Mount Pleasant Area Senior High School

Program of Studies

2025-2026

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Mt. Pleasant Area Senior High School
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Forward

This Program of Studies has been prepared to assist students in planning an effective and realistic secondary program. It provides information about various curricular choices, individual course selection, and guidance services. In selecting courses, careful thought should be given to ability, past academic achievement, course requirements, course prerequisites and future educational and vocational goals. Students and parents are encouraged to discuss questions or concerns with the appropriate teacher, counselor or administrator. Keep this publication so that it may be used as a reference for future planning, graduation requirements and so on. Following the winter break, students will register for the upcoming year. Students are urged to choose a workload which fits their needs and abilities as well as one which complies with school requirements. Course information is subject to change and availability.

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Philosophy of Education

An essential function of the Mount Pleasant Area School District is to provide educational opportunities that assure success beyond high school. As each student is unique, it is of paramount importance to develop curriculum and activities oriented to meeting reasonable student needs, interests, and abilities, both academically and vocationally.

A balance should be achieved between the dissemination of academic skills, vocational skills, and the development of the thinking process. It is important to bear in mind that the student is not perpetually in school; thus, the best education is that which motivates him/her to think for himself/herself and to act responsibly.

Value systems come about as an inherent part of family and community development. The school should provide an environment in which the student can analyze and formulate his/her own values compatible with his/her society.

The school, like any other social institution, must have the cooperation of the community. The school and community share the obligation to expend every effort necessary to house education in suitable, well-maintained buildings, competently staffed and provided with the material and apparatus essential to the most appropriate teaching practices.

By applying these beliefs to the educational process, the students will receive the fundamental skills necessary to become productive citizens.

It is necessary to recognize that any philosophy is transient and that it must be adaptable to the changing needs of the community.

The Student Services Department of the Mount Pleasant Area School District is consistent with the philosophy of education of its schools -- which is to develop each pupil intellectually, socially and emotionally in relation to the total school experience. The program should reflect faith in the pupil's potential for growth and ability to shape his/her future.

The Counseling Department is an integral part of the school program and works with students, teachers, parents, administrators, social service agencies and community resources as a team to help the pupil to develop unique tools to prepare for a successful life.

The mission of the Mount Pleasant Area School District is to promote a tradition of educational excellence ensuring success for tomorrow.

Guidance Program

Guidance in the Mount Pleasant Area Junior-Senior High School aims to help individual students understand themselves, fulfill their potential, plan realistically, and see themselves in relation to their work. Our students have the same primary psychological needs as do others - security, affection, approval, acceptance, feeling of success, sense of achievement, etc. These needs may vary in degree from one individual to another or from one group to another, but fundamentally they are present and must be met.

These same students have other needs: to secure an education, to prepare for a vocation, to develop physically and spiritually, to get along with fellow students, to understand their role as citizens. All these needs, together with the increasing complexity of our society, make careful and intelligent school guidance more important than ever before. The counselors have the key role in directing and coordinating the guidance program.

In order to achieve the purposes of our guidance program we offer the following services:

1. Individual and Group Counseling - discuss with an individual the alternatives existing in a given situation; disseminate information of a general nature to small groups of students; provide students with professional and confidential counseling in areas such as: conflict resolution, study skills and mental health issues.

2. Testing Program - includes the administration of tests, test interpretation and the maintenance of records for use in understanding pupils and encouraging them to make accurate and reliable assessments of their academic/vocational skills. Includes: ASVAB, Achievement Tests, PSAT, SAT, and Keystone Examinations.

3. Dissemination of information:
   A. To students - about colleges, business schools, technical institutes and the like, and information about entrance requirements, military service data, job trends, etc.
   B. To the teaching staff - regarding individual student interests, aptitudes, test results and other information which might be of help in working with the student.
   C. To parents - regarding curriculum, scheduling, career information, scholarships and college requirements

4. Liaison Services - utilization of community and social agencies to provide students/ parents and faculty with the appropriate resources.

5. Career Resource Services - providing students with appropriate and occupational information via: Career Cruising, Career/College Reference Material, College and Career Night, Career Day/Field Trips, Financial Aid Night.

6. The Graduation Project affords students an opportunity to explore topics and areas of interest that may not have been available to them in a traditional classroom setting. Throughout the course of the project, students will demonstrate organizational, written, and public speaking skills as they explore a career of their interest and post-secondary options.

Graduation Requirements

Parents and students may receive information about credits earned from the school counselors upon request. Students must earn 26 credits in grades 9-12 which includes the following:

4 English **
4 Social Studies
3 Science ** - minimally Biology or Honors Biology
3 Math ** - minimally Algebra I
1 Math or Science credit taken during the senior year
2 Physical Education (one Phys Ed course per year)
½ Health (CWCTC students fulfill this through Wellness)
1 Computer - Students must have successfully completed Personal Finance AND Business Concepts as two of the required computer-related classes.
½ Graduation Project
7 Elective credits

**Keystone Exams will continue as the statewide assessment that Pennsylvania uses to comply with accountability requirements set forth in the federal Every Student Succeeds Act (ESSA). Although a student may not be required to achieve proficiency on the Keystone Exams in order to graduate, students are required to take the Keystone Exams for purposes of federal accountability. If a student does not demonstrate proficiency on the Keystone Exams, Act 158 expands the options for students to demonstrate postsecondary readiness through four additional pathways that more fully illustrate college, career, and community readiness.

Students must maintain a minimum of 6 ½ credits each year on their schedules.

PENNSYLVANIA STATE REQUIRED MANDATES

ACT 158 Career Pathways
Career Artifacts
Citizenship Exam (Government)
CPR (Health)

CWCTC Requirements

In order to attend CWCTC in 10th grade, students must have successfully completed 5 ½ credits.

Senior High Scheduling Guide:

Ninth Grade Classes
1. Academic English or Honors English
2. Integrated Science or Honors Biology
3. Intro to Algebra, Algebra I or Honors Algebra II
4. US History
5. Business Concepts
6. Foreign Language or Elective
7. Physical Education and semester elective
8. Year-long elective or semester electives

Tenth Grade Classes
1. Academic English or Honors English
2. Biology, Honors Biology or Honors Chemistry
3. Algebra I, Algebra II or Honors Geometry
4. Government
5. Physical Education and Health (CWCTC)
6. Year-long elective or CWCTC
7. Year-long elective or semester electives or CWCTC
8. Semester electives or CWCTC

Eleventh Grade Classes
1. Academic English 11 or AP English
2. Chemistry, AP Chemistry, Honors Physics, or Physics
3. Algebra II, Geometry or Pre-Calculus
4. World History or AP World History
5. Physical Education and semester elective (CWCTC)
6. Year-long elective or CWCTC
7. Year-long elective or semester electives or CWCTC
8. Semester electives or CWCTC

Twelfth Grade Classes*
1. Academic English 12 or AP English or Print and Broadcast Media
2. Current Global Issues/Economics (or AP Macroeconomics)
3. Science (multiple options)
4. Math (multiple options)
5. Physical Education and semester elective or CWCTC
6. Year-long elective or CWCTC
7. Year-long elective or semester electives or CWCTC
8. Semester electives or CWCTC

* Graduation project is a required ½ credit for graduation but not scheduled

Summer School/Credit Recovery

Summer school courses are offered on a limited basis for those students who need to recover credits in order to stay on pace for graduation. These courses may be offered at Mount Pleasant Area Junior-Senior High School, other area school districts or via an online format through eAcademy. Course availability will not be established until May or June of each year.

Grading System

The evaluation of pupil progress and achievement is the responsibility of each member of the professional staff of Mt. Pleasant Area High School. Grades will reflect a student's progress as to the quality of performance and the educational growth of the student. Grading will be by percentage points and based upon points earned for course requirements such as tests, projects, reports and class participation.
Specific requirements established by each individual teacher for every course will be distributed to students, discussed with each class, posted in classrooms, and be on file in the Main Office for review.

Explanation of Terms

Quality Points
Standard: A = 4, B = 3, C = 2, D = 1, F = 0
Weighted: A = 5, B = 4, C = 3, D = 2, F = 0

Prerequisite
Designed to indicate the minimum grade for acceptance into that course.

Grading Scale
A = 90 - 100 - Excellent
B = 80 - 89 - Above Average
C = 70 - 79 - Average
D = 60 - 69 - Below Average
F = Below 59 - Failure
I = Incomplete
N = No Credit
M = Medical
P = Pass

Honor Roll
4.00 Excellent
3.60 - 3.99 High Honors
3.00 - 3.59 Honors

Calculating GPA

1. Multiply the credit value of each course by the quality points of the grade received for that course. Add the total quality points for grades received.

2. Add the total number of credits taken during the grading period.

3. Divide the total number of credits into the total quality points received to achieve GPA.

Schedule Changes

The courses you select reflect a combination of required and elective choices. Any request for a schedule change must be made in writing and addressed to the Guidance Department before the deadline date. Any of these may be changed until the 4th nine weeks progress report.

Schedule changes after the last day of instruction will be limited to the following categories:
· A student fails a subject and must repeat that subject the next year.
· Schedule conflicts occur or errors are made by the school during the scheduling process.
· Students registered for a sequential course during the scheduling process and then performed poorly during the remainder of the year.
· A student desires to drop a study hall to add open elective course offerings.
· If a student fails to get a request, they will have an opportunity to schedule another class in its place. (This change is limited to the first 5 school days.)
· Late changes requiring specified change procedures.

It is imperative that good judgment be used when selecting courses. If you doubt your choices, we would suggest that you read the course description in the Program of Studies booklet. In addition, talk to students who are currently enrolled in the class, talk to the course instructor or a teacher you currently have for a related class. Choices you make now are what you will be expected to keep next year.

Course offerings are made based on enrollment and the number of students who request courses during the annual scheduling process. Occasionally it is necessary to not offer a course because of course demand. In that event, students may be reassigned to other courses based on student choice of alternatives or at the discretion of a school counselor or principal.

College in High School (CHS)

Mount Pleasant Area Senior High School has entered into a College in High School (CHS) relationship with **Mount Aloysius College, Westmoreland County Community College (WCCC), Seton Hill University and Saint Vincent College**. Under this program, students are able to earn college credits for coursework completed in high school. Courses will be approved on an annual basis. In order to earn college credit, students must register with the college through the link their teacher will provide at the beginning of the course, pay a nominal fee to Mount Aloysius, Seton Hill, Saint Vincent College or WCCC and maintain certain grade point requirements. Complete details of the program will be available from teachers who have a course recognized as a College in High School course.

Credits earned through any of our offered CHS programs may transfer to colleges and universities. Students are responsible for determining if the college or university in which you are interested in attending accepts the CHS credits. The best way to do this is to contact the admissions office of the college(s) you are interested in attending. After completion of the CHS course, students will need to contact the college registrar's office and request a transfer of the credits/transcript to the college the student will be attending. **Students must earn a grade of a "C" or higher to receive college credit. Students are responsible for keeping track of their CHS credits. CHS courses are subject to change.**

Mt. Pleasant Course	WCCC Course	WCCC Credit Value
Accounting	ACC155- Accounting I	3 credits
AP Chemistry	CHM155- General Chemistry I	4 credits
Intro to CAD	DFT258- Auto CAD	4 credits
Precalculus	MTH158- Precalculus Mathematics	3 credits
Spanish 3	SPA155- Beginning Spanish 1	4 credits
Spanish 4	SPA156- Beginning Spanish 2	4 credits

Mt. Pleasant Course	Mount Aloysius Course	Mt Aloysius Credit Value
AP Macroeconomics	EC211- Macroeconomics	3 credits
AP Literature	EN102- Introduction to Literature	3 credits
Anatomy	BL201- Anatomy and Physiology	4 credits
AP Calculus	CM117- Calculus I	4 credits

Mt. Pleasant Course	Seton Hill University Course	SHU Credit Value
AP Calculus	SMA130-Calculus 1 with Analytic Geometry	4 credits
AP Chemistry * (Fall)	SCH140-General Chemistry I SCH141- General Chemistry I Lab	3 credits 1 credit
AP Chemistry * (Spring)	SCH142-General Chemistry II SCH143-General Chemistry II Lab	3 credits 1 credit
AP Literature 11	SEL151-Topics in Literature	3 credits
Advanced Painting & Design	SAR120- 2-D Design	3 credits

Mt. Pleasant Course	Saint Vincent College Course	SVC Credit Value
AP Calculus	MA 109 - Calculus 1	4 credits
AP Chemistry	CH 101/103 - General Chemistry I and Lab	4 credits
AP English Literature 11	EL103 - Principles of Literary Study	3 credits
AP Language & Comp 12	EL102 - Language and Rhetoric	3 credits
Adv. Ceramics	AR 238 - Clay and Pottery	3 credits
Adv. Painting and Design	AR 225 - Painting	3 credits
Precalculus	MA 104 - Elementary Functions	3 credits
Spanish 4 (Mrs. Snyder)	SP 203 - Intermediate Spanish 1	3 credits
Young Engineers Program	ENGR 099 - Kennametal Young Engineer	3 credits

SENIOR HIGH SCHOOL COURSE OFFERINGS/SEQUENCING

English Language Arts

To meet the requirements for graduation from Mount Pleasant Area High School, each student must successfully complete a minimum of four credits of English. Any course failure must be made up. Tenth grade students will need to take and pass the newly adopted Keystone exam upon completion of grade 10 English. Broadcast & Print Media may be taken again in 12th grade in lieu of Academic English 12 if a student successfully completed the course in grade 9 through 11.

Honors English classes carry one credit and are not weighted. In order to maintain placement, each student is required to earn a minimum grade of C. This will be reviewed each semester. Any student who is unable to maintain the required grade will be placed in an Academic English class. Specifically, any student, regardless of placement method, who earns a semester grade of D or F or who earns two D's and/or two F's over the course of four grading periods in one academic year will be removed from the Honors English program at the end of the semester or year.

English Language Arts Sequencing

Academic

Grade 9	Grade 10	Grade 11	Grade 12
Academic English 9	Academic English 10	Academic English 11	Academic English 12 Print & Broadcast Media (Must be 2nd year +)

English Acceleration Program

Grade 9	Grade 10	Grade 11	Grade 12
Honors English 9	Honors English 10	AP English Lit & Comp	AP Lang & Comp

Math

To meet the requirements for graduation from Mount Pleasant Area High School, each student must successfully complete a minimum of three credits of math and a possible elective credit as per graduation requirements.

Keystone examinations are required of students completing Algebra 1.

Math Sequencing

Academic

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Algebra Or Algebra 1	Algebra 1 Algebra 2	Algebra 2 Geometry	Geometry Pre-Calculus/ Adv. Adv Algebra Trig and/or Statistics

Math Acceleration Program

Grade 9	Grade 10	Grade 11	Grade 12
Hon. Algebra 2	Hon. Geometry	Pre-Calculus	*AP Calc/ Adv. Algebra/Trig and/or Statistics

Science

To meet the requirements for graduation from Mount Pleasant Area High School, each student must successfully complete enough courses to a total of three credits of Science, one of which must be a biology course. Every student is required to successfully complete at least one science course each year through his/her junior year (grade 11), following the science sequence. Keystone examinations are required for students after completing Biology.

SCIENCE SEQUENCING

Academic

Grade 9	Grade 10	Grade 11	Grade 12
Int. Science	Biology	Chemistry and/or Physics	Physics and/or Astronomy/ Forensic Science

Science Acceleration Program

Grade 9	Grade 10	Grade 11	Grade 12
Honors Biology	Honors Chemistry	Honors Physics (Req). *AP Chem/*AP Bio (must take Honors Physics).	*AP Physics/*AP Calc *AP Chemistry and/or *AP Biology and/or Anatomy

Social Studies

Students are required to take a minimum of one (1) credit in the Social Studies Department each year. These courses are described below in the course sequence. Additional elective options are available but they do not take the place of the required credits. Within the required offerings students are able to take a more advanced level (Advanced Placement) of some courses.

SOCIAL STUDIES SEQUENCING

Academic

Grade 9	Grade 10	Grade 11	Grade 12
US History	Government	World History	Economics/Global Issues

Social Studies Acceleration Program

Grade 9	Grade 10	Grade 11	Grade 12
US History	Government	*AP World History	*AP Macroeconomics

Health & Physical Education

Physical Education Requirement: Students must have successfully completed one physical education course each year in grades 9-12.

Health Requirement: Students must have successfully completed one health course in grade 10.

Family & Consumer Science

The mission of Family and Consumer Sciences (Home Economics) is to contribute to the well-being of individuals and families. Family and Consumer Sciences helps to prepare students for life, along with developing skills that can contribute to obtaining a job.

Electives: Introduction to Foods, Advanced Foods, Child Development

Fine Arts Department

The National Art Honor Society is an academic achievement organization that recognizes the honor students. They are involved with bringing art to the community. Senior high students (grades 10, 11, 12) must be enrolled in an art class and maintain a GPA of 3.0 to be a member of the National Art Honor Society.

Tri-M National Music Honor Society is to recognize outstanding musicians in music, as well as general academics. Students must maintain a 4.0 in music classes, as well as a 3.0 overall GPA. Students must also perform as part of a solo or ensemble to maintain membership.

Electives: Introduction to Art, Advanced Painting & Design, Introduction to Ceramics, Advanced Ceramics, Introduction to Digital Art, Advanced Digital Art, Choir, Band

Foreign Language

Many colleges and universities require at least three years of a foreign language in high school.

Electives: French I, French II, French III, French IV, Spanish I, Spanish II, Spanish III, Spanish IV

Industrial Technology

These elective course offerings focus on action-based, hands-on experiences which challenge students to create products, discover solutions, construct projects and solve problems.

Electives: Introduction to CAD, Advanced CAD, Introduction to Industrial Materials, Advanced Industrial Materials, Robotics Engineering, Young Engineers Program

Business and Information Services

9th grade students must take Business Concepts

Personal Finance is a required course to be completed during grade 10-12.

Electives: Personal Finance, Business Concepts, Business Marketing, Business Management, 3-D Technology, Accounting, Broadcast and Print Media, Graphic Design Technology, Cyber Security

English Language Arts

Academic English 9 Credit: 1 Required Open to Grades: 9
This course includes reading a wide range of literature, composing in a variety of forms and modes, researching, and developing speaking and listening skills.

Honors English 9 Credit: 1 Required Open to Grades: 9
Prerequisite: English 8 -Final Grade B or Higher
Students enrolled in Honors English 9 encounter a wide range of literature and writing experiences. The course includes analytical reading and writing, researching, critical thinking, oral presentations, etc. at a Pre-AP level.

Academic English 10 Credit: 1 Required Open to Grades: 10
This course includes reading a wide range of world literature, composing for effective communication in high school and for college, researching, and developing speaking and listening skills. *(Keystone Examination administered at the end of the course.)*

Honors English 10 Credit: 1 Required Open to Grades: 10
Prerequisite: Acad. Eng. Final grade A or higher. Honors Eng. 9 final grade B or higher
This course includes a wide range of traditional Western literature and writing experiences. The course includes analytical reading and writing, critical thinking, oral presentations, researching, etc. at a Pre-AP level. *(Keystone Examination administered at the end of the course.)*

Academic English 11 & 12 Credit: 1 Required Open to Grades: 11 & 12
Academic English 11 includes reading a wide range of primarily American literature; Academic English 12 primarily British literature. In addition, students compose for effective communication in high school and college, research, and develop speaking and listening skills.

Academic English 11 & 12 Credit: 1 Required Open to Grades: 11 & 12
Academic English 11 includes reading a wide range of primarily American literature; Academic English 12 primarily British literature. In addition, students compose for effective communication in high school and college, research, and develop speaking and listening skills

*AP English Literature & Composition Credit: 1 Required Open to Grades: 11
Prerequisite: A or better in Academic English 10 or B or better in Honors English 10
Special Criteria: Intention to take AP exam
AP English Literature and Composition has, as a major emphasis, close analytical reading and response to major works of literature, including British, world and American of all time periods. Because AP English is part of a national program, it closely follows the national guidelines. The demands of reading and writing are challenging.

*AP Language & Composition Credit: 1 Required Open to Grade: 12
Prerequisite: A or better in Academic English 11 or B or better in AP English Literature
Special Criteria: Intention to take AP exam
This course is intended for highly motivated students who are both skilled readers, and who have developed their writing skills to a high level. The students will study primarily expository prose, vocabulary and writing techniques in preparation for the AP exam.

Math

Intro to Algebra Credit: 1 Required Open to Grades: 9, 10, 11, 12
A comprehensive review of real number properties and operations, including fractions, percentages, operations with signed numbers, and geometric formulas. The objective is to develop fluency in the language of introductory algebra; develop number sense and estimation skills; and use mathematical modeling to translate, solve, and interpret applied problems. Topics include linear equations and inequalities, equations of lines, graphs on number lines and rectangular coordinate systems, rules of exponents, and operations on polynomials.

Algebra 1 Credit: 1 Required Open to Grades: 9, 10, 11, 12

This course consists of the traditional Algebra 1 concepts with an approach that is consistent with the Keystone Assessment Anchors and Eligible Content. In addition to solving symbolic expressions, the student will learn algebra as a means of representation and as a problem solving tool. Connections will be made to geometry, statistics and discrete mathematics. Topics included in the course are: Operations with Real Numbers and Expressions, Linear Equations, Linear Inequalities, Functions, Coordinate Geometry, and Data Analysis/Statistics. *(Keystone Examination administered at the end of the course.)*

Algebra 2 Credit: 1 Required Open to Grades: 9, 10, 11, 12

Prerequisite: Successful completion of Algebra I

Algebra 2 is a continuation of the concepts found in Algebra 1, emphasizing the theoretical and geometrical interpretations of Algebra. Some of the topics included in this course are: Equations and Inequalities, Linear Relations and Functions, Systems of Equations and Inequalities, Quadratic Relations and Functions, Polynomials and Polynomial Functions, Rational and Radical Functions.

Honors Algebra 2 Credit: 1 Required Open to Grade: 9

Prerequisite: Successful completion of Algebra 1 and Teacher Recommendation

Special Criteria: Skill in algebraic manipulation is emphasized

This course is designed for the accelerated math student who has successfully completed Algebra 1. In Honors Algebra 2, an emphasis is placed upon the algebraic (symbolic), graphical, and numerical interpretations of the mathematical concepts. The graphing calculator is used for visual analysis of algebraic material to include real-world problem solving applications . The instructional setting will encourage the investigation, cooperation, and written/oral communication of algebra. Some of the topics covered in this course are: Linear Equations, Relations and Functions, Quadratic Functions, Polynomials and Polynomial Functions, Inverses and Radical Functions, Rational Functions and an Introduction to Exponential, Logarithmic, and Trigonometric Functions.

Geometry Credit: 1 Required Open to Grades: 10, 11, 12

This geometry course is designed for the purpose of developing students' understanding of both Euclidean (plane and solid) and Analytical geometry. Students will apply multiple plane and solid figure formulas to real world situations. By including formal proofs, students will generate conclusions and develop logic and reasoning. Throughout this course, students will establish the tools of geometry, use various types of measurement, and create figures with instruments. Some of the topics covered in this comprehensive course are: Parallel and Perpendicular Lines, Relationships in Triangles, Proportions and Similarity, Right Triangle Trigonometry, and Area and Volume of geometric figures and models.

Honors Geometry Credit: 1 Required Open to Grades: 10

Prerequisite: Successful completion of Honors Algebra 2

This honors geometry course is designed for the accelerated student who has successfully completed Algebra 2. The purpose of Honors Geometry is to develop students' understanding of both Euclidean (plane and solid) and Analytic geometry. Students will apply multiple plane and solid figure formulas to real world situations. By including formal proofs, students will generate conclusions and develop logic and reasoning. Throughout this course, students will establish the tools of geometry, use various types of measurement, and create figures using instruments. Some of the topics covered in this comprehensive course are: Parallel and Perpendicular Lines, Relationships in Triangles, Proportions and Similarity, Right Triangle Trigonometry, and Area and Volume of geometric figures and models.

Pre-Calculus Credit: 1 Elective Open to Grades: 11, 12

Prerequisite: Successful completion of Geometry

Special Criteria: Use of graphing calculator for outside homework assignments.

Pre-Calculus is a course with emphasis on the study of functions. The 12 basic functions will be covered with an emphasis on polynomial (linear, quadratic, cubic and quartic), rational, exponential, logarithmic and trigonometric functions. The conic sections are also covered in this course. Students who take this course will use graphing calculators every day. This course will prepare students for calculus as seniors or college mathematics for those who are graduating.

Advanced Algebra/Trigonometry Credit: 1 Elective Open to Grade 12

Prerequisite: Algebra 2 and Geometry

Advanced Algebra/ Trigonometry is designed for any senior who wishes to take a math elective his/her senior year. The topics that could be covered include: Matrices, Conic Sections, Exponential and Logarithmic Functions, Series and Sequences, Discrete Mathematics, Parametric Graphs, Vectors, Probability, Triangle Trigonometry, Circle Trigonometry with Graphs and Models, Identities, Inverse Trig Functions, Parametric Graphs, Vectors, and Analytic Geometry. The course is enhanced by the use of graphing calculators and hands - on activities.

Statistics Credit: 1.0 Elective Open to Grade 12
Prerequisite: Algebra 2 and Geometry
This course is designed to provide a basic understanding of descriptive and inferential statistics. Topics include measures of central tendency, standard deviation, combinations and permutations, probability, sampling, and various distributions. Statistics is the art of using data to make numerical conjectures about problems.

*AP Calculus Credit: 1 Elective Open to Grade: 12
Prerequisite: Pass Pre-Calculus
Special Criteria: Use of graphing calculator. Skill in algebraic manipulation and trigonometry is essential.
This course is designed for the advanced academic student who has successfully completed Pre-Calculus in his/her junior year. The basic material consists of the differential and integral calculus of functions of a single variable and plane analytic geometry. The theoretical and geometrical interpretations of calculus concepts are stressed. An emphasis is placed upon the algebraic (symbolic) graphical, and numerical interpretations of these concepts. Graphing utilities such as the graphing calculator and computer activities are used for visual analysis of mathematics and programming. Problem solving utilizing real world applications and mathematical modeling is emphasized. The importance of technology to solve these real world problems is stressed. Students may elect to receive four college credits from participation in our dual enrollment college program. Upon successful completion of this course (C grade), the student will receive college credits which are transferable to other universities and colleges. Topics covered in this course include: Functions and Graphing, Trigonometric, Transcendental, Logarithmic and Exponential Functions, Conic Sections, Limits, Continuity, Differentiation, Applications of the Derivative,The Definite Integral, Techniques of Integration, The Fundamental Theorem of Calculus, and Applications of the Definite Integral.

Science

Integrated Science Credit: 1 Required Open to Grade: 9
This course is an introduction to biology concepts . It is designed to make students aware of the general principles of science but to prepare them for concepts that will be found on the Biology Keystone exam. Along with their applications to technology and the world around them, students will learn through lecture, note taking, hands-on activities, laboratory work, and small group discussion. APEX is a requirement in this class. All students, regardless of academic abilities, can achieve success in this course. The grade is based on in-class projects, activities, tests, and participation. The student is expected to take an active role in class.

Honors Biology Credit: 1 Required Open to Grade: 9, 10
Prerequisite: Pass entrance exam and A in 8th grade Science/9th grade Integrated Science
This course centers around cellular and molecular biology with an emphasis on cell structure and function. Other topics covered include photosynthesis, cellular respiration, genetics (including DNA) and evolution. The NGSS and STEELS standards will be covered. All students will be required to have 40 minutes of APEX tutoring/remediation per week. This course is designed for the advanced academic student with intentions of entering a four year college program. Students should demonstrate a high degree of motivation and ability, as the demands on the student will be challenging.
(Keystone Examination administered at the end of the course.)

Biology Credit: 1 Required Open to Grades: 10
The course centers around cellular and molecular biology with an emphasis on cell structure and function. Other topics covered include photosynthesis, cellular respiration, genetics (including DNA), etc. Students will do hands-on/inquiry based activities. This course is designed to promote proficiency on the Keystone exam at the end of the year utilizing the NGSS and STEES standards. Students will be required to have a minimum of 40 minutes per week using APEX tutorials/remediation. *(Keystone Examination administered at the end of the course.)*

Honors Chemistry Credit: 1 Elective Open to Grades: 10, 11
Prerequisite: B - All math classes; B - Honors Biology or an A - Biology
This class is an introductory course for students who plan to attend college and pursue a science related field. This course will help students to discover the behavior of atoms, molecules, and ions, along with the reactions they undergo. Students will also do mass/energy calculations surrounding these reactions. Gas behavior and atomic bonding will also be covered. This class is a mixture of lecture, demonstrations, and student lab work. Students use computers in many lab investigations. Problem solving is emphasized in the course. An understanding of Algebra is a must. Tests,group work, and lab reports are used to determine the student's grade. This class is a prerequisite for students interested in taking AP Chemistry.

Chemistry Credit: 1 Elective Open to Grades: 10, 11,12
Special Criteria: Scientific calculator required
This class is an introductory course for chemistry. This course is to make students aware of general principles of chemistry and their application to technology. The course includes lecture, note-taking, guided practice in problem solving, demonstration, and laboratory work. The lab work is self-guided with instructor supervision. This course will help students to discover the behavior of atoms, molecules, and ions, along with the reactions they undergo. Students will also do mass/energy calculations surrounding these reactions. Gas behavior and atomic bonding will also be covered. This class is a mixture of lecture, demonstrations, and student lab work.

*AP Chemistry (with alternating day Lab) Credit: 1.5 Elective Open to Grades: 11, 12
Prerequisite: B -Honors Chemistry or A -Chemistry, Students must be enrolled in Honors Physics to take this course as an 11th grader
Special Criteria: Graphics calculator required
This class is modeled after a typical first year college chemistry course, both semesters. Substantial chemistry is required for students who plan to study engineering, medicine, chemistry, biology, and other science-related fields. This class is a mixture of lecture, demonstration, group work, and student lab work. The computer is used in many lab investigations. This course requires that 25 percent of the instructional time be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices which will be used later on in their college experience. It is designed to prepare students for the 3-4 hour labs in which they will be required to participate in as a college student. Emphasis is placed on concept application and problem solving. An understanding of Algebra is a must. Studied topics include: dynamic properties of chemical reactions, thermodynamics, nuclear, electro and acid/ base chemistry. Tests, homework and lab reports are used to determine the student's grade.

Physics Credit: 1 Elective Open to Grades: 11, 12
Special Criteria: Scientific calculator required
Physics is the study of the physical world. Objects as small as atoms and as large as galaxies are studied by physicists. They study the nature of matter and energy and how they are related. Topics in this class are velocity, acceleration, forces, and momentum.. The course includes lecture, note-taking, guided practice in problem solving, demonstration and laboratory work. The lab work is self-guided with instructor supervision. The student grade is obtained from assessment through written tests, homework, lab reports and quizzes. Physics is required in college for students of engineering, the sciences, and medicine.

Honors Physics Credit: 1 ELECTIVE Open to Grades: 11, 12
Prerequisite: B - Algebra 2, B - Geometry or if currently enrolled in Geometry, A - Algebra 2
Physics is the study of the physical world. Objects as small as atoms and as large as galaxies are studied by physicists. They study the nature of matter and energy and how they are related. Topics in this class are mechanics, waves, sound, and light. Students will complete experiments, problem solving, and simulations. This course is an introductory course intended for the student planning to attend a four-year college to study the sciences. Physics is required in college for students of engineering, the sciences, and medicine. This class provides the preparation needed for College or University Physics. This class is open to 11th and 12th grade students. This class is a prerequisite to AP Physics. Students wishing to take AP Physics must take this class in 11th grade.

*AP Physics (with alternating day Lab) Credit: 1.5 Elective Open to Grades: 12
Prerequisite: B -Honors Physics and B - Precalculus
Physics is the study of the physical world and includes topics such as mechanics. Mechanics is the study of motion. AP Physics mechanics topics include kinematics, dynamics, work, conservation of energy, momentum, collisions, rotations, equilibrium, oscillations, gravity and planetary motion. Motion is studied in one, two and three dimensions using Cartesian and polar coordinate systems. Students use vector mathematics and will use derivative and integral calculus in their studies. The focus of the class is problem solving as required for the test. This course is designed to prepare the student for the AP Physics C test in Mechanics. Success in this class is math-dependent. Recent studies show that the student who successfully completes the AP test will have high PSAT and high SAT scores in the math portion of these tests.

*AP Biology (with alternating day Lab) Credit: 1.5 Elective Open to Grade: 11, 12
Prerequisite: B - Honors Biology or A - Biology, Students must be enrolled in Honors Physics to take this course as an 11th grader
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course requires that 25 percent of the

instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices which will be used later on in their college experience. It is designed to prepare students for the 3-4 hour labs in which they will be required to participate in as a college student.

Forensic Science Credit: .5 Elective Open to Grades: 12
Special Criteria for Grade 11: Must be taking Astronomy
This course will introduce students to the world of forensic science and crime scene investigation. There will be biology (including some health/anatomy), chemistry and basic physics involved in the course. This class will be very hands-on and will have guest speakers and a trip to view an autopsy. This is only an introductory course and will only touch upon the various concepts pertaining to becoming a forensic investigator, coroner, detective, FBI Agent, etc. Topics to be discussed include: Introduction to crime scene investigations, physical evidence, glass and soil samples, fingerprints, hair and fiber elements, firearms/ballistics/tool marks, drug id/toxicity, handwriting/counterfeiting, arson investigation, and psychological profiling/interrogations.

Astronomy Credit: .5 Elective Open to Grades: 12
Special Criteria for Grade 11: Must be taking Forensic Science.
This is a general survey course of space science and astronomy for academic or general studies students. AstroSpace discusses space science and astronomy while avoiding higher math and lengthy “in-depth” discussions. All students, regardless of academic abilities, can achieve success in this course. The course studies astronomical phenomena as they relate to the Earth (tides, eclipses, moon phases, meteorites, etc.), historical astronomy, the “other worlds” (planets, moons, comets, etc.), and an overview of America’s space program (Moon Missions, Space Shuttle, aspects of living and working in space). Stellar evolution, galaxies, telescopes, spectroscopy, other tools of astronomy, aspects of deep space exploration, the search for extraterrestrial life, and other extra-solar system objects are also discussed. Planetarium sessions help identify the constellations and stars allowing the student to become more familiar with the night sky.

Anatomy Credit: 1 Elective Open to Grades: 11, 12
Prerequisite: B in Academic Biology or A in Biology
This is an introductory course designed to help students who intend on taking biology/anatomy in college. This course includes a study of the basic fundamentals of anatomy and physiology, such as the names and location of structures and their relationship to the functioning of the organs. Cells, tissue, organs and systems are of major consideration. Also covered are various diseases and disorders of the body. Laboratory work such as various dissections and a visit to a cadaver lab will be used to reinforce concepts. This course is highly recommended for those students intending to study medicine, nursing, athletic training, physical therapy, dentistry or chiropractic. This class is approved for dual enrollment/college credit through Mt. Aloysius College for a nominal fee at student expense.

Social Studies

U.S. History Credit: 1.0 Required Open to Grades: 9
The objectives of this course begin with post-Reconstruction industrial and urban development in the United States and conclude in modern times. The first two units provide a brief review of 8th grade U.S. History course material, spanning national origins to Civil War Reconstruction. The core curriculum develops political, diplomatic, economic, and social histories. Special emphasis focuses on political and economic positions as they apply to historical issues. Students interpret source documents such as political cartoons, editorials, pictures, etc. Assessments vary.

Government Credit: 1 Required Open to Grades: 10
Mandated: Pennsylvania Citizenship Exam (Pass/Incomplete)
This course offers a comprehensive overview of how the U.S. government functions at the national, state, and local levels. Students will explore citizenship responsibilities, key constitutional amendments, and historical influences like early English law. Detailed discussions on the Constitution, Supreme Court cases, and the Civil Rights Movement will highlight their impact on American rights and society. The course also covers the election process, media's role, the federal government’s three branches, and Pennsylvania's state government. A brief unit on Economics introduces economic systems and their connection to government.

World History Credit: 1 Required Open to Grade: 11
This course is oriented toward a chronological development of world history. It is divided into four sections: prehistory, ancient, medieval, and modern. It highlights the institution of culture and discusses cultural development. The emphasis is placed on the social, philosophical, and intellectual aspects of culture. Students study the growth of civilizations and will compare and contrast various civilizations, both past and present.

Contemporary Global Issues Credit: .5 Required Open to Grade: 12
This course examines major global events from 1939 to the present, focusing on the economic, political, and social forces shaping the modern world. Starting with World War II, it covers the Cold War, global economic shifts, and international institutions, emphasizing continuity and change in power dynamics, economic systems, and social movements. Students will explore globalization, technological advances, human rights movements, and key conflicts like the Vietnam and Soviet-Afghan wars, analyzing how historical developments influence today's global challenges.

Economics Credit: .5 Required Open to Grades: 12
This Economics course introduces students to fundamental principles of both microeconomics and macroeconomics, focusing on real-world applications and critical thinking. It covers key topics such as scarcity, opportunity cost, and the analysis of production possibilities, alongside an exploration of various economic systems, including command and market economies. Students will investigate the American free enterprise system, examining the roles of business organizations and labor markets. The course also delves into money, banking, and financial markets, emphasizing the functions of money, the evolution of U.S. banking, and investment strategies. Through case studies and interactive discussions, students will develop a solid foundation in economic concepts essential for informed citizenship and further study.

*AP Macroeconomics Credit: 1.0 Elective Open to Grade: 12
Quality Points: Weighted
Prerequisite: A or better in American History or AP American History; B or better in Algebra II
This AP Macroeconomics course explores economic principles and major global events from 1939 to the present, focusing on national income, price levels, economic growth, and international economics. Students will analyze the impact of historical events like World War II, the Cold War, globalization, and technological advances on global economies and policies. Through critical analysis, students connect macroeconomic concepts to real-world challenges, preparing for the AP exam with college-level reading, writing, and assignments.

*AP World History Credit: 1.0 Elective Open to Grades: 11
Quality Points: Weighted
Prerequisite: A or better in Government and A or better in Academic English or B or better in Honors English
This one-year course, open to juniors explores global historical processes, interactions, and themes from approximately 1200 CE to the present. The curriculum emphasizes comparative analysis of major civilizations, regions, and global developments across time periods. Students will engage with primary and secondary sources to deepen their understanding of how different cultures, governments, and economies have shaped world history. Students are required to complete two independent readings over the summer, chosen by the instructor, and one additional reading during the school year. The course culminates in the opportunity to take the AP World History Exam.

Psychology I Credit: 1 Elective Open to Grades: 10, 11, 12
The dynamic nature of psychology, its capacity for change as it accommodates fresh ideas is what makes psychology a very exciting field- study. This course of study seeks to explain the discoveries psychology has made while acknowledging that many aspects of human behavior remain the subject of debate and to explore the full range of psychology from cell to society, in an eclectic manner as free as possible from theoretical bias. Psychology I covers the following topics: learning, memory, body and behavior, sensation and perception, motivation and emotion, altered states, and personality.

Psychology II Credit: 1 Elective Open to Grade: 11, 12
Prerequisite: Pass Psychology I
Psychology surveys the entire lifecycle from birth to death. It details the intellectual, social and psychological developments of childhood. It examines the personal and social changes adolescents experience from late childhood to early adulthood. It discusses the opportunities and problems of adulthood and old age. It also turns to the problem of people who are considered abnormal and explores the roles that people play in influencing one another. Psychology II covers the following topics: infancy and childhood, adolescence, psychological testing, stress and conflict, defense mechanisms, human interaction, disturbance and breakdown, and therapy and change.

Criminal Justice Credit: .5 Elective Open to Grade: 9, 10, 11, 12
Criminal Justice System is a dynamic 18-week course that focuses on federal laws, state laws and the U.S. legal system. The course provides students with an introduction and overview of criminal law, the investigation process, crimes, search and seizures, arrests, crime prevention, court procedure, and police operations. The information will be presented using coursework, group activities, research and case reviews. Enrichment opportunities will be offered in the field of forensic science.

Health & Physical Education

Physical Education 9-12 Credit: .5 Required Open to Grades 9, 10, 11, 12
The goal of Physical Education is to develop a physically educated person. Responsible student behavior will be expected as students are encouraged to develop individual skills, teamwork, improve muscular strength, explore new activities such as swimming and experience being physically fit. The curriculum focus is on the psychomotor, cognitive and affective aspects of physical fitness and sports. A heavy emphasis is placed on each student attaining a healthy level of personal fitness as well as demonstrating personal responsibility and cooperation in all areas of the curriculum

Health Credit: . 5 Required Open to Grades: 10
Mandated: CPR (Pass//Incomplete)
The health program is designed to provide students with an opportunity to learn about the physical, mental, emotional, and social aspects of health. An emphasis is placed on the importance of making healthy decisions that will lead to a higher quality of life. Course information is presented in a practical manner incorporating current health trends and concerns. These courses are designed to give students the knowledge and skills necessary for a lifetime of health and fitness. Students are required to complete a CPR unit.

Family & Consumer Science

Introduction to Foods Credit: .5 Elective Open to Grades: 9, 10, 11, 12
The Introduction to Foods course emphasizes the basic principles of food preparation. Major units include cleanliness; safety and sanitation; kitchen safety; measurements and equivalents; microwave cookery, baking; nutrition; fruits and vegetables; soups, salads, casseroles; and eggs, cheese and milk. The major concepts will be enhanced through hands-on laboratory preparation of the foods being studied. Labs will correspond with units.

Advanced Foods Credit: .5 Elective Open to Grades: 9, 10, 11, 12
Prerequisite: Pass Introduction to Foods
The Advanced Foods course builds on the knowledge acquired in the Introduction to Foods. Major units covered include international cuisine; desserts, breads and pastries; meal management; and budgeting time. The major concepts will be enhanced through hands-on laboratory preparations of the foods being studied and application of meal management. Labs will correspond with units. Students may take Studio Foods multiple times.

Child Development Credit: 1.0 Elective Open to Grades 11, 12
The course introduces students to family structure, budgeting and housing, child development, prenatal development and child care concepts. The students study the physical, intellectual, social and emotional characteristics of young children. They learn practical techniques for guiding children and keeping them safe. Using this knowledge, the students participate in the on-site pre-school, planning and completing developmentally appropriate activities and games for preschool age children.

Fine Arts Department

Introduction to Ceramics Credit: .5 Elective Open to Grades: 9, 10, 11, 12
Introduction to Ceramics is a course designed for the beginning ceramic artist. This class teaches the basic hand- building techniques needed to create any simplistic ceramics project. Students will learn basic building and decorating skills needed for single creations and a combination of techniques for bigger and more unique creations that have a personal touch.

Advanced Ceramics Credit: .5 - Elective Open to Grades: 9, 10, 11, 12
Prerequisite: Pass Intro to Ceramics
Advanced Ceramics is designed for students who wish to further explore their interest in ceramics. Each student will have the possibility to become their own unique artist as they find their niche with texture details, composition, and elements of design through both hand-building and wheel throwing techniques. Students will take their ideas to a new level of

composition, surface quality, size, and color designs. The potter's wheel is fun and exciting…Students will learn to control their clay as they spin it to various sizes and shapes. Maybe you can make your own dinnerware set. Wheel thrown pieces will be separated as well as combined with sculptural and hand-built pieces. New lessons are rotated every four years so that students can enroll in Advanced Ceramics every year.

Introduction to Art Credit: .5 - Elective Open to Grades: 9, 10, 11, 12
Introduction to Art is an entry level course which employs time-honored methods and the use of traditional art materials. Students will learn about creativity, imagination, studio behavior, the elements of art and principles of design. Techniques include painting, drawing, two-dimensional designs, and printmaking. This course is intended for anyone who has an interest in drawing and painting. No previous art background is required.

Advanced Painting & Design Credit: .5 - Elective Open to Grades: 9, 10, 11, 12
Prerequisite: Pass Introduction to Art
Advanced Painting & Design is a production course that emphasizes traditional and non-traditional drawing and painting methods. This class touches on master artists, art styles, and art movements. It helps students to create their own style of creating through lessons of design and composition. Students will develop an understanding and appreciation of art as they connect, compare, and contrast artwork through various themes, cultures, and time periods. Students will expand their drawing and painting skills into multi-media and sculptural projects. This class is an exploration of fundamental art knowledge and skills with an emphasis on composition and color while exploring vocabulary and the history of art. New lessons are rotated every four years so that students can enroll in Advanced Ceramics every year.

Introduction to Digital Art Credit: . 5 Elective Open to Grades: 9, 10, 11, 12
In this course students use the computer and image editing software combined with personal drawings, photos, or computer drawn images to create amazing innovative art for the school setting. Students will continue to develop compositional skills, they will work with design issues such as color, text, and imagery arrangement. Problems that you face when combining images and text, will be discussed, also we will be converting hand drawn artwork into digital artwork. Students will be learning basic photo manipulation skills like photo merging, layers, styles and effects, and use of filters to create works of art. Programs used but not limited to Paint, Google Slide, and Adobe Programs.

Advanced Digital Art Credit: . 5 Elective Open to Grades: 9, 10, 11, 12
Prerequisite: Pass Introduction to Digital Art
In this course students will continue to develop compositional skills; they will work with design issues such as the use of the Art Elements and Principles of Design. Students will learn to transform traditional art practices into digital artworks. Projects may include working with and combining Photoshop, Illustrator, and Silhouette Studio, among other practices. This course will use a variety of techniques and materials to extend our learning. Also I wish to incorporate information about careers that involve Digital Art.

Choir Credit: 1.0 Elective Open to Grades: 9, 10, 11, 12
The Senior High Viking Choir is an auditioned performing ensemble that meets every day during the school year. Students learn the basics of singing including tone, intonation, blend, balance, and rhythm. Students will sing a wide variety of music throughout the year, and become familiar with the basics of reading music and music theory. Students will also prepare for several concerts throughout the year, and exemplary singers will be recommended to attend festivals hosted by Westmoreland County Music Educators' Association and/or the Pennsylvania Music Educators' Association.

Symphonic Band Credit: 1 Elective Open to Grades: 9, 10, 11, 12
The Senior High School Band prepares and presents music for a variety of events which include, but is not limited to: public concerts, parades, band festivals, and school assemblies. Concert performances are essential elements of this course. Demands of the course also include after-school rehearsals, and possible evening/weekend performances. Music of many styles and genres is rehearsed so that the band student is familiar with a large and varied repertoire. To become a member of the symphonic band, a student must have completed at least one year of musical study in the Junior High Concert Band. Alternatively, a student may undergo an audition for acceptance into the symphonic band. The student is expected to continue their musical development outside of the classroom by practicing at home. Band students of exceptional ability may audition and be recommended for a variety of interscholastic festival ensembles, including PMEA and WCMEA Honors Bands, PMEA District, Regional, and All-State bands and orchestra. Band members are also eligible for Jazz Ensemble, Chamber Music Groups, and Color Guard.
Participation in Marching Band, Jazz Band, and Honors Band will be highly encouraged.

Foreign Language

French I — Credit: 1.0 Elective — Open to Grades: 9, 10, 11, 12
French I is an introductory course in which students learn basic French pronunciation, vocabulary, grammar, sentence structure, conversation and culture. Students are expected to master specific vocabulary, beginning speaking and writing functions, and reading for understanding. Games, movies, discussions and other planned activities point out characteristics of many French speaking countries.

French II — Credit: 1 ELECTIVE — Open to Grades: 10, 11, 12
Prerequisite: Pass French I
French II is a continuation of the study of French grammar that is the most important part of the course, as well as pronunciation, conversation, sentence structure, and culture. Students are expected to master specific vocabularies, intermediate speaking and writing functions, and reading for understanding. Translating stories enhances comprehension, and memorization and repetition reinforces speaking skills. Games, movies, discussions and other planned activities point out characteristics of many French speaking nations.

French III — Credit: 1 Elective — Open to Grades: 11, 12
Prerequisite: Pass French II
French III is a continuation of the study of French pronunciation, grammar, conversation, sentence structure, and culture. The primary focus of French III includes both literature and grammar. Each story or poem translated will be accompanied by a vocabulary. Students continue to improve speaking skills through repetition and memorization. Games, movies, discussions and other planned activities point out characteristics of many French-speaking countries.

French IV — Credit: 1 Elective — Open to Grades: 12
Prerequisite: Pass French III
French IV is an advanced class in which students pursue the study of French pronunciation, grammar, sentence structure, conversation and culture. The main focus of French IV is literature. Each story or poem translated is accompanied by vocabulary and a test for comprehension. Students are expected to master specific vocabulary, advanced speaking and writing skills, and reading for comprehension. Students continue to improve speaking skills through repetition and memorization. Games, movies, discussions, and other planned activities point out characteristics of many French-speaking countries.

Spanish I — Credit: 1 Elective — Open to Grades: 9, 10, 11, 12
Prerequisite: Pass English
Spanish I is an introductory course in which students learn basic Spanish pronunciation, grammar, sentence structure, conversation and culture. Students are expected to master specific vocabulary, beginning speaking and writing functions, and reading for understanding. Games, movies, discussions and other planned activities point out characteristics of many Spanish-speaking countries. For entrance, most colleges require the study of at least 2 years of a foreign language in high school.

Spanish II — Credit: 1 Elective — Open to Grades: 10, 11, 12
Prerequisite: Pass Spanish I
Spanish II is a continuation of the study of Spanish grammar which is the most important part of the course, as well as pronunciation, conversation, sentence structure, and culture. Students are expected to master specific vocabularies, intermediate speaking and writing functions, and reading for understanding. Translating stories enhances comprehension, and memorization and repetition of speaking skills. Games, movies, discussions and other planned activities point out characteristics of many Spanish-speaking nations. For entrance, most colleges require the study of at least 2 years of a foreign language in high school.

Spanish III — Credit: 1 Elective — Open to Grades: 11, 12
Prerequisite: Pass Spanish II
Spanish III is a continuation of the study of Spanish pronunciation, grammar, conversation, sentence structure and culture. The main focus of Spanish III includes both literature and grammar. Each story or poem translated will be accompanied by a vocabulary test at the beginning and a test for comprehension at the end of the story. Students are expected to master specific vocabulary, advanced speaking and writing skills and reading for understanding. Students continue to improve speaking skills through repetition and memorization. Games, movies, discussions, and other planned activities point out characteristics of many Spanish-speaking countries.

Spanish IV Credit: 1 Elective Open to Grade: 12
Prerequisite: Pass Spanish III
Spanish IV is an advanced class in which students pursue the study of Spanish pronunciation, grammar, sentence structure, conversation and culture. The main focus of Spanish IV is literature. Each story or poem translated is accompanied by vocabulary and a test for comprehension. Students are expected to master specific vocabulary, advanced speaking and writing skills and reading comprehension. Students continue to improve speaking skills through repetition and memorization. Games, movies, discussions and other planned activities point out characteristics of many Spanish-speaking nations.

Industrial Technology

Introduction to CAD Credit: .5 Elective Open to Grades: 9, 10, 11, 12
Special Criteria: Need good basic math skills (fractions and decimals)
CAD incorporates the world-wide accepted AutoCAD. This is accepted as the drafting program of choice in all areas of science and engineering. CAD will allow you to be one step ahead in any engineering program. CAD includes basic drafting principles and stresses the operation of AutoCAD. One lesson builds on the next by introducing concepts that are new or more efficient than the previous lesson. Each concept is laid out to show purpose and reason for the operation involved. This class provides a good base in computer drafting that can parallel all drafting programs. Anyone that plans to pursue a career in engineering or design will benefit if they enroll in CAD.

Advanced CAD Credit: .5 Elective Open to Grades: 10, 11, 12
Prerequisite: Pass Introduction to CAD
Advanced CAD requires a thorough understanding of CAD I and CAD II. This course is devoted to the architectural processes of planning buildings and structures, plus the purpose and processes involved. Symbol libraries are produced and used extensively. Building plans and processes are stressed along with individual ideas and concepts. The concept of solid modeling is addressed when time permits.

Introduction to Industrial Materials Credit: .5 Elective Open to Grades: 9, 10, 11, 12
Industrial Materials is a comprehensive, action-based, hands-on educational program concerned with ways that humans manufacture products. The content and activities will take advantage of student's interest in discovering, creating, problem-solving, and constructing with a variety of tools, machines, materials, and processes found in our highly technological world. The proficient use and safe operation of all power tools and machines is stressed through required operations and projects.

Advanced Industrial Materials Credit: .5 Elective Open to Grades: 10, 11, 12
Prerequisite: Pass Basic Industrial Materials
Advanced Industrial Materials is a machine-oriented course that will teach the student production systems. In addition to traditional machine setup, safety, and maintenance, the course will also cover computer numerical control (CNC) setup and operation. Students will be constructing a production item and building various components to meet a product deadline. This course may be repeated for an additional .5 credit. If a student elects to repeat this course, projects will be more advanced and be completed as an independent, guided practice scenario within the classroom and under teacher supervision/approval. Projects may be self-selected with teacher approval.

Robotics Engineering Credit: .5 Elective Open to Grades: 9,10,11,12
Special Criteria: Need good basic math skills (fractions and decimals), organizational skills, and basic knowledge of electronics.
The Robotics Engineering class embraces the National Bots IQ Program, which is a spinoff of the popular Battlebots television show. During the course of one semester, students will build combat style robots and compete against other teams/schools to see who has designed and built the best product. Enrolled students gain hands-on experience that allows them to discover the possibilities of a career in the manufacturing sector and other Science, Technology, Engineering, or Math (STEM) fields. Course work will be project based and encompass opportunities for cooperative learning and problem solving. Students will be able to retake this class.

Young Engineers Program Credit: .5 Elective Open to Grades:11,12
Prerequisite: Pre-Calculus
Special Criteria: Students must be able to attend eight three-hour sessions from 12:00 to 3:00 PM at Kennametal Technology Center, in addition to daily scheduled class time. Students are expected to have a strong foundation and interest in science and mathematics. The program provides students with information and experiences to better

understand and be more prepared for engineering careers. The students attend lectures taught by Kennametal employees (Innovators) and participate in hands-on activities, projects and field trips at Kennametal twice monthly during the fall semester to learn more about engineering and the manufacturing process in a real-world setting. During the class time at the high school, students prepare for their sessions at Kennametal, participate in projects and STEM activities, and develop professional career skills. Students will be able to retake this class.

Business and Information Services

Personal Finance Credit: .5 Required Open to Grades: 10, 11, 12
Planning on living on your own? Whether you are planning on attending college, technical school or just plain moving away from home, Personal Finance is a must take course for you. Personal Finance equips students with the tools necessary to make effective consumer decisions and how to live within their means in our global economy. Students will learn how to file federal tax returns. Other concepts will include banking strategies, consumer credit, purchasing strategies, financial career planning, home, medical, vehicle and life insurance. Students will use a variety of techniques, including hands-on activities and the latest in computer technology. Take an active role in your financial future by acquiring the tools necessary for financial success. This course may be used to fulfill your computer requirement.

Business Concepts Credit: .5 Required Open to Grade 9
This course offers an integrated approach to understanding essential business principles and the effective communication skills needed to succeed in a professional environment. This course will give students a better understanding of what it will take to become a part of any business organization or create your own business. First, students will discover the basic terminology in business and the economy. Topics include-global business practices, business ethics, and the different forms of a business. Students will research franchises and also complete job applications.The second part focuses on developing the communication skills necessary for conveying ideas, managing relationships, and making informed decisions within a business context. Students will finish the course with a practical application in entrepreneurship and a knowledge of what it takes to design a business.

Business Marketing Credit: .5 Elective Open to Grades: 9, 10, 11, 12
Quality Points: Standard
Business Marketing is a course that introduces students to the principles of marketing, with a focus on app creation, branding, and design. Students will learn how to develop and promote products by exploring brand identity, digital marketing strategies, and the basics of app development. This course empowers students to create compelling marketing campaigns, design user-friendly applications, and understand the power of brand influence in a digital world. Examples of this course will included App Creation, Marketing, Signage, Web Design etc.

Business Management Credit: .5 Elective Open to Grades: 9, 10, 11, 12
Business Management is a course designed to introduce students to the fundamentals of managing a business, with a focus on entrepreneurship and business finance. Students will explore the essential principles of starting and running a business, financial planning, budgeting, and the management skills needed to succeed in today's competitive market. This course empowers students to develop creative solutions, make sound financial decisions, and understand the challenges and rewards of entrepreneurship. Examples will include Incorporate Entrepreneurship and Business Finance.

3D Technology Credit: .5 Elective Open to Grades: 9, 10, 11, 12
3D Technology is a hands-on course designed to introduce students to the basics of Unreal Engine, a cutting-edge tool widely used in industries such as architecture, design, simulation, and virtual production. Throughout the semester, students will develop practical skills in creating immersive 3D visualizations and interactive experiences. Students will create multiple projects using the software. Whether aspiring architects, designers, or technologists, this course provides a solid foundation for leveraging Unreal Engine as a powerful tool in the realm of 3D visualization technology. Students will be able to retake this class.

Accounting Credit: 1 Elective Open to Grades: 10, 11, 12
Accounting is a business course that introduces the language of business, using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision making. Instructional strategies include the use of computers, projects, and simulations. This course is EXTREMELY beneficial to the student planning to major or enter into any field of business or business ownership. This course may be used to fulfill your computer requirement.

Broadcast and Print Media Credit: 1 Elective Open to Grades: 9, 10, 11, 12

This course is designed to expose students to all of the aspects of media including both print and broadcast journalism. Students will take part in working with all facets of broadcasting, video streaming, newswriting, and publishing. The course will serve as a media hub for MPA TV (announcements and live stream broadcasts), *The Cymbal* (senior high newspaper), and *The Log* (senior high yearbook.) Course requirements include in-class projects, as well as assignments in the field (i.e. covering after school events). Students will be expected to meet deadlines, complete team assignments for each media discipline, and communicate with diverse groups of people from both the district and the community. This course is designed to give students real-world experience in all types of media. This course may be used to fulfill your computer requirement.

Graphic Design Technology Credit: .5 Elective Open to Grades: 9, 10, 11, 12

This course introduces students to digital communication tools and software, focusing on Canva and Cricut Design Space as well as SVG and PES files. Students will have access to cutting machines, an embroidery machine, and a variety of heat presses. Students will explore logo and image design, applying their work across multiple surfaces using different applications. Projects may include, but are not limited to: decals, T-shirts, stickers, and a variety of other products. Throughout the course, students will learn essential design concepts. Students will be able to work with adhesive/heat transfer vinyl, patches, embroidery, and direct to film transfers. Working both individually and collaboratively, students will develop skills in pricing materials, pitching ideas, and producing final products. Participation in some after-school activities may be required. This course is designed to be retaken, allowing students to further develop and refine their design skills with each enrollment as well as acting as mentors to those taking Graphic Design Technologies for a first time.

Cybersecurity Credit: .5 Elective Open to Grades: 9, 10, 11, 12

This course provides an introduction to the core concepts of cybersecurity, with an emphasis on ethical practices, securing data and systems, and understanding the global landscape of digital security. Students will explore essential topics such as the ethical responsibilities of cybersecurity professionals, including the legal and professional standards that guide their work. The course will also cover how to build trust on networks through secure communication protocols and authentication methods. Additionally, students will examine the challenges of securing the open and decentralized nature of the Internet, alongside tools and techniques for protecting sensitive data, such as encryption and access control. By the end of the course, students will have developed a strong foundation in both the technical and ethical aspects of cybersecurity, equipping them with the practical skills needed to secure systems and data in a rapidly evolving digital world.

Central Westmoreland Career & Technology Center

The Central Westmoreland Career and Technology Center exists to serve the career needs of the students of the nine participating school districts: Belle Vernon, Norwin Greensburg-Salem, Penn Trafford, Hempfield Area, Southmoreland, Jeannette City, Yough, and Mt. Pleasant Area.

For more detailed information, please visit: www.cwctc.org

CWCTC is an extension of the sending schools. Twenty-three different career-technical programs are offered. Students who elect to enroll in a career-technical program continue to take their required academic subjects courses at the home high school during half of the school day and attend the career- technical school the other half day for their specialized career-technical program.

High school diplomas at graduation are given only by the home high school. CWCTC does, however, award credits toward high school diplomas:

Grade 10 - 3 credits Shop & .5 credit Wellness
Grade 11 - 3 credits Shop & .5 credit Wellness
Grade 12 - 3 credits Shop & .5 credit Wellness

CWCTC also awards a certificate to each graduating senior who has successfully met the standards along with a list of program competencies specifically detailing each student's level of mastery of occupational tasks as certified by the career-technical school teacher.

The primary purpose of CWCTC and its curriculum is designed to serve students in 10th, 11th, and 12th grades that are interested, have the aptitude and can profit from this type of educational experience. Students completing their chosen program at CWCTC are able to secure profitable, entry-level, employment or to pursue further study at various post-secondary educational institutions.

* See a school counselor for additional information.
** Programs and offerings are subject to change.

Please note that the Career and Technology Center works off of the same grading scale as the Mt. Pleasant Area School District.

Central Westmoreland CTC Programs of Study

It is the policy of Central Westmoreland Career and Technology Center not to discriminate on the basis of race, sex, religion, color, national origin, handicap or limited English proficiency in its Educational Programs, Activities or Employment Policy as required by Title IX of 1972 Educational Amendments, Title VI of the Civil Rights Act of 1964, Section 504 Regulations of the Rehabilitation Act of 1973, and the American Disabilities Act. For information regarding services, activities, programs, and facilities that are accessible to and usable by handicapped persons, or for inquiries regarding compliance with the above nondiscriminatory policies,contact the Title IX /Section 504 Coordinator; Daniel Glover,dan.glover@cwctc.org, 240 Arona Rd, New Stanton, PA 724-925-3532 #1305

Central Westmoreland Career & Technology Center offers vocational skill training and academic course work for secondary students from 10 sending districts. Upon completion of their program of study, secondary students enter the workforce or continue onto a post-secondary institution. CWCTC is committed to helping all students become lifelong learners to keep pace with the changes in technology which will permit them to remain competitive in a highly complex work environment and to contribute to our region's economic growth. The CWCTC offers 19 Programs with opportunities to earn industry certifications/credentials and articulated credits for higher education. See www.cwctc.org for more information. More information about qualifying for advanced credits is available at SOAR (Students Occupationally and Academically Ready)

Agriculture & Landscape Design - Do you enjoy working outdoors and in nature? Would you like to design and maintain outdoor spaces? Explore caring for animals with our own small farm family members. This program is a specialized curriculum designed to prepare students to be desirable employees of architects, landscapers, nurseries, greenhouses, florists or various other landscape businesses. Both maintenance and establishment of lawns, as well as, landscaping homes and businesses are

included in the curriculum. Caring for small farm animals. The principles of design are also included along with plant identification, budgeting, and cultivation procedures. Certification opportunities; PA Pesticides, ICPI, NCMA, Versa Lock Basic Training

Aspiring Educators Program - Have you ever considered a career in education? Available to rising Juniors, the Aspiring Educators Program combines theory work led by a master teacher with interactive field experiences. The Program will work with teacher preparation programs at nearby colleges and universities. Successful completion of the Program will afford students articulation and dual enrollment opportunities at no additional cost. The Aspiring Educators Program is a collaborative initiative between the CWCTC and our sending high schools. The program will operate out of our designated locations for half of the academic day. Placement is dependent upon the sending school location. All core classes are still delivered at the sending LEA. - Student drivers are permitted. *See your school counselor for additional information with the application process. Limited seats available.

Automotive Collision Technology - Have you always wanted to restore or repair a classic car or paint a hot rod? Automotive Collision students will learn the skills needed to repair, reconstruct, and finish damaged vehicle bodies, and external features. In a garage setting, students will learn maintenance and safety standards of the automobile industry. They will have the opportunity to work with frame straightening equipment, complete car panel replacement, and work in a spray booth, which includes state- of- the- art water-based technology. Students will also practice customer service skills and estimate the cost of vehicle repairs. Certification opportunities; SP2 & OSHA 10

Automotive Mechanics Technology - Do you have an interest in cars and trucks? Are you mechanically curious and like to troubleshoot technical problems? Students who choose this program will be prepared to work with the latest technology that will provide them with the skills needed to repair, service, and maintain automobile systems and their components. Students will receive instruction in brake systems, electrical systems, fuel systems, engine performance and repair, suspension and steering, and air conditioning. Critical thinking skills will be employed and strengthened through the diagnosis and repair of current model vehicles. System training simulators are utilized and students will learn the procedures for State Inspection and Emissions. Certification opportunities; ASE, PA State Safety Inspection & Emissions, SP2 Safety/Pollution, A4, Lifting it Right, EPA 609 Refrigerant

Computer Information Science - Do you consider yourself a novice coder? Are you curious about how videogames are designed? How are computers built and networked? Discover what happens in the background. Students in the Computer Information Science classroom will be instructed in various programming languages. Students will gain an understanding of computer fundamentals, Microsoft Office, HTML, Javascript, CSS, C++, Java, and Linux Operating Systems. Students will develop web pages and sites and will learn to troubleshoot backend and frontend applications in a variety of workplace environments. Certification and dual credit opportunities.

Construction Trades - Do you like to build things and work with power tools? Are you interested in what it takes to build something from the ground up? Students will be instructed in a variety of the skills in several construction trades areas including carpentry, electrical, masonry, plumbing, and equipment operating. Students will learn the following carpentry skills; cutting, shaping and installation of building materials during the construction of buildings, bridges, concrete formwork, etc. Students will learn aspects of the electrical trades by installing and repairing wiring, and maintaining electrical systems. Students will also learn relevant safety regulations and electrical codes to ensure that they perform a job properly. Students will study the art of masonry which includes bricks, concrete blocks, or natural stones to build structures that include walls, walkways, fences, and chimneys. Students will learn the systems of pipes, tanks, fittings, and other apparatus required for the water supply, heating, and sanitation in a building. This program also prepares students to safely maintain and operate different pieces of diesel equipment such as skid loaders and mini excavators. Student learning will include cost estimating and blueprint reading, use and maintenance of power and hand tools, general safety and building Code requirements. Certification opportunities; OSHA 10, OSHA 30, American Ladder Safety.

Cosmetology - Are you interested in Hair, Make-up and Nails? Do you find yourself scrolling through style ads for current fashion industry trends? A salon environment allows students to practice and prepare to become licensed cosmetologists. Students will gain skills in haircutting, hairstyling, chemical treatments, manicures and pedicures, as well as facial treatments. Information and training will be focused on salon safety and sanitation, customer service, and applicable labor laws and regulations. Students who successfully complete the 900 hours of coursework will be eligible to take the PA State Board of Cosmetology Examination. Upon passing the exam and completion of the remaining 350 hours of training the candidate will become a PA licensed Cosmetologist (1250 total training hours). Certification opportunities: Licensed Cosmetologist, Licensed Nail Technician, Licensed Esthetician, SP2 Cosmetology, and OSHA 10.

Culinary Arts- Do you enjoy cooking and baking? Do you like to watch culinary shows or dabble with creating your own recipes? The students will gain the skills to effectively work safely and under pressure in the hospitality industry. Instruction will

focus on following standardized recipes/formulas, instructions, time management, selecting, storing, preparing and serving food safely, waitstaff training, menu planning and basic nutrition. Food safety and sanitation and learning the proper techniques to use and care for commercial equipment will be taught as well. Throughout the course, students will receive an introduction to culinary arts, baking and pastry arts, to include proper cooking methods and temperatures, soups, stocks and sauces, weighing and measuring with accuracy, and cake decorating. Instruction and on the job training will occur in our industry equipped kitchen and restaurant type setting. Certification opportunities; Beef University, Lamb Curriculum, OSHA-etool (Young worker safety), SP2, OSHA 10, Servsafe - Allergens, Food Handler, Manager, ProStart COA, Rouxbe-Professional Cooking, Heartsaver First Aid/CPR, ACF (CFC), ACF (CC)

Electrical Technology - Are you into exploring how things work? Can you follow a complex set of directions to build something? All things electricity... Students in this program will learn to install, operate, maintain, and repair electrical systems. Use of electrical codes, circuit diagrams, and blueprint reading will be key components. Students will gain valuable experience working with transformers, conduit bending, resulting in a solid background to working in the electrical field. Certification opportunities: OSHA 30, Ladder Safety, Heartsaver First Aid/CPR

Health Occupations Technology - Do you see yourself working in the healthcare industry? Do you have compassion and like to help others? Are you interested in the human body and its systems? Students choosing this program will gain knowledge to assist them in preparing for a future career in a related field. The class will focus on basic structures and functions of the human body, related diseases with associated terminology, legal and ethical aspects of health care, and communication. Nutrition, safety, infection control, emergency care, and disaster preparedness are also studied. Students will combine core book knowledge with skills practice in order to be ready to meet the needs of the healthcare industry. Certification opportunities; AMCA-PCT Testing

HVAC & Steamfitting - Do you like to solve mechanical problems? Can you follow complex directions and enjoy using hand tools? Students will learn to repair, install, service and maintain heating, air conditioning, and refrigeration systems as well as installing, assembling, fabricating, maintaining, and repairing mechanical piping systems. Students will learn diagnostic techniques, blueprint reading, the use of testing equipment, electronic and pneumatic control systems, and the principles of electricity, electronics and mechanics as each relates to the industry. Students will also learn how to overhaul, repair, and make adjustments to various units and parts. Certification opportunities; OSHA 10/30, EPA, 608 Refrigerant

Multimedia Design - Are you creative? Do you like to create art by hand and on the computer? Create advertisements, web pages and more... from sketching to photography and even creating your own ad campaigns that include video. Students in this program will be able to apply knowledge and skills in the field of multimedia design. The elements and principles of art are the basis of good design. Combined with graphic design, audio, visual, web introduction, and photography this course provides the instruction necessary to develop a creative concept into a final visual communication product. Oral and written communication, customer service, and display production are a focus. Students will design, edit, and create projects using hand illustration and computer design software such as Adobe Illustrator, InDesign, Photoshop, Premiere, and AfterEffects. Certification opportunities; Adobe Certified Associate in multiple areas (Additional Certifications -Available Certifications -SP/2- Land that Job! Building a Resume, SP/2- Time for a Team Huddle! Running Successful Team Meetings, SP/2- Be a Pro! Life Skills for Professional Success, SP/2- Creating a Customer-Centered Culture, SP/2- Telephone Skills for Today's Professional World, SP/2- Successful Meeting Management for Managers and Business Owners, Free Code Camp - Responsive Web Design Certification, Google - Digital Marketing, Google - Project Management, HubSpot - SocialMedia Marketing and Great Learning - Intro to Graphic Design with Photoshop)

Powerline - Do you enjoy the outdoors? Would you say you are an all weather type of person who is not intimidated by heights? Is helping others through providing the resources of energy and communication interesting to you? Students will gain technical knowledge and skills in installation, troubleshooting and repair of telecommunication equipment of all kinds. Throughout the course, students will gain a fundamental understanding of electricity and electronics and will learn about fiber optics and copper based systems. CWCTC students will have the opportunity to study pole and tower climbing techniques, trenching, high voltage installation, maintenance and inspection. safety and applicable codes and standards in regards to the powerline and telecommunications fields. Certification opportunities; National Ladder Safety, OSHA 10, Copper Networking, Fiber Optics

Protective Services - Are you interested in public service and saving lives? Do you have a drive to help others in an emergency event? Would you like to protect and serve your community? OUr instructional program focuses on three areas of learning: firefighting services, emergency medical technician training and law enforcement. Students will apply technical knowledge and skills required to work in the public safety sector and will be expected to learn a minimum level of proficiency in all areas of the training program. The program focuses on personal safety and the relationship between the public safety agencies. Skill sets within the program include vehicle and equipment operations, application of math skills, communication skills, and prehospital emergency medical assessment and treatment. Students will participate in live fire exercise in a simulated residential

burn building. Certification opportunities: (EBM Program) ICS 100/700, HMA, PSFA Rope 1, II, PA-DOH Basic Vehicle Rescue (Exterior & Interior), First Aid CPR

Restoration & Design - Do you like to rearrange, paint or decorate your room and other spaces? Are you creative and like to explore design trends? Repurpose something to make it useful again through design, refinishing and repair techniques. Students in this program will be prepared to apply technical knowledge and skills to finish exterior and interior structural surfaces by applying protective or decorative coating materials, such as paint, stain, and wallpaper. Includes instruction in surface preparation; selecting, preparing, and applying finishes. Students will learn equipment operation and maintenance; finish selection; safety and clean-up; environmental effects on finishes; adhesion properties; and applicable codes and standards. Design, color theory, and faux finishes are also explored. Certification opportunities; NCCER CORE, National Ladder Safety, OSHA 10

Robotics Engineering & Manufacturing(REM/Phoenix Manufacturing) - Do you have a technical and mechanical mindset? Are you interested in how things work and building something from the bottom up? How about manufacturing your own parts and designs? BotsIQ opportunities galore in this exciting and dynamic working lab. You will be working with our state of the art HAAS machines, 3 D Printers and more. Robotics, Engineering & Manufacturing is a program focused on the development, installation, and use of Advanced Manufacturing devices. This program prepares students for careers in the engineering and manufacturing fields. Students enrolled will learn a combination of electronics, manual machining, mechanical drives, CNC machining, fluid systems, programming, inspection, robotics, properties of materials, and engineering processes. Students who enjoy STEM activities will enjoy this classroom and will be engaged in designing, developing, and testing electromechanical devices, automation systems, manufacturing systems. Students will also learn how to work as a team and develop engineering solutions to problems. There is a focus on industrial systems and procedures. Certification opportunities; Certifications, CNC Mill/Lathe Certifications, OSHA 10 Certification,

Service Occupations - Do you like to do a variety of things both indoor and out? Do you enjoy helping others and creating a clean and welcoming environment? Would you like to work with customers?
Service Occupations is an innovative program focusing on training students in a diverse array of skill sets in service-related employment areas. Students will learn in an environment that fosters good work ethic, competitive time on task and appropriate work skills for each identified career area. The Service Occupations curriculum encompasses the areas of workplace safety, grounds maintenance, cleaning practices, housekeeping, custodial and retail stock, as well as, kitchen safety, cooking and baking, food preparation, dining room services, commercial dishwashing and commercial laundry services. All areas are instructed with the intent of achieving a level of competency commensurate with competitive employment. Certification opportunities; American Ladder Institute, ServeSafe Food Handler, First Aid/CPR *Students and families interested in applying to this program will need to contact their school counselor for more details*

Sports Medicine - Are you thinking about a career in healthcare and enjoy helping others? Interested in how the body responds to injury and how to improve athletic performance? The goal of the Sports Medicine program is to prepare students for placement in a post-secondary institution for advanced studies in the health sciences. Course topics include medical terminology, anatomy and physiology, body systems, sports nutrition and hydration, and concussion management. Students will become proficient in the use of therapeutic modalities, vital signs assessment, injury diagnosis and management, and injury rehabilitation through therapeutic exercise and exercise prescription. Students who successfully complete the Sports Medicine program often enter the healthcare field as physical therapists, physical therapist assistants, occupational therapists, athletic trainers, physician assistants, exercise physiologists, sports psychologists, nurses, medical assistants, and rehabilitation aides. Certification Opportunities: BLS for the Healthcare Professional (CPR/AED); Articulations with local Colleges: Duquesne University, Robert Morris University, Penn West University.

Welding & Metal Fabrication - Are you interested in working in the metal industry? Do you like to build and design things? Design, Fabricate and Weld using industry tools of the trade, which includes a 4 x 8 ft. plasma cutting machine. Students in this class will learn technical knowledge and skills to join or cut metal surfaces using stick welding, tig welding, mig welding, and flux core welding. Safety practices are a focus in this program. Instruction includes welding symbols, properties of metals, types and uses of electrodes and welding rods, and blueprint reading. Certification Opportunities; AWS

*** Students who are enrolled in the career-technical program at CWCTC will complete Health and Physical Education requirements at CWCTC.**

Services for School-Age Exceptional Children

The Mount Pleasant Area School District provides a free appropriate public education to exceptional students. To qualify as an exceptional student the child must be of school age, in need of specially-designed instruction and meet the eligibility criteria for mentally gifted and/or one or more of the following physical or mental disabilities, as set forth in the Pennsylvania State standards: autism/pervasive developmental disorder, blindness/ visual impairment, mental retardation, multi-handicap, neurological impairment, other health impairment, physical disability, serious emotional disturbance, specific learning disability and speech/language impairment.

The district engages in identification procedures to ensure that eligible students receive an appropriate educational program consisting of special education and related services, individualized to meet the student needs. At no cost to the parents, these services are provided in compliance with state and federal law and are reasonably calculated to yield meaningful educational benefit and student progress.

To identify students who may be eligible for special education, various screening activities are conducted on an ongoing basis. These screening activities include: review of group-based data, cumulative records, enrollment records, health records, report cards, ability and achievement test scores; hearing, vision, physical and speech/ language screening; and review by the instructional Support Teams. When screening results suggest that a student might be exceptional, the District seeks parental consent to conduct a multi-disciplinary evaluation. Parents who suspect their child is exceptional may request a multi-disciplinary evaluation at any time through a written request to the building principal.

Services designed to meet the needs of exceptional students include the annual development of the Individualized Educational Program (IEP), bi-annual multidisciplinary re-evaluation, support intervention in the regular class, supplemental intervention in the regular class or in the special education resource program, placement in a part-time or full-time special education class in a regular school or placement in a full-time class in another location other than the regular school. The extent of special education services and the location for the delivery of such services are determined by the IEP team and are based on the student's identified needs and abilities, chronological age and the level of intensity of the specific intervention. The district also provides related services, such as transportation, physical and occupational therapy required for the student to benefit from the special education program.

Parents may obtain additional information regarding special education programs and services and due process rights by contacting the child's school principal or calling the central office at 724-547-4100, extension 6000.

College Preparatory Course of Study

This course of study is designed for students who are considering continuing their education at a four-year college level. This program places emphasis on academic and advanced courses, depending on the field of interest of the student and his/her ability. It is not recommended that students enroll in this program if he/she has not been able to maintain at least a "C" with the quality of work completed. The entrance requirements of the college the student plans to enter should be carefully considered in the selection of subjects.

Grade 9: Academic English 9 or Honors English 9; American History; Algebra I or II; Integrate Science 9 or Honors Biology; Foreign Language; Phys Ed; Computer courses and Electives

Grade 10: Academic English 10 or Honors English 10, Government; Algebra II or Geometry;, Biology or Honors Chemistry; Foreign Language; Phys Ed/Health; Computer courses; Electives

Grade 11: Academic English 11, World History; Algebra II, Geometry, Pre-Calculus; Honors Physics, Chemistry, Anatomy, Chemistry, AP Chemistry; Foreign Language; Phys Ed; Computer courses; Electives

Grade 12: Academic English 12; Current Events/Economics; Pre-Calculus, AP Calculus, AP Chemistry, AP Physics, AP Biology, Anatomy, Physics, Graduation Project; Phys Ed; Electives

Preparation for College Timeline

Freshman Year:
· Plan your program with college entrance requirements in mind.
· Establish strong habits; study hard.
· Take part in extracurricular activities.

Sophomore Year:
· Fall: find out about the standardized testing schedule. Take the PSAT test for practice.
· Spring: continue to work on study habits, reading and writing skills and vocabulary.
· Plan your junior year schedule carefully. Consider honors or AP classes.
· Commit yourself to favorite extracurricular activities and to personal development.

Junior Year:
· Take the PSAT/NMSQT test.
· Attend college fairs; talk to college reps.
· Winter: begin researching colleges.
· Spring: take SAT and/or ACT tests.
· Discuss college options with a counselor.
· Read; research schools. Aim for 12.
· Research school websites.
· Summer: visit schools or arrange for fall visits.
· Spring: plan your senior year schedule carefully. Check college requirements. Consider honors or AP classes.

Senior Year:
· Visit schools you have not seen yet.
· Athletes: Register with the NCAA Eligibility Center if you are planning to play a sport at either a Division I or Division II school.
· Fall: Narrow down to about three schools to apply to; decide about early decisions.
· Retake SAT and/or ACT if necessary. Take SAT Subject Tests if required by school.
· Complete applications; get recommendations
· Complete FAFSA as well as any other financial aid information required by your school.
· Spring: reply to admissions offers.
· Keep up grades and activities.
· Take AP exams and send scores.

Pennsylvania Graduation Requirements- Act 158

Students graduating in 2023 and beyond, the following five options exist to meet the statewide graduation requirement:

In accordance with Pennsylvania's Act 158 of 2018, beginning with the graduating class of 2023, students must meet statewide graduation requirements in one of five ways.

Options 1 and 2 - Keystone Pathways:
Successful completion of the three Pennsylvania Keystone Exams are an acceptance pathway for graduation:

- **Option 1- Keystone Proficiency Pathway:** Scoring proficient or advanced on each Keystone Exam- Algebra I, Literature, and Biology.
- **Option 2- Keystone Composite Pathway:** Earning a composite score of 4452 on the Algebra I, Literature, and Biology Keystone Exams (while achieving at least a proficient score on at least one of the three exams and no less than a basic score on the remaining two).

Option 3 - Alternate Assessment Pathway:

Successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and one of the following:

- Attainment of an established score on an approved alternate assessment (SAT, PSAT, ACT, ASVAB):
    - Scholastic Aptitude Test (SAT): score 1010
    - PSAT: score of 970
    - ACT: score of 21
    - Armed Service Vocational Aptitude Battery Exam: the minimum score to gain admittance to a branch of the armed services in the year the student graduates
- Attainment of an established score on an Advanced Placement Program in an academic content area associated with each Keystone Exam on which the student did not achieve at least a proficient score;
- Successful completion of a college-in-a-high school (CHS) course in an academic content area associated with each Keystone Exam in which the student did not achieve at least a proficient score;
- Successful completion of a pre-apprenticeship program; or
- Acceptance in an accredited 4-year nonprofit institution of higher education and evidence of the ability to enroll in college-level coursework.

Advanced Placement (AP) exam: score of 3 on an AP exam related to one of the following courses

Algebra Equivalent	Literature Equivalent	Biology Equivalent
AP Calculus AB	AP English Language and Composition	AP Biology
AP Physics C: Mechanics	AP English Literature and Composition	AP Chemistry
AP Chemistry		AP Physics C: Mechanics

Option 4 - Evidence Based Pathway: Successful completion of locally established grade-based requirements for academic content area associated with each Keystone Exam on which the student did not achieve proficiency and demonstration of three pieces of evidence consistent with the student's goals and career plans, including

- One of the following:
    - ACT WorkKeys Assessment: attainment of the Silver Level
    - SAT Subject Test:score of 630
    - AP Program Exam: score of 3
    - Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college-level coursework
    - Attainment of an industry-recognized credential
    - Successful completion of a concurrent enrollment or postsecondary course

- Two additional pieces of evidence, including:
    - One or more of the options listed above
    - Satisfactory completion of a service learning project
    - Attainment of a score of proficient or advanced on a Keystone Exam
    - A letter guaranteeing full-time employment
    - A certificate of successful completion of an internship or cooperative education program
    - Satisfactory compliance with the NCAA's for college-bound student athletes with a minimum grade point average (GPA) of 2.0.

Option 5 - CTE Pathway: For Career and Technical Education (CTE) Concentrators, successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and attainment of an industry-based competency certification related to the CTE Concentrators program of study or demonstration of a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE Concentrator's program of study. For further explanation of the CTE Pathway, please see PDE's Act 6 guidance.

More information can be found on the Pennsylvania Department of Education's website.

ALMA MATER

May the glory light thy name

Always true we will remain.

Hail to thee, the school we love

And praise thy glorious name.

Memories to us dear

Always linger here;

Loyal to our alma mater,

Red – White – Blue.