Google Forms, Google Drawing, Exploring Google Apps, and Groups. Students will learn how to navigate each program through teacher instruction, individual projects, and collaborative projects.

Microcomputer Applications

.50

grade 9

Students will use hands on exercises in Microsoft Word to complete document presentation, collaboration and research, and document productivity. Students will use hands on exercises in Microsoft Excel to become familiar with the Excel window, create formulas charts, and functions. Students will use Microsoft Power Point to complete presentation development and design.

K. BUSINESS EDUCATION

Accounting I

.5 credit grade 10, 11, 12

This course introduces students to the basic concepts and ideas of accounting. Students will use real world examples to gain an understanding of the accounting cycle. This course is ideal for students interested in a business major.

Accounting II

.5 credit grade 10, 11, 12

This is an advanced accounting course for students interested in an accounting career or a related business field. Students will be introduced to vocabulary associated with payroll. In this course, students will learn payroll, how to calculate gross earnings, payroll deductions and payroll records. They will also learn the importance of accurate payroll records, how to compute net pay, prepare payroll registers and prepare employee's earning record.

Intro to Business

.5 credit grade 9, 10, 11, 12

This course will introduce students into the business field and give them an opportunity to explore business as a career option. Students will learn various terms associated with business, apply basic business situations, and understand changes in the business world. They will also become familiar with personal finance, basic banking skills and the economy as it relates to business.

Business Management

.5 credit grade 9, 10, 11, 12

This course gives students an understanding of the way business works. It develops their technical knowledge and competence. This course includes instruction in Management, general business practices, International Business, and Information Technology. Students will use a variety of classroom resources that include: textbook, visual presentation, and interactive multimedia. This course is ideal for students interested in a business major.

Business Law

1 credit grade 10, 11, 12

An introduction to Business Law will include the following: We will be covering our laws associated with ethics, constitutional rights, the evolution of the court system, criminal, and personal injury. We will also learn about the basics of contract along with sales. Finally, we will cover property and laws on the job. Each unit will contain current and past court cases that we will study, analyze, and discuss.

Personal Money Management (Personal Finance)

.5 credit grade 12 only

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as savings and investing.

Marketing

.5 credit

grade 9, 10, 11, 12

Throughout the course of the semester students will learn the foundations of marketing. Students will become familiar with each function and how they are interrelated by performing real world case studies and activities. Students will also be exposed to Network Marketing which is a business model of a distributor network in order to build the business. Using a variety of learning activities students will identify how each of the following is affected by marketing: business plans, entrepreneurship, technology, internet and ethics.

L. CAREER DEVELOPMENT ELECTIVES

Cadet Teaching I

Independent Study

grade 10, 11, 12

.50 credit

This class is offered for students who are interested in gaining leadership skills or for students who are interested in making informed decisions regarding careers in the education field. In this course, students will have the opportunity to assist a teacher or staff member plan or participate in classroom routines. The work will vary depending on each unique placement. Students in this course will assist veteran teachers with small group tutoring, learning centers, and small group presentations. Other tasks such as filing papers, reading to the class, creating bulletin boards or classroom materials to support instruction will also encompass this experience. An excellent attendance record, stellar citizenship, and teacher recommendation are required to participate in this elective.

Cadet Teaching II

Independent Study

grade 10, 11, 12

.50 credit

This level II elective is a unique placement offered for students who have successfully attained an exemplary evaluation in cadet I and have at least one teacher recommendation. Emphasis is placed on the advancement of leadership skills and improving the student learning environment. Throughout the course semester, students will assist a teacher or staff member plan motivational activities to reinforce concepts, take part in lessons, and aid students with classroom assignments and activities. This course will develop the student's understanding of the role of an educator and provide students who are interested in a career in the education field with a well-rounded classroom experience. At the end of this course, students will demonstrate knowledge of effective instructional methods for engaging an audience and model the skills necessary for capturing the interest of young learners. Students taking this course are compelled to portray creditable citizenship, intrapersonal skills, leadership qualities, and excellent attendance. **Prerequisite: Cadet Teaching I and recommendation of Cadet Teaching I supervisor.**

XVI. CAREER READINESS

GRADE 9

Academic and Career Portfolio - Career Awareness/Self Awareness

Resume Workshop

Smart Futures - Discover their personal strengths and interests, create short term and post-secondary goals

Academic and Career plan -students continue with the process of planning for the future by continuing to explore college and career options.

Scheduling Advisement

GRADE 10

Smart Futures-Discover personal strengths and interests, create/update short term and post-secondary goals

Mock Interview Project

PSAT

SAT Prep - Khan Academy links with College Board to provide individualized instruction.

Academic and Career plan -students continue with the process of planning for the future by continuing to explore college and career options.

Scheduling/Career Planning

GRADE 11

Individual meetings with counselor regarding their Individual Academic and Career Plan

Individual meetings with counselor regarding post secondary planning

ASVAB-testing and interpretation

Spring College Fair

University, Military, and Workforce/Representative Visits

Smart Futures -Career Acquisition, Career Retention

Academic and Career plan-Discussion about SAT/ACT/ASVAB, dual enrollment, college entrance requirements, school visits, workforce training, military entrance)

GRADE 12

Individual meetings with counselor regarding post secondary planning (college applications, dual enrollment courses, transcripts requests, workforce training, military options)

Fall College/Career Fair

University, Military, and Workforce /Representative Visits

Smart Futures -Career Acquisition, Career Retention

PHEAA: Financial aid informational session and FAFSA Completion Night

Senior Career Seminar

Exit Interviews-meet individually with seniors to discuss plans after high school and the steps necessary to achieve those goals.

Non-Discriminatory Policy Statement

Conemaugh Township Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, handicap or limited English proficiency in its activities, programs or employment practices as required by Title VI, Title IX and Section 504.

For information regarding civil rights or grievance procedures, contact Thomas Kakabar, Title IX Coordinator and/or Jane Jugan, Section 504 Coordinator at Conemaugh Township Area High School, 300 W. Campus Ave., Davidsville, PA 15928 (814-479-7575)