

COMMODORE PERRY SENIOR HIGH SCHOOL

Grades 9-12

Student Course Selection 2023-2024

INTRODUCTION

The following pages describe Commodore Perry High School's program of studies and provide related information. This packet should be utilized when you are planning your course selections for grades 9-12. All of the information that you should need in selecting your courses for next year is in this packet. Read it over thoroughly and carefully and share it with your parents/guardians.

You are asked to think about some of the principles that should guide your thinking in your choice of curriculum. Refer to the current Academic and Career Plan that you previously developed with your school counselor. What career path will you take? Does your plan include attending a college or university, a technical or trade school, entering an apprenticeship, joining the military, immediately entering the workforce or a combination of these? In choosing your courses, consider your skills and abilities and the requirements associated with the career path you would like to take. Which courses will benefit you the most? Do not be influenced by the difficulty of a subject or by personal likes or dislikes of your friends. You are planning your future!

Your school counselor, teachers, and administrators are available to assist in whatever way may be appropriate to facilitate a successful and rewarding school experience for you. Personal information about achievement, aptitude, and interests is gathered and available for each student. See your school counselor periodically about your progress to ensure that your courses are appropriate and in keeping with your Academic and Career Plan. Proper course selection is vital!

Mandy Palko
Guidance Counselor

Graduation Requirements

Complete 25 credit hours to include the following required units of credit:

- a. Four (4) credits prescribed English
- b. Four (4) credits prescribed Social Studies
- c. Three (3) credits Mathematics
- d. Three (3) credits Science – must include Biology and Chemistry (The third science credit must include a lab.)
- e. Two (2) credits Unified Block in 9th and 10th grade
***Students who do not pass any component of the unified block courses in Grade 9 & 10 will be required to make-up the course through an independent project as assigned by the instructor.**
- f. Nine (9) credits Fine and/or Practical Arts (may elect from English, Social Studies, Chorus, Band, Art, World Languages, Technical Education, Family & Consumer Sciences, and Physical Education)
- g. Graduation requirements will include a graduation project (see following page for requirements) and completion of the **Algebra I, Biology, and Literature** Keystone Exams.

*Credit for course work not completed at Commodore Perry, for example: college courses, summer school (except for remedial/make-up) independent study and home schooling will not become part of the G.P.A. The course work, however, will appear on the student's transcript and will count toward graduation.

**Students entering Commodore Perry from a home school program must complete four consecutive semesters as a full time student at Commodore Perry to be eligible for a Commodore Perry diploma. Home school students must complete eight semesters as a full time student at Commodore Perry to be included in the class rank.

Students will be required 25 credits for graduation.

****Each Student **MUST** register for a minimum of **6.5** full time subjects. A full time subject is one, which meets one period each day of the week. Students who fail to select the minimum number of credits will automatically be assigned to classes.

**** Changes will not be made after school begins except for the following reason:

- (a) A conflict in the schedule
- (b) A change in career plan that requires the addition of higher level courses.
- (c) Any other change deemed appropriate by school staff.

Grade and Percentage Point Scale Value:

A+ = 100 - 98	4.0 - 3.8	D+ = 70 - 68	1.0 - 0.8
A = 97 - 94	3.7 - 3.4	D = 67 - 64	0.7 - 0.4
A- = 93 - 91	3.3 - 3.1	D- = 63 - 61	0.3 - 0.1
B+ = 90 - 88	3.0 - 2.8	F = 60 & below	
B = 87 - 84	2.7 - 2.4		
B- = 83 - 81	2.3 - 2.1		
C+ = 80 - 78	2.0 - 1.8		
C = 77 - 74	1.7 - 1.4		
C- = 73 - 71	1.3 - 1.1		

Weighted Courses include a 5% addition to the earned grade.

College in the High School courses include a 10% addition to the earned grade.

WEIGHTED COURSES AND NCAA APPROVED COURSES

College in the High School Courses

When calculating Cumulative GPA and Class Rank, College in the High School courses will be weighted by adding ten (.10) percentage points to the earned grade.

College in the High School Courses include:

Honors English 11	Pre-Calculus
Honors English 12	Calculus
Advanced Chemistry III	

Weighted Courses

When calculating Cumulative GPA and Class Rank, weighted courses will be weighted by adding five (.05) percentage points to the earned grade.

Weighted Courses include:

Advanced Chemistry	Psychology
Advanced Chemistry II	Sociology
Physics	The Law
Advanced Physics	Senior High Honors Band
America in Transition	Senior High Honors Concert Choir

NCAA Approved Courses

College Prep English 9	Psychology	Geometry
College Prep English 10	Sociology	Integrated Mathematics III
Pre-Honors English 10	Academic Biology	Pre-Calculus
College Prep English 11	College Prep Biology	Calculus
Honors English 11	Chemistry	French II
College Prep English 12	Advanced Chemistry	French III
Honors English 12	Advanced Chemistry II	French IV
Creative Writing	Advanced Chemistry III	Spanish I
U.S. Cultures 9	Botany & Zoology	Spanish II
U.S. Cultures 10	Physics	Spanish III
World Cultures 11	Field Biology and Ecology	Spanish IV
Government/Economics	Algebra I	

GRADUATION PROJECT REQUIREMENTS

8th Grade

Graduation Project Plan

- Completed during Graduation Project meetings with adviser

9th Grade

Career Research Project

- Completed in Futures 9 course

9th Grade – 12th Grade

Job Shadow Experiences

- 3 different approved Job Shadows
- Each Job Shadow must be at least 3 hours in length.
- Job Shadow Experiences Reflection Paper (1 paper reflecting on all three Job Shadows)

12th Grade

Resume

- Completed in English 12 course

Exit Interview

- Completed in spring of students' senior year
- Seniors should dress professionally.
- Seniors should be prepared to answer questions about the Graduation Project and their individual education/career plans.

-See Graduation Project Student Manual for more details.-

2023 – 2024 NCAA ELIGIBILITY

The NCAA Eligibility Center will certify the academic and amateur credentials of all college-bound student-athletes who wish to compete in NCAA Division I or II athletics. The student-athlete is responsible for making sure they have taken the required approved core courses, the correct number of credits, has the minimum GPA and test scores to be NCAA eligible.

www.eligibilitycenter.org

CORE COURSES

- Check the approved courses from the program of studies to make certain that the courses you have taken are included on the list.
- 16 core courses are required for NCAA Division I eligibility. A GPA of 2.3 or above is required.
- **10 courses are required to be met before the beginning of the senior year for Division I.**
- 16 core courses are required for NCAA Division II eligibility. A GPA of 2.2 or above is required.

DIVISION I (16 Core Courses)

- 4 years of English
- 3 years of Mathematics **(Algebra I or higher)**
- 2 years of Natural/Physical Science **(1 year of lab preferred)**
- 1 year of additional English, math or natural/physical science
- 2 years of Social Science
- 4 years of Electives (languages, areas listed above, or comparative courses that are approved)

DIVISION II (16 Core Courses)

- 3 years of English
- 2 years of Mathematics **(Algebra I or higher)**
- 2 years of Natural/Physical Science **(1 year of lab preferred)**
- 3 years of additional English, math or natural/physical science
- 2 years of Social Science
- 4 years of Electives (languages, areas listed above, or comparative courses that are approved)

GRADE-POINT AVERAGE

Refer to the NCAA Eligibility Center Quick Reference Guide to see all information about Grade Point Average, Test Scores, and Core Courses.

TEST SCORES

Please refer to the NCAA Eligibility Center Quick Reference Guide for test scores and GPA requirements for both Division I and Division II schools. Students are responsible for sending their scores directly to the NCAA from the respective testing agency.

THE ACCELERATED/HONORS SEQUENCE OF STUDIES

The accelerated and honors curriculums prepare students for admission to four-year colleges, and a variety of two-year degree programs. Colleges or universities generally require applicants for admission to present four (4) credits in English, four (4) credits in Social Studies, three (3) credits in Mathematics, three (3) credits in Science, two (2) or three (3) credits in a World Language and one (1) credit in Health and Physical Education. The remaining credits should be elected in the fields of science, mathematics, world languages, business, or arts.

<u>Grade 9</u>	<u>Credits</u>	<u>Grade 11</u>	<u>Credit</u>
College Prep English	1.0	Honors English 11	1.0
U. S. Cultures 9	1.0	World Cultures 11	1.0
College Prep Biology	1.0	Physics	1.4
Algebra I or Geometry	1.0	Geometry, Int. Math III, pre-Calc.	1.0
World Language I	1.0	Adv. Chemistry II (Elective)	1.0
Unified Block	1.0	World Language III	1.0
(Health 9, Physical Education 9, Computers 9, Futures 9)		Electives	1.5
Electives	.5		
	—		—
	6.5		7.9

<u>Grade 10</u>	<u>Credits</u>	<u>Grade 12</u>	<u>Credits</u>
Pre-Honors English 10	1.0	Honors English 12	1.0
U. S. Cultures 10	1.0	American Government/Economics	1.0
Adv. Chemistry	1.4	Adv. Physics, Field Biology, or	1.0
Geometry or Int. Math III	1.0	Adv. Chemistry II, Chemistry III	1.0
World Language II	1.0	Pre-Calculus or Calculus	1.0
Unified Block	1.0	World Language IV	1.0
(Health 10, Physical Education 10, Personal Finance, FACS Essentials)		Honors Social Studies	1.0
Electives	.5	Electives	1.5
	—		—
	6.9		7.5

THE COLLEGE PREP SEQUENCE OF STUDIES

The college prep curriculum is for students who will be attending higher education immediately after graduation. Interests and aptitudes should indicate the type of courses the student selects. Electives may be selected from other curriculum with approval from the guidance counselor. The sequence below represents the minimum courses recommended.

<u>Grade 9</u>	<u>Credits</u>	<u>Grade 11</u>	<u>Credits</u>
College Prep English 9	1.0	College Prep English	1.0
U. S. Cultures 9	1.0	W. Cultures 11	1.0
Academic or College Prep Biology	1.0	Botany & Zoology or Physics	1.0
Algebra I or Geometry	1.0	Adv. Chemistry II (Elective)	1.0
Unified Block	1.0	Mathematics 11, Topics of Math	
(Health 9, Physical Education 9, Computer 9, Futures 9)		Geometry, Int. Math III,	
Electives	1.5	Pre-Calculus	1.0
	—	Electives	1.5
	6.5		—
			6.5

<u>Grade 10</u>	<u>Credits</u>	<u>Grade 12</u>	<u>Credits</u>
College Prep English 10	1.0	College Prep English 12	1.0
U. S. Cultures 10	1.0	American Government/ Economics	1.0
Chemistry or Adv.Chemistry	1.0	Field Biology, Adv. Chemistry II,	1.0
Algebra I,	1.0	Chemistry III, Physics, Adv. Physics	
Geometry, Int. Math III		Geometry, Int. Math III,	1.0
Unified Block	1.0	Pre-Calculus, Calculus	
(Health 10, Phys. Ed 10, Personal Finance, FACS Essentials)		Electives	2.5
Electives	1.5		
	—		—
	6.5		6.5

RECOMMENDED TWO-YEAR CAREER CENTER PROGRAM

<u>Grade 11</u>	<u>Credits</u>	<u>Grade 12</u>	<u>Credits</u>
English	1.0	English	1.0
Mathematics	1.0	Am. Government/Economics	1.0
Botany & Zoology	1.0	Electives	2.0
World Cultures 11	1.0	Career Center	3.0
Career Center	3.0		
	—		—
	7.0		7.0

RECOMMENDED THREE-YEAR CAREER CENTER PROGRAM

<u>Grade 10</u>	<u>Credits</u>	<u>Grade 12</u>	<u>Credits</u>
English	1.0	English	1.0
U. S. Cultures 10	1.0	Am. Government /Economics	1.0
Chemistry	1.0	Electives	2.0
Mathematics	1.0	Career Center	3.0
Unified Block (Health 10, Physical Education 10, Computers 10)	1.0		
Career Center	3.0		
	—		—
	8.0		7.0

<u>Grade 11</u>	<u>Credits</u>
English	1.0
Mathematics	1.0
Botany & Zoology	1.0
World Cultures 11	1.0
Career Center	3.0
	—
	7.0

PROGRAMS OFFERED AT CAREER CENTER

Auto Mechanics Technology
Carpentry
Collision Repair and Refinishing
Computer Information Technology
Computer Programming
Cosmetology
Culinary Arts
Diesel Technology

Early Childhood Education
Electrical Occupations
Health Care Careers
Innovation & Entrepreneurial Development
Logistics-Material & Supply Chain
Management
Precision Production Metals
Welding

Automotive Technology

Automotive Technology allows students to perform a wide range of diagnostics, repairs, and preventative maintenance on automobiles and light trucks. Students will gain the technical knowledge and skills to obtain an entry-level position and/or pursue postsecondary education. The program's curriculum enables students to develop basic knowledge through classroom theory lessons and acquire a core set of technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes the diagnosis and testing of malfunctions in and repair of engines, fuel, electrical, cooling, steering, suspension and brake systems. Students also prepare to obtain certifications for PA Safety Inspection; Emissions Inspection; and Refrigerant, Recovery, and Recycling.

Carpentry

Carpentry prepares students to obtain entry-level positions in the construction or wood industries, apprenticeships in trade unions, and/or to pursue enrolling in postsecondary institutions for degrees in construction, sales, or management. The program's curriculum enables students to develop a knowledge base through classroom theory lessons and acquire technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual/group projects, and activities. The program's instruction includes units on safety, hand and power tools, blueprint reading, framing, interior and exterior finish, construction materials, measuring, estimating, and building codes. Students also study technical mathematics, residential steel-framing, and cabinetmaking.

Collision Repair and Refinishing

Collision Repair and Refinishing prepares students to obtain an entry-level position in the auto body repair/refinishing field and/or to pursue postsecondary education. The curriculum enables students to develop technical knowledge and skills through real world, hands-on shop experiences. The program will cover the entire repair and refinishing process from start to finish. The instruction will focus on key areas including workplace skills, safety techniques, vehicle design and construction, structural and non-structural repairs, industry related welding and fabrication, estimating, collision repair procedures, automotive painting, refinishing and detailing. Students will learn all these skills in a state-of-the-art shop with industry standard equipment. Students will be expected to read and understand complex instructions as well as using technology as an industry resource

Computer Information Technology

Computer Information Technology prepares students to obtain entry-level employment and provides a foundation for post-secondary success. The curriculum enables students to develop a core set of technical skills by applying learned knowledge in hands-on lab experiences. The program will provide students experience in the administration and support of computer networks. These include user and group management, server security, network sharing, operating systems, user and workstation security, help desk support, computer repair, and remote access. Students will focus their study on network technologies, network devices, network management, tools, and security. Computer Information Technology students will be expected to read and interpret complex instructions, technical literature, and solve a variety of technical problems.

Computer Programming

The Computer Programming course focuses on the general writing and implementation of generic and customized programs that drive operating systems. This prepares students to apply the methods and procedures of software design and programming to software installation and maintenance. Computer Programming includes instruction in software design, low- and high-level languages and program writing, program customization and linking, prototype testing, troubleshooting, and related aspects of operating systems and networks. Students will study data types and expressions, designing functions, and graphic and image processing. As well as learn software development process.

Cosmetology

Cosmetology prepares students to become licensed cosmetologists in specialized and full-service salons. Students develop a knowledge base through classroom theory lessons while perfecting their clinical skills in the program's studentoperated salon. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual and group projects, along with other activities. The programs instruction includes units on shampooing, conditioning, cutting and styling hair, chemical texture services, and hair coloring techniques. As well as hands on training offering facials, manicures, and pedicures. Personal safety, professionalism, and the sanitation and disinfection of equipment and facilities are emphasized. Students also study business management with a focus on managing a salon.

Culinary Arts

Culinary Arts prepares students to obtain entry-level employment within institutional, commercial, and independently owned food establishments. This program also provides a foundation for students who wish to pursue acceptance into a postsecondary culinary program. The program's curriculum enables students to develop knowledge through classroom theory lessons and acquire culinary skills by applying learned knowledge in the program's fully equipped commercial kitchen and dining room. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual/group projects and activities. The program's instruction includes units on use and care of utensils, food preparation equipment, safety, sanitation procedures, nutrition basics, and recipe preparation. Students develop and practice skills through hands-on activities and experiences related to planning, selecting, preparing, and serving quality food and food products.

Diesel Technology

Diesel Technology prepares students to obtain entry-level employment and/or to pursue postsecondary education. The curriculum enables the students to develop basic knowledge through classroom theory lessons and acquire a core set of technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes units on safety, diesel engine mechanics, suspension and steering, air brake systems, electrical and electronic systems, and preventive maintenance. Students develop skills for troubleshooting problems, disassembling, rebuilding and reassembling engines. Students apply principles to service electrical and electronic systems. There is also an emphasis on inspecting, repairing/replacing various systems' components, as well as performing preventive maintenance on medium/heavy vehicle systems.

Early Childhood Education

Early Childhood Education allows students to obtain a variety of entry-level childcare occupations in day care centers and preschools. It also provides a foundation for students who want to attend a postsecondary early childhood education program. The program's curriculum enables students to develop a knowledge base through classroom theory lessons. The students acquire care giving, teaching, and managing skills by applying learned knowledge in the program's fully equipped preschool. Classroom lessons include lectures, reading and writing assignments, demonstrations, as well as individual and group projects/activities. Instruction includes units on growth and development, nutrition, program play activities, child abuse and neglect, learning experiences for children, regulations, laws, and policies relating to childcare services.

Electrical Occupations

Electrical Occupations prepares students to apply technical knowledge and skills necessary to install, operate, maintain and repair many electrical systems. These include: electrically energized residential, commercial and industrial systems, AC motors, as well as controls and electrical distribution panels. Instruction emphasizes practical application of circuit diagrams and the use of electrical codes. In addition, the curriculum also includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Other critical components of the program are reading and interpretation of commercial/residential construction wiring codes and specifications, installation and maintenance of wiring, conduit hand and machine bending techniques along with service and distribution networks within large construction complexes.

Health Care Careers

Health Care Careers prepares students to obtain entry-level positions in the health field and/or to pursue a postsecondary education. The program provides students with health career exploration activities, instruction of basic skills, and clinical experiences. These activities are fundamental to all areas of health care. Students develop health care knowledge through classroom theory lessons while practicing health care skills, in a laboratory setting, prior to their clinical assignments. Classroom lessons include lectures, reading and writing assignments, demonstrations, and individual/group projects. The program's core instruction includes units on medical terminology, anatomy and physiology, basic clinical skills, aseptic techniques, OSHA regulations, and infection control.

Innovation and Entrepreneurial Development

Innovation and Entrepreneurial Development enables students to learn first-hand about the risks and rewards of starting and operating a small business. The program's curriculum provides students with knowledge and skills of fundamental business concepts and entrepreneurship. PowerPoint presentations, reading and writing assignments as well as hands-on activities provide students with an overview of the steps and considerations involved in turning an idea into a business, identifying a passion or hobby that can provide a product or service, researching the market, and weighing the risks of starting a small business. The program's core instruction includes units on economic principles, business plans, business related math skills, technology skills and sales along with marketing techniques. Students engage in various business activities related to each planned unit.

Logistics – Material and Supply Chain Management

Logistics and Materials Management is designed to prepare individuals for entry level employment in this industry. Students will learn and perform logistical functions associated with receiving, storing, and shipping goods. Other key components include learning various systems and record keeping for supply chain management. Students with good attention to detail who enjoy a fast-paced, hands-on, physical workplace would be successful in this program. The curriculum provides instruction in the use of powered material, handling equipment, and OSHA safety and ergonomics. Supply chain management, automated inventory control systems, purchasing, receiving, order selections, packaging, and shipping methods are presented. Academic subjects include business mathematics and communication. The course includes job retention skills and customer relations.

Precision Production Metals

Precision Production Metals prepares students to obtain entry-level employment in the machine tool industry, apprenticeships sponsored by unions or manufacturers, and/or to pursue enrollment in postsecondary programs. The program's curriculum enables students to develop a knowledge base through classroom theory lessons and acquire technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program incorporates national skills standards developed by the National Institute of Metalworking Skills (NIMS). Instruction includes units on bench work and the operation of lathes, power saws, grinders, milling machines, drills and computer operated equipment. Students also study the use of precision measuring instruments such as layout tools, micrometers and gauges as well as blueprint reading. Emphasis is on machining parts for the NIMS performance exams.

Service Occupations

Service Occupations is an innovative program focusing on training students in a diverse array of skill sets in service-related employment areas. This program will provide students with the opportunity to explore careers in the personal services cluster and gain the employability skills needed for job placement. The Service Occupations curriculum encompasses the areas of workplace safety, grounds maintenance, cleaning practices, housekeeping, custodial and retail stock. Students learn hands-on skills while also focusing on workplace readiness, interpersonal skills, the ability to work independently and collaboratively and the development of good work habits. The students train in all areas of the curriculum with the intent of obtaining competitive entry-level employment. Students learn in an environment that fosters work ethic, competitive time on task and personal accountability

Welding

Welding prepares students to obtain entry-level employment as a welder or any welding-related position in both large and small companies. It also allows the student to pursue enrollment in a postsecondary program, such as welding engineering or metallurgy. The program's curriculum enables students to gain a knowledge base through classroom theory lessons. Program activities allow students to put their classroom learning into hands-on practice of technical skills. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes units on safety practices, gas cutting and welding, arc welding in various positions, and types and uses of electrodes and welding rods. Students also learn to fabricate and join metal parts according to diagrams, blueprints, and specifications.

For further information on Mercer County Career Center programs and services, please visit the website www.mercerccc.org

ENGLISH

Grade

- 9** **Academic English 9** **1 credit**
In this course, emphasis is placed on reading literature from various genres, time periods, and authors. Literature instruction will be accompanied by complementary writing instruction and assignments. Vocabulary/grammar instruction is also presented throughout the year.
- 9** **College Prep English 9** **1 credit**
(NCAA Approved Course)
Students in this course will focus on reading, composition, grammar, and literature from a variety of genres. Emphasis on vocabulary development, literature analysis, and formal writing will be included.
- 10** **Academic English 10** **1 credit**
This course focuses on the study of American literature, grammar, and written and oral communication. Research skills will be incorporated to aid students in writing speeches and compositions. Students will be required to develop and present informative and persuasive speeches. Vocabulary/grammar instruction is also presented throughout the year.
- 10** **College Prep English 10** **1 credit**
(NCAA Approved Course)
This course merges composition, literature, and speech. Students will study American literature, practice writing and research skills, work on verbal and non-verbal speech techniques, and receive advanced vocabulary/ grammar instruction. Students will be required to develop and present informative and persuasive speeches and group projects.
- 10** **Pre-Honors English 10** **1 credit**
(NCAA Approved Course)
This Pre-Honors English course is an introduction for students who are interested in pursuing Honors English 11 & 12. Through a comprehensive survey of American literature, students will develop advanced skills in analyzing literature, developing composition, conducting research, and presenting formal speeches. Students will be expected to participate in formal discussions and group presentations as well as study advanced vocabulary and grammar. **Summer reading/work will be required. Placement in the course is based on teacher recommendation, and a "B" average in College Prep English. A "C+" average must be maintained to remain in the Honors courses.**
- 11** **Academic English 11** **1 credit**
This course focuses on reading, writing, and critical thinking skills. Reading will develop through the study of British literature. Emphasis on writing will be on constructing well-organized compositions. Vocabulary/grammar instruction is also presented throughout the year.
- 11** **College Prep English 11** **1 credit**
(NCAA Approved Course)
Junior English is a comprehensive course that develops composition, literature, and grammar skills. The literature emphasis will be a survey of British literature. This course stresses discussion, criticism, and formal analysis while employing advanced writing skills. Advanced vocabulary development and grammar instruction are also incorporated throughout the year.

- 11** **Honors English 11** **1 credit**
(Saint Francis University College in the Classroom)
(weighted 10 percentage points)
(*NCAA Approved Course*)
This weighted Honors course is for students who have demonstrated outstanding ability in previous English classes. This in-depth study of British literature requires advanced reading, writing, and communication skills. Research skills will also be incorporated to prepare students for writing a formal literary analysis. Advanced vocabulary/grammar instruction will be incorporated throughout the year. Participation in class discussions and cooperative learning projects, as well as summer readings/work will be required. **Placement in the course is based on teacher recommendation, and a “B” average in College Prep English. A “C+” average must be maintained to remain in the Honors courses.**
- Honors English 11 is offered as a college in high school course through Saint Francis University. Students must register with Saint Francis and pay the tuition fee. Upon successful completion, students will earn both high school and college credit.**
- 12** **Academic English 12** **1 credit**
This course emphasizes career oriented oral and written communication skills. A study of various selections of world literature and vocabulary/grammar instruction will be presented throughout the year. This course requires completion of a formal research paper and writing portfolio. Students will also develop a resume and present informative and persuasive speeches.
- 12** **College Prep English 12** **1 credit**
(*NCAA Approved Course*)
Senior English will focus on writing and research skills necessary for college and career success. This course requires completion of a formal research paper and a writing portfolio. Students will expand their literature base through a survey of world literature. Students will also create a resume, present formal speeches and study advanced vocabulary/grammar.
- 12** **Honors English 12** **1 credit**
(Saint Francis University College in the Classroom)
(weighted 10 percentage points)
(*NCAA Approved Course*)
Senior Honors English is a weighted course for students who have demonstrated outstanding ability in previous English classes. Students will generate multiple expository and argumentative essays, present formal speeches, and analyze multi-genre world literature from a variety of literary levels. Completion of an extensive research project as well as summer work will be required.
Placement in this course is based on successful completion of Honors English 11 or for those students who were not in Honors English 11, teacher recommendation and a “B” average in College Prep English. A “C+” average must be maintained to remain in the course.
- Honors English 12 is offered as a college in high school course through Saint Francis University. Students must register with Saint Francis and pay the tuition fee. Upon successful completion, students will earn both high school and college credit.**
- 9-12** **Media Exploration** **.5 credit**
This elective will explore several forms of media including newspaper, radio, television, social media, and other internet based outlets. Students will examine different media types, how each is used, the content that each presents or possesses, and determine intended meaning or messages in their respective formats. Content will include, but is not limited to: news stories, features, video and audio content, advertising, and social media postings.

- 9-12** **Speech/Debate** **.5 credit**
 The debate portion of this elective concentrates on techniques needed for creating and presenting debates. Debates will be both formal and informal. The speech portion of the class will focus on delivering effective speeches in several different formats and styles. Both debate and speech will require the student to utilize research techniques, note taking, creating a message for a specific audience, and developing and practicing good speaking skills.
- 9-12** **Creative Writing** **.5 credit**
(NCAA Approved Course)
 This elective will feature instruction in creative writing in a writing workshop. Students will develop their own "writer's voice" through the creation of original short stories and poems. Students will complete a personal writing portfolio. **The prerequisite for this course is a “C” or better in English and /or teacher approval.**
- 9-12** **Academic Decathlon** **.25 credit**
 This course is an elective, extracurricular activity. Each year students study new curricula in language arts, math, music, art, economics, social studies, and science. The students will compete against other schools at the Academic Sports League tournaments. During the various competitions, students will complete multiple choice tests, write essays, present impromptu and prepared speeches, and participate in interviews. The students attending competitions will be working toward earning scholarship monies toward furthering their education at participating colleges.
 To earn credit for this elective, students must complete one of the following:
 -attend 1/4 of the practice sessions
 -attend one ASL scrimmage
 -take the Academic Decathlon Class
 In addition, students must:
 -take all required placement tests for the meets they plan to attend
 -attend mandatory practices

SOCIAL STUDIES

- 9** **U. S. Cultures 9** **1 credit**
(NCAA Approved Course)
 U. S. Cultures I is a mandatory course for all freshman. In general, the course provides instruction in U. S. history and the development of our culture and institutions from Columbian Exploration to the Civil War. Specific topics include, but are not limited to, British colonies in North America, the American Revolution, creation of our government, Westward expansion, economic growth, 19th century reform, and the Civil War and Reconstruction.
- 10** **U. S. Cultures 10** **1 credit**
(NCAA Approved Course)
 U. S. Cultures II is a mandatory course for all sophomores. In general, the course provides instruction in U. S. history and the development of our culture and institutions from the end of the Civil War to the present. Instruction is provided in “The Birth of Modern America”, including settling the west, industrialization, urbanization, and immigration between the Civil War and 1900. It then covers our development as a world power, and progressivism in politics and our government. It focuses on our involvement in World War I, the Great Depression, the challenges of World War II, and the Cold War. The course also covers “a time of upheaval”, including the civil rights movement, the politics of protest, the Vietnam War, and Watergate. Instruction is also provided on the ‘70’s, 80’s, and 90’s, conservatism, and our war against terrorism.

- 11-12** **America in Transition** **.5 credit**
Not Offered 2023 - 2024
(weighted 5 percentage points)
This advanced honors social studies course will focus on America in a changing world. It will cover current and controversial issues, both foreign and domestic, and challenges and decisions that face our nation and people. It will include an in-depth investigation and discussion about issues such as the election; foreign and domestic policy in an era of terrorism; guns and gun control; how medical and scientific advances (cloning, stem cell research, biotechnology) are challenging our social ethics; euthanasia (mercy killing); abortion; and media/entertainment/internet influences on our society.
- 11-12** **U.S. Wars Through Cinema** **.5 credit**
Not Offered 2023 - 2024
This advanced honors social studies course focuses on wars and conflicts that the United States has fought since 1900. Specifically, the class will study these events through the use of cinema made about them. It will address not only the conflicts themselves, but also their widespread and long-lasting impacts on the United States.
- 11-12** **Social Studies – The Law** **.5 credit**
(weighted 5 percentage points)
This weighted course will focus on the law in America. It will provide an introduction to law and our legal system; criminal law and juvenile justice; consumer and housing law; family law; individual rights and liberties; and relevant current events. The curriculum will include case studies, role-plays, small group exercises, and visual analysis activities. Controversial cases argued and settled throughout U.S. history will be a focus.
- 11-12** **Social Studies – American West** **.5 credit**
This course traces the settlement of the trans-Mississippi west of the United States, starting with the prehistoric migrations of American aborigines. Among the topics are: expansion, mining operations, the cattle kingdom, agriculture, the use and abuse of natural resources, violence, and ethnic and racial diversity.

SCIENCE

Grade

- 9** **Academic Biology** **1 credit**
(*NCAA Approved Course*)
This course provides the basic foundations of biology with emphasis on cells and cell processes as well as the continuity and unity of life. Topics include cell structure, function and reproduction, biochemistry, genetics, and ecology. Students will be involved in individual as well as group research and laboratory activities.
- 9** **College Prep Biology** **1 credit**
(*NCAA Approved Course*)
This course presents a study of basic biological principles, chemical basis of life, bioenergetics, homeostasis and transport, cell growth, reproduction, genetics, and ecology. Students will engage in research and laboratory activities on current and traditional biological topics. The course is designed to prepare students for college biological sciences.
- 10** **Chemistry** **1 credit**
(*NCAA Approved Course*)
This course will provide a basic understanding of the properties of matter and the changes it undergoes. Topic covered include: matter and change, atomic structure, chemical names and formulas, chemical reactions, states of matter, chemical bonding and gas behavior.
- 10** **Advanced Chemistry** **1.4 credit**
(weighted 5 percentage points)
(*NCAA Approved Course*)
This course is for college bound students with sufficient math background. It will provide a complete understanding of the properties of matter and the changes it undergoes. Topic covered include: matter and change, atomic structure, periodicity, chemical quantities, chemical names and formulas, chemical reactions, stoichiometry, states of matter, thermo chemistry, chemical bonding, and gas behavior.
- 11** **Botany & Zoology** **1 credit**
(*NCAA Approved Course*)
Botany is the scientific study of plants and their relationship to the environment. In this section, students investigate the growth, reproduction, anatomy, morphology, physiology, biochemistry, taxonomy and ecology of plants.
Zoology is the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Some of the topics discussed include the classification of animals, invertebrates, including sponges, flatworms, mollusks, insects, arthropods, and echinoderms, and vertebrates, including fishes, amphibians, reptiles, birds, and mammals.
- 11** **Physics** **1.4 credit**
(weighted 5 percentage points)
(*NCAA Approved Course*)
This course is an algebra-based course that will focus on 1) Newtonian mechanics including motion, equilibrium, work, energy, power, impulse, and momentum for linear and circular motion; and circular motion; and 2) Electricity and magnetism including charge, field, potential, electrostatics, capacitors, electric circuits, magneto statics and electromagnetism. Physics includes two periods of investigation laboratory each week. **Prerequisite: successful completion of Integrated Math III or teacher recommendation.**

- 11-12** **Advanced Chemistry II** **1 credit**
(weighted 5 percentage points)
(*NCAA Approved Course*)
This course is an extension of Advanced Chemistry. This course is an excellent preparation opportunity for college bound students who plan to follow math, science, engineering, or health programs. Topics include: solutions, equilibrium, acids and bases, redox reactions, nuclear chemistry, biochemistry, and organic chemistry. **Prerequisite: successful completion of advanced chemistry**
- 12** **Advanced Physics** **.6 credit**
(weighted 5 percentage points)
(*NCAA Approved Course*)
This course is a calculus-based course that will focus on 1) Newtonian mechanics including motion, equilibrium, work, energy, power, impulse, and momentum for linear and circular motion; and circular motion; and 2) Electricity and magnetism including charge, field, potential, electrostatics, capacitors, electric circuits, magneto statics and electromagnetism. Additionally, advanced calculus techniques will be instructed when needed for the course. This course will prepare a candidate for technical studies in science or engineering in follow-on college courses. **Prerequisite: successful completion of Physics or teacher recommendation.**
- 12** **Advanced Chemistry III** **1 credit**
(University of Pittsburgh College in the Classroom)
(weighted 10 percentage points)
(*NCAA Approved Course*)
This course is part of the **College in High School** program through the **University of Pittsburgh**. Students will complete the same course work as the freshmen at Pitt. Topics include atomic theory, chemical reactions, stoichiometry, the mole, gases, thermo chemistry, electronic structure, periodicity, chemical bonding, acids and bases, equilibrium and thermodynamics. **The course can be taken as a high school credit or as four college credits (for a fee Payable to the University) Prerequisite: successful completion of Advanced Chemistry II with a B or better or instructor approval.**

12 **Field Biology and Ecology** **1 credit**

(NCAA Approved Course)

This course is an advanced elective course in which students will be investigating and reporting on current field biology and ecology topics. Lab reports and projects are required. Information and laboratories covered in the course will be within the following branches of biology: 1) botany, 2) ornithology, 3) entomology, 4) mammology, 5) aquatic biology, 6) ecology 7) forestry.

Prerequisite: successful completion “C” or better of academic biology, college prep biology, or instructor approval.

***State Bill 727** - Language from S.B. 727, amending P.L. 30, No. 14, regarding Student Rights. Section 2, the act is amended by adding a section to read: Section 1522, Pupil’s Right of Refusal; Animal Dissection.

- (a) Public or non-public school pupils from kindergarten through grade twelve may refuse to dissect, vivisect, incubate, capture, or otherwise harm or destroy animals, or any parts thereof, as a part of their course of instruction.
- (b) Schools shall notify incoming pupils and their parents or guardians to assert the rights of their children to refuse to participate in those projects. Notice shall be given not less than two (2) weeks prior to the scheduled course exercise, which involves the use of animals.
- (c) A pupil who chooses to refrain from participation in or observation of a portion of a course of instruction in accordance with this section shall be offered an alternative education project for the purpose of providing the pupil avenue for obtaining the factual knowledge, information or experience required by the course of study. If tests require harmful or destructive use of animals, pupils shall be offered alternative tests. A pupil shall not be discriminated against based upon his or her decision to exercise the right afforded the pupil by this section and lowering a grade because of pupil has chosen an alternative education project or test is strictly prohibited.

MATHEMATICS

Grade

9-12 **Algebra I** **1 credit**

(NCAA Approved Course)

Algebra is the study of mathematical symbols and the rules for manipulating these symbols in formulas. Throughout this course, students will be challenged to develop 21st-century skills such as critical thinking and creative problem-solving. Teaching fundamental algebraic methods and properties is a focal point of this course. Graphing equations and inequalities, as well as teaching properties and relationships of linear equations, is the most heavily covered material in this course.

Students will participate in the Algebra I Keystone Exam at the end of this course.

9-12 **Geometry** **1 credit**

(NCAA Approved Course)

Geometry is the study of shapes and lines in a plane and in space. It builds on the mathematical topics from Algebra I with an emphasis on critical thinking and problem-solving, and skill development. Topics will include the study of lines, triangles, polygons, circles and space figures. Students will be required to write, explain, justify, prove and analyze throughout the course in order to hone critical thinking skills.

- 10-12** **Integrated Mathematics III** **1 credit**
(NCAA Approved Course)
This is the final course in the Integrated Math series. Students develop their skills in algebra, geometry, statistics, probability, and discrete math. The material builds on the skills presented in the first two courses. The course is designed for students who plan to go to college or technical schools. It also prepares students for the College Board Tests. **Student must have a “C” average in Integrated Math II to take this course. They will need a “C” average in this course to take Pre-Calculus.**
- 11** **Mathematics 11** **1 credit**
This course includes topics in algebra, geometry, and statistics. This course begins with students taking the district equivalent Algebra I Keystone Exam to fulfill the graduation requirement. This course is designed to help students be prepared for many standardized competency tests. **Students who have passed the Algebra I Keystone Exam cannot take this course without administrative approval.**
- 11-12** **Probability and Statistics** **1 credit**
This course is designed to provide an understanding of descriptive and inferential statistics that introduces students to the study of measures of central tendency, measures of variation, graphical representation of data, least squares regression, correlation probability, probability distributions, sampling techniques, parameter estimation, and hypothesis testing. Emphasis is on applications of statistical concepts. The use of technology is integrated throughout the course.
- 11-12** **Topics of Math** **1 credit**
This course begins with career exploration and follows with units pertaining to numerous math topics that have the potential to be on college placement exams or in a major-required math course. Interspersed among these units are lessons that would be seen in a traditional Consumer Math course. This course is available as an elective and/or a graduation requirement fulfillment course for students that have passed any of the following courses: Math 11, Int. Math II, or Int. Math III. **Students must receive administrative approval.**
- 11-12** **Pre-Calculus** **1 credit**
(Thiel College in the Classroom)
(weighted 10 percentage points)
(NCAA Approved Course)
This course provides the mathematical background needed for calculus. Pre-calculus incorporates the graphing calculator as a tool to help students focus on the concepts that lie at the heart of calculus. It presents math in a manner that stresses motivation through meaningful application, careful explanation and numerous examples. We will integrate the graphing calculator (TI-83, 83 Plus or 84-Plus) with a variety of real-world data. Students may have the opportunity to earn College in High School credits through Thiel College.
Prerequisite a “C” average in Int. Math III
- 12** **Calculus** **1 credit**
(Thiel College in the Classroom)
(weighted 10 percentage points)
(NCAA Approved Course)
Throughout this course, students will study the fundamental process of calculus including integration and differentiation and discover their application to a wide range of practical problems. Students may have the opportunity to earn College In High School credits through Thiel College.
Prerequisite “C” average in Pre-Calculus.

BUSINESS

- 9** **Computers 9 (9 Week Block)** **.25 credit**
This course will introduce students to spreadsheet applications and database software. Students will create professional worksheets and charts using the basic functions to the most advanced features and formulas of Excel. Students will use Access to build database to organize information. Students will create reports, tables, forms, and queries that are being used in college, technical schools, and business today.
- 10** **Personal Finance (9 Week Block)** **.25 credit**
Personal finance is a 9 week block class that will introduce student's to money management and decision making. Real world topics covered will include paychecks, checking and savings accounts, budgeting, credit cards, buying a vehicle, and renting an apartment. Students will design personal budgets utilizing checking and savings account management. Students will also complete a W-4 form and determine gross pay, net pay, and determine deductions taken out of paychecks .
- 10-12** **Accounting I** **.5 credit**
Students will learn basic accounting concepts, analyze transactions, and post to a general ledger account. They will also learn about cash control systems and worksheets for a service business. The course will be finalized with sole-proprietorships, partnerships and the writing and balancing of a checkbook.
- 10-12** **Accounting II** **.5 credit**
Students will learn how payroll records and taxes are recorded. In addition, they will adjust and close entries for a partnership. They will also complete an accounting simulation and finish the course with corporate accounting.
- 10-12** **Business Law** **.5credit**
Students will explore the law in the areas of interest for a young adult. They will review their rights as consumers, family members, and students. Students will also review the basis of our law system. The course will include course will include group discussions, debate rallies, outside speakers in the field of law and video courtroom analysis.
- 10-12** **Business Marketing** **.5 credit**
Student will explore the fundamentals of business, management, and entrepreneurial concepts that affect business decision-making. They will apply marketing, management, and entrepreneurial principles; to make rational economic and social decisions. Students will investigate and complete steps in starting a sole proprietorship based on fundamentals learned in the class.
- 10-12** **Integrated Technology** **.5 credit**
Students will develop typing skills in both accuracy and speed. Advanced features of memos, reports, and letters will be developed. Students will work independently on several office-like simulations. Students will develop enough skills for an entry-level office job.
- 9-12** **GameMaker Programming** **.5 credit**
Learn the concepts taught in a college-level "Programming 101" course, but all of the projects are games! You will receive an introduction to basic programming by building two dimensional (2D) games. GameMaker™, the 2D game engine you'll be using, is based on a scripting language that builds techniques that can be transferred to any other programming language such as Python, Java and C++. You will finish complete games that can be played with friends and added to your digital portfolio.

ART

All of the electives in this art program are aimed to improve students' current level of artistic ability and prepare them for college level courses after high school. Students will increase their awareness of a variety of artists and styles while working with various types of art media. They will also learn the importance of art history and art appreciation. Both art electives (excluding Digital Photography courses) will require a sketchbook with weekly assignments as constant practice. These courses will lead students to develop their own sense of style through creativity and self-expression. The program provides direction and guidance for students to take risks and communicate through visual work.

- 9-12** **2-D Art** **.5 credit**
This course focuses solely on the aspects of 2-Dimensional Art such as drawing, painting, and design. The students will become familiar with the Elements of Art and the Principles of Design such as line, form, color, pattern, texture, balance, and so on. The students will develop their skills with design, and then move further into explorations with drawing and painting. We will be working with different types of drawing media, as well as acrylics, oils, and watercolors. At the end of the course, we will experiment with a 2-D collage of a number of elements.
- 9-12** **3-D Art** **.5 credit**
This course focuses only on the creation of 3-Dimensional pieces of art. We will work with sculptural materials such as wire, plaster, clay, metal, and yarn. The elements and principles will also be covered, and the subject of form and proportion through sculpture will be the main focus of each project. If you like to work with your hands and build things, then this course is for you.
- 9-12** **Yearbook** **.5 credit**
This course introduces the interaction of text and image and the fundamental components of graphic communication through Graphic Design. Students will learn how to use the Yearbook program through the online Walsworth website and will take photographs of school events and sports, build spreads, write articles for their pages, and use their knowledge and skills to build the yearbook. Students will also learn the program CorelDRAW and will create digital art to use in collaboration with the laser engraver, the vinyl cutter, and the router.
- 9-12** **Digital Arts** **.5 credit**
Digital Arts is a class that involves the combination of photography, digital drawing, and editing. Students will be taught how to build up layers in order to create unique photo manipulations that combine photos with drawing on a Wacom One tablet. Students will develop proficient technical and aesthetic skills that will increase artistic development and creativity. Projects may include: Movie poster design, logo design, digital painting, photo composites, product design, and illustrations.

PHYSICAL EDUCATION

- 9-10** **Health 9 & 10** **.25 credit**
This course is designed to educate students on health-related topics. Students will learn wellness practices that equip them with strategies to live a quality and healthy lifestyle throughout one's lifetime. Topics include, but are not limited to, healthy eating patterns and choices within nutrition-based research, mental health disorders while learning healthy coping strategies to further develop their emotional intelligence, health literacy related to anatomical terminology, and real-world application within each topic.
- 9** **Physical Education 9** **.25 credit**
Physical Education at the high school level focuses on lifelong physical activities and fitness goals. First, students gain a cognitive perspective of why being active is vital to one's health and well-being. Students develop the psychomotor skills to physically and confidently execute multiple lifelong physical activities. Lastly, students increase their affective domain by finding their niche and purpose to living an overall wellness approach. Lifelong activities include but are not limited to aerobic and anaerobic exercises such as running, HIIT, AMRAP, hiking, and yoga. Topics in weight training include posture development, safety techniques, the primary use of equipment, and the functionality of muscle groups. Lifelong competitive activities, for example, disc golf, golf, badminton, pickleball, archery, and table tennis. Evaluation is conducted by individual assessments, such as preparation for class physically and mentally, appropriate levels of participation, cooperation, and formative assessments.
- 10** **Physical Education 10** **.5 credit**
10th-grade Physical Education is the last required course within the Wellness Education Department at Commodore Perry School District. Students will focus on continuing their knowledge and skills for lifelong physical activities and fitness goals (related topics described in 9th-grade Physical Education.) Additionally, students will learn how to modify activities throughout a lifetime. Evaluation is conducted by individual assessments, such as preparation for class physically and mentally, appropriate levels of participation and cooperation, formative assessments, and summative assessments. Finally, as part of the last needed Physical Education course, students will be required to complete a capstone project. The objectives are for students to provide evidence of knowledge to live an independent, healthy lifestyle throughout their lifetime. The capstone includes the connection of evidence-based research of mental and physical benefits of lifelong activities, incorporating the ability to program a fitness schedule, and balancing a healthy nutrition plan.
- 11-12** **Elective Physical Education** **.5 credit**
Beyond 10th grade, Physical Education can be chosen as an elective to experience various activities. This course will cover, but not be limited to, traditional and non-traditional games. Lifetime fitness skills will be more in-depth and provide additional exposure to weight training, resistance training, and aerobic conditioning. Students will review the physical and mental benefits of each topic. Evaluation is conducted by individual assessments, such as preparation for class physically and mentally, appropriate levels of participation and cooperation, and student-based assessments.
- 11-12** **Advanced Health** **.5 credit**
Advanced Health is a semester course designed for any student who wishes to understand further the human body and how it functions. Students who enroll in this course should be interested in pursuing a career as a physician, physician's assistant, nurse, nurse's assistant, physical therapist, physical therapist's assistant, or athletic trainer. Students cover advanced human anatomy, human physiology (the study of how body systems functions and interact), and basic human kinesiology (the study of how the body moves). In addition, students will learn basic first aid, basic care and prevention of common athletic injuries, and basic taping and therapy techniques.

FAMILY AND CONSUMER SCIENCE

- 9** **Futures 9** **.25 credit**
This is a required block class in 9th Grade. In Futures 9, students will explore the four areas of Career Education: Career Awareness, Career Acquisition, Career Retention, and Entrepreneurship. Students will take interest surveys, research careers, develop employability skills, and write a career action plan.
- 9-12** **Foods & Nutrition I** **.5 credit**
This course explores several areas of food preparation and nutrition. Students will learn how selecting foods following the My Pyramid nutritional guidelines helps meet a person's nutritional needs. Students will have the opportunity to prepare a variety of recipes at a beginner/average cooking level.
- 9-12** **Foods & Nutrition II** **.5 credit**
This course builds on the skills and knowledge taught in Foods I. Students will learn how nutrients affect the body and how to plan diet modifications for their ability to improve nutritionally-related health conditions. Students will have the opportunity to prepare a variety of recipes at an advanced cooking level. **Prerequisite: Foods I Lab fee \$5**
- 9-12** **Child Development** **.5 credit**
This is the perfect class for anyone who wants to learn more about how children grow and develop. The class will discuss the development of children from birth-13 years of age. If you are planning a career that deals with children or just want to learn more about kids, you will enjoy this fun and interesting course!
- 10** **FACS Essentials** **.5 credit**
This class will cover the basics of adult responsibilities: setting goals, managing stress, banking and budgeting, cooking and nutrition, healthy relationships and more.

TECHNOLOGY EDUCATION

- 9-12** **Intro. Home Maintenance** **.5 credit**
Students will acquire basic electrical experience to allow them to safely repair and/or replace home electrical systems. Students will gain basic knowledge of home plumbing system: how to repair/replace both fresh water and waste water-vent systems. The students will become familiar with basic wall construction as well as hanging drywall and framing doors and windows. Students also have the opportunity to become familiar with several other important home maintenance strategies.
- 9-12** **Introduction to CNC Manufacturing** **.5 credit**
Utilizing the 21st century CNC equipment in the XYZ lab, students will test their creativity as they create impressive projects using the CNC Routers, Milling machines, laser engraver, and Water Jet cutter. Each project they complete will test their skills and understanding of each machine and the design and programming that goes into them. Students will start with basic CNC processes and gradually lead into more advanced topics that could better prepare them for a manufacturing career. **Although, students will have to pay for the materials used, they will have a choice on what it is they want to create.**

- 9-12 **Intro to Solidworks** **.5 credit**
This course provides students with a broad introduction into 3-dimensional Computer-Aided Design (CAD/CAM) and modeling with a focus on construction and architecture, with specific applications. Students will learn how to design a model from scratch and then use additive manufacturing (3D printing) to produce prototypes used in everyday life.
- 9-12 **Robotics** **1 credit**
The Commodore Perry Robotics course will focus on teamwork within engineering as we compete in. A competition called robotics, located at Meadville High School in the spring. Students will work on designing, building, and operating a battle-bot for this competition. Students will get experience with CNC machining and Drafting and Design using Solidworks as well as experience with community involvement by asking for sponsorships from several local companies. This competition is a NRL (National Robotics League) sponsored event and will give the winning teams the opportunity to compete at the national level. ****Students may be required to stay after school 1-2 days a week if needed. **Students are required to attend the competition during the year.**
- 9-12 **Woodworking I** **.5 credit**
This course gives the students an opportunity to learn about the basics of woodworking. Students will use basic hand tools and power tools to construct a Woods I cabinet assigned by the teacher. These cabinets will range from \$50-\$100 depending on the type of wood the student chooses. **Each student is responsible for paying for their cabinet. No student who has taken Woods I previously will be permitted in this class. Students who this effects, will need to sign up for Wood Working II below.**
- 9-12 **Woodworking II** **.5 credit**
This course allows students to utilize skills that were developed during Intro to Wood Working. Projects will be built that challenge students abilities. **Students will be responsible for the cost of the wood that they use.** **Prerequisites: Woodworking I**
- 9-12 **Modern Technology Innovation** **.5 credit**
This course provides students with modern technologies that are used in manufacturing across the nation. Utilizing the Commodore Perry Maker Space Lab, students will focus on additive manufacturing (3D printing), Laser engraving, vinyl graphic design, and subtractive manufacturing (Computer Numerical Controlled) **Prerequisite: Woodworking I**

MUSIC

- 9-12 **Senior High Band** **1 credit**
This course is an advanced instrumental performance-oriented organization. Membership is open to students from grades 9-12 and is determined by the director. The course enables those participating to perform music in many different styles from classics to jazz and rock. Public performances range from parade marching to pep music to three public concerts per year so there is a lot of opportunity to be evaluated, not only by the director but by many other people.

- 11-12** **Senior High Honors Band** **1 credit**
(weighted 5 percentage points)
The prerequisites for this class would be Senior High band participation in 9th and 10th grade, with a grade in good standing.
- In addition to everything involved with the regular band class (rehearsals, performances, pep/marching band attendance (if applicable), etc.), there will be additional assignments and expectations.
1. The student is expected to apply for participation in festivals (District, Region, County band, and District Orchestra, etc.)
 2. The student must audition for the PMEA D5 Honors Band. This is an advanced, audition-based ensemble that requires the study and performance of a college-level instrumental solo for a team of judges. The student typically has around 8 months to prepare this solo.
 3. The students will research the pieces of music the bands are playing and present the pieces to the audience at our concert.
 4. The students will be responsible for attending two concerts, one per semester, outside of the school district and submit the concert program and a written reflection of the performance to the director.
 5. The student must participate in Pep Band.

- 9-12** **Senior High Concert Choir** **1 credit**
This course is an advanced choral performance-oriented organization. Membership is opened to students grades 9-12 and is determined by the director. The course enables those participating to perform music in many different styles from classics to jazz and musical theater. Public performances include three public concerts per year so there is a lot of opportunity to be evaluated, not only by the director but by many other people.

- 11-12** **Senior High Honors Concert Choir** **1 credit**
(weighted 5 percentage points)
The prerequisites for this class would be Senior High Choir participation in 9th and 10th grade, with a grade in good standing.
- In addition to everything involved with the regular choir class (rehearsals, performances, etc.), there will be additional assignments and expectations.
1. The student is expected to apply for participation in festivals (District, Region, County Choir, etc.)
 2. The student must audition for the PMEA D5 Honors Choir. This is an advanced, audition-based ensemble that requires the complete preparation of two choral pieces to be judged on an excerpt from each piece. Students are judged in multiple categories including tone, pitch, rhythm, intonation, and interpretation.
 3. The student will research the pieces of music the choir is singing and present the pieces to the audience at our concert.
 4. The student will be responsible for attending two concerts, one per semester, outside of the school district and submit the concert program and a written reflection of the performance to the director.
 5. The student will be expected to be leaders in the ensemble and be willing to run rehearsals or sectionals when the director is absent.

WORLD LANGUAGES

- 9-12** **French I** **1 credit**
(NCAA Approved Course)
This course is an introduction to the language and cultures of the French-speaking world. Instruction will include basic structures of French grammar and pronunciation along with an introduction to French culture and geography. **Prerequisite: a “C” or better in the previous year’s English course or teacher approval is required.**
- 10-12** **French II** **1 credit**
(NCAA Approved Course)
This course is a continuation of French I with emphasis on grammar and conversation. Listening, speaking, reading, and writing skills will be developed. **Prerequisite: a "C" or better in French I.**
- 11-12** **French III** **1 credit**
(NCAA Approved Course)
In this course, students will improve their communication skills by reviewing the grammar structures learned in French I & II. Students will continue to participate in advanced conversations. There will also be a sustained study of French culture, literature, and history. **Prerequisite a "C" or better in French II or teacher approval.**
- 12** **French IV** **1 credit**
(NCAA Approved Course)
This course will be primarily an independent study course, but it will include oral practice with another French class. The students will further develop conversation, comprehension, and composition skills of the language. **Prerequisite: a “C” or better in French III and teacher approval.**
- 9-12** **Spanish I** **1 credit**
(NCAA Approved Course)
This course is an introduction to the language and cultures of the Spanish-speaking world. Instruction will include basic structures of Spanish grammar and pronunciation along with an introduction to Spanish culture and geography. **Prerequisite: a “C” or better in the previous year’s English course or teacher approval is required.**
- 10-12** **Spanish II** **1 credit**
(NCAA Approved Course)
This course is a continuation of Spanish I with an emphasis on grammar and conversation. Listening, speaking, reading, and writing skills will be developed. **Prerequisite: a "C" or better in Spanish I.**
- 11-12** **Spanish III** **1 credit**
(NCAA Approved Course)
In this course, students will improve their communication skills by reviewing the grammar structures learned in Spanish I & II. Students will continue to participate in advanced conversations. There will also be a sustained study of Spanish culture, literature, and history. **Prerequisite a "C" or better in Spanish II and teacher approval.**
- 12** **Spanish IV** **1 credit**
(NCAA Approved Course)
This course will be primarily an independent study course, but it will include oral practice with another Spanish class. The students will further develop conversation, comprehension and composition skills of the language. **Prerequisite: a “C” or better Spanish III and teacher approval.**

REGISTRATION FORM

Grade 9-12

2023-2024

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PRINT: LAST NAME

FIRST NAME

MIDDLE INITIAL

GRADE 23-24

ENGLISH

- _____ 1.0 Academic English (9-10-11-12)
- _____ 1.0 College Prep English (9, 10, 11, 12)
- _____ 1.0 Pre- Honors English 10
- _____ 1.0 Honors English** (11-12)
- _____ .5 Speech/Debate
- _____ .5 Creative Writing
- _____ .5 Media Production
- _____ .5 Academic Decathlon

SOCIAL STUDIES

- _____ 1.0 US Cultures 9
- _____ 1.0 US Cultures 10
- _____ 1.0 World Cultures 11
- _____ 1.0 Government/Economics
- _____ .5 Psychology*
- _____ .5 Sociology*
- _____ .5 The Law*
- _____ .5 American West
- _____ .5 America in Transition*
- _____ .5 US Wars Through Cinema

SCIENCE

- _____ 1.0 Academic Biology
- _____ 1.0 College Prep Biology
- _____ 1.0 Field Biology & Ecology
- _____ 1.0 Chemistry
- _____ 1.4 Adv. Chemistry*
- _____ 1.0 Adv. Chemistry II*
- _____ 1.0 Adv. Chemistry III**
- _____ 1.0 Botany & Zoology
- _____ 1.4 Physics*
- _____ .6 Adv. Physics*

MATHEMATICS

- _____ 1.0 Algebra I
- _____ 1.0 Geometry
- _____ 1.0 Integrated Math III
- _____ 1.0 Mathematics 11
- _____ 1.0 Probability and Statistics
- _____ 1.0 Topics of Math
- _____ 1.0 Pre-Calculus**
- _____ 1.0 Calculus**

BUSINESS

- _____ .5 Accounting I
- _____ .5 Accounting II
- _____ .5 Business Law
- _____ .5 Business Marketing
- _____ .5 Integrated Technology
- _____ .5 GameMaker Programming

ART

- _____ .5 2-D Art
- _____ .5 3-D Art
- _____ .5 Yearbook
- _____ .5 Digital Arts

HEALTH

- _____ .5 Phys. Ed
- _____ .5 Adv. Health

FAMILY&CONSUMER SCIENCE

- _____ .5 Foods & Nutrition I
- _____ .5 Foods & Nutrition II
- _____ .5 Child Development
- _____ .5 FACS Essentials

TECHNOLOGY EDUCATION

- _____ .5 Woodworking I
- _____ .5 Woodworking II
- _____ .5 Modern Tech Innovation
- _____ .5 Intro Home Maintenance
- _____ .5 Intro CNC Manufacturing
- _____ .5 Intro to Solidworks
- _____ 1.0 Robotics

MUSIC

- _____ 1.0 Senior Band
- _____ 1.0 Concert Choir
- _____ 1.0 Honors Band*
- _____ 1.0 Honors Concert Choir*
- _____ 0.4 Senior Band
- _____ .06 Concert Choir

**IF CHANGES NEED TO BE MADE,
PLEASE INDICATE THEM AND
RETURN NO LATER
THAN 3/15/23**

WORLD LANGUAGES

- _____ 1.0 French I
- _____ 1.0 French II
- _____ 1.0 French III
- _____ 1.0 French IV
- _____ 1.0 Spanish I
- _____ 1.0 Spanish II
- _____ 1.0 Spanish III
- _____ 1.0 Ind. Spanish IV

UNIFIED BLOCK

- _____ 1.0 Grade 9 (Health,Phys.Ed, Computers, Futures)
- _____ 1.0 Grade 10 (Health, Phys.Ed, Personal Finance)

3.0 Career Center

Dual Enrollment

3.0 EAcademy (Gr. 12)

*Please list your elective choices in order of your preference:

1. _____
2. _____
3. _____
4. _____
5. _____

Parents/Guardians: I have read the above registration form and understand that my student will be scheduled for all required courses and I give my approval for the scheduling of all electives.

Signature of Parent/Guardian

Signature of Student Date

* denotes weighted 5% courses
** denotes weighted 10% courses

COMMODORE PERRY JUNIOR HIGH SCHOOL

-Course Selection-

Name _____ Present Grade _____

Grade 7 - Required Courses	Grade 8 - Required Courses
ELA 7	ELA 8 and Reading 8
Mathematics 7	Pre-Algebra 8 or Algebra I
Life Science	General Science
PA History/Geography/Civics	World Cultures I
Art/Computers/Music/Health	Phys. Ed/Art/Music/Family & Consumer Science
Phys. Ed/Careers/Shop/World Language	Health/Computers/World Language/Shop

ELECTIVES FOR 7TH GRADE

__Chorus
__Band

ELECTIVES FOR 8TH GRADE

__Chorus
__Band

*Students in seventh grade must score Proficient or Advanced on their Math PSSA to be placed in Algebra I

Parent/Guardian: I have read the above registration form, and I understand that my student will be scheduled for all required courses. I also give my approval for the scheduling of the electives chosen.

Date

Parent/Guardian Signature

IF CHANGES NEED TO BE MADE, PLEASE INDICATE THEM AND RETURN THIS FORM NO LATER THAN 3/15/23 TO YOUR HR TEACHER OR THE HS OFFICE