

COMMODORE PERRY SENIOR HIGH SCHOOL

Grades 9-12

Student Course Selection 2015-16

INTRODUCTION

It is our hope that the information found here will be utilized when you are planning your course selections during your senior high school years. Additional information will certainly be required in planning your future. We encourage you to talk with your counselor and/or teachers before making your decisions.

You are asked to think about some of the principles that should guide your thinking in your choice of curriculum. You should be a realist and think of what you will do upon graduation. Will you be going to college, trade or business school or entering the military or work world?

In choosing a course, consider your natural ability and think seriously of the vocation, which you wish to follow. Once you have taken the required courses, select subjects that will benefit you. 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 counselor is available to assist in whatever way may be appropriate to facilitate a successful and rewarding school experience for each student. Personal information about achievement, aptitude and interests is gathered and available for each student.

In addition, a career center has been developed to provide information on career questions and training or college programs of study. See your counselor periodically about your progress to insure that your subjects are appropriate and in keeping with your career plans. Proper course selection is vital.

On the following pages you will find our senior high school program of studies. All of the information that you should need in selecting your class schedule for next year is here. Read it over thoroughly and carefully. If you need more information regarding a particular course, see your counselor before making your final selections.

Curtis A. Ace
Guidance Counselor

Commodore Perry School District does not discriminate on the basis of race, color, national or ethnic origin, sex or handicap in the administration of any of its educational programs and activities, in accordance with applicable federal statutes and regulations. Inquiries concerning application of this policy should be directed to the Superintendent.

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 Science 9 and Biology. (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. Eight (9) credits Fine and/or Practical Arts (may elect from English, Social Studies, Chorus, Band, Art, Foreign Language, Technical Education, Family & Consumer Sciences, and Physical Education)
- g. Graduation requirements will include a graduation project (see following page for requirements) and a score of “**Proficient**” or better on the relevant Keystone Exam which is **Algebra I, Biology, and Literature** or successful Keystone Assessment project in the absence of proficient exam scores.

*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.

****Students will be given an opportunity to look at and follow their schedule the last day of school. Changes will not be made after school begins except for the following reason:

- (a) A change in career plan that requires the addition of higher level courses.

New Grade and Percentage Point Scale Value:

A+ = 100-98	4.67	D+ = 73-71	1.67
A = 97-95	4.33	D = 70-68	1.33
A- = 94-92	4.0	D- = 67-65	1.0
B+ = 91-89	3.67	F = 64 & below	
B = 88-86	3.33		
B- = 85-83	3.0		
C+ = 82-80	2.67		
C = 79-77	2.33		
C- = 76-74	2.0		

GRADUATION PROJECT REQUIREMENTS

Major components for satisfactory completion of the Graduation Project Requirements

Freshman Year

- ✓ **Career paper**
 - Completed during the freshman year
 - Part of the English class requirement

Sophomore Year

- ✓ **Service Learning (Community Service) Component**
 - 10 hours of approved community service
 - 1 page paper summarizing the Service Learning Experience

Junior Year

- ✓ **Career Learning (Job Shadowing) Component**
 - 8 consecutive hours, or as approved by the advisor, in an approved job shadowing experience at a non-family owned business
- ✓ **2 page paper**
 - Completed by the end of the second semester of the junior year
 - Summary of the Service Learning and Career Learning experiences and their relevance to a chosen career goal
 - Relating the role and importance of community service in society
 - Typed, double-spaced, Times Roman #12 font, one-inch margins

Senior Year

- ✓ **Resume**
 - Completed during the senior year
- ✓ **Exit Interview**
 - Completed as scheduled during the second semester of the school year
 - Presentation of the Graduation Project Portfolio containing all components of the student's Project including the student's unique Service Learning and Career Learning experiences
 - Student should be prepared to answer questions about the Graduation Project experience

THE ACCELERATED/HONORS SEQUENCE OF STUDIES

The accelerated and honors curriculums prepare students for admission to four-year colleges, nursing, 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 Foreign Language and one (1) credit in Health and Physical Education. The remaining credits should be elected in the fields of science, mathematics, foreign language, business, or arts.

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

<u>Grade 10</u>	<u>Credits</u>	<u>Grade 12</u>	<u>Credits</u>
College Prep English	1.0	Honors English	1.0
U. S. Cultures II	1.0	American Government/Economics	1.0
Adv. Chemistry	1.4	Adv. Physics, Field Biology, or	1.0
Int. Math II or Int. Math III	1.0	Adv. Chemistry II	1.0
Foreign Language II	1.0	Pre-Calculus or Calculus	1.0
Unified Block	1.0	Foreign Language IV	1.0
(Health, Physical Education Computers)	.5	Honors Social Studies I & II	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	1.0	College Prep English	1.0
U. S. Cultures I	1.0	W. Cultures II	1.0
Academic or College Prep Biology	1.0	Physical Science, Physics	1.0
Mathematics 9, Int. Math I, or		Adv. Chemistry II	1.0
Int. Math II	1.0	Mathematics 11, Topics of Math	
Unified Block	1.0	Int. Math II, Int. Math III,	
(Health, Physical Education,		Pre-Calculus	1.0
Computer, Speech)		Electives	1.5
Electives	1.5		
	—		—
	6.5		6.5

<u>Grade 10</u>	<u>Credits</u>	<u>Grade 12</u>	<u>Credits</u>
College Prep English	1.0	College Prep English	1.0
U. S. Cultures II	1.0	American Government/ Economics	1.0
Academic Chemistry or Adv.Chemistry	1.0	Field Biology, Adv. Chemistry II	1.0
Mathematics 10, Int. Math I,	1.0	Adv. Physics	
Int. Math II, Int. Math III		Int. Math II, Int. Math III,	1.0
Unified Block	1.0	Pre-Calculus, Calculus	
(Health, Phys. Ed, Computers)		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>
Academic English	1.0	Academic English	1.0
Mathematics	1.0	Am. Government/Economics	1.0
Physical Science	1.0	Electives	2.0
World Cultures II	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>
Academic English	1.0	Academic English	1.0
U. S. History II	1.0	Am. Government /Economics	1.0
Chemistry	1.0	Electives	2.0
Mathematics	1.0	Career Center	3.0
Unified Block (Health, Physical Education, Computers)	1.0		
Career Center	3.0		
	—		—
	8.0		7.0

<u>Grade 11</u>	<u>Credits</u>
Academic English	1.0
Mathematics	1.0
Physical Science	1.0
World Cultures II	1.0
Career Center	3.0
	—
	7.0

PROGRAMS OFFERED AT CAREER CENTER

Auto Body
Auto Mechanics
Building Trades Maintenance
Carpentry
Computer and Office Technology
Cosmetology
Culinary Arts

Diesel Mechanics
Early Childhood Education
Electronic Technology
Health Care Careers
Precision Production Metals
Protective Services
Welding

Auto Body – The automotive industry has a rich heritage and exciting future. That future is reflected in auto body technology, one of the fastest growing and most innovative fields in the industry. You use cutting edge technology based on Automotive Service Excellence (ASE) Standards as you estimate damage, replace parts, and refinish/detail as you prepare a vehicle for customer delivery. Learn welding, plastic repair, refinishing/painting creates career opportunities in manufacturing, fabrication as well as auto body technology. Instruction takes place in a safe, clean, well-equipped shop.

Auto Mechanics - The Auto Mechanics program is designed to provide the students with entry level skills and knowledge needed to diagnose and repair today's modern vehicles. The student's training is based on Automotive Service Excellence Standards (ASE) and includes the following: Braking systems, steering and suspension systems, engine performance, electrical and electronic systems, automatic and manual transmissions, HVAC (heating ventilation and air conditioning), and engine repair. Standard automotive business practices are also studied including: completing and calculating work orders, time cards, and parts invoices. The program also provides the students the opportunity to earn their Pennsylvania State Inspection license and their Northern Region Emission Inspector license. Students are able to work on trainer vehicles, customer vehicles, and their own vehicles.

Building Trade Maintenance – Students learn basic skills in Electricity, Masonry, Plumbing, Carpentry, and HVAC/R (Heating, Ventilating, Air Conditioning, and Refrigeration). Many students develop advanced skills in one or more of these technical areas. Students will learn to safely operate a wide variety of hand tools and power machinery. During the first year, students study and develop skills in all of the program areas. In the second year, students are encouraged to specialize in one of the program areas. Students have the opportunity to apply for all union trades after completion of senior year.

Carpentry – Carpenters literally build the future by constructing and remodeling houses, apartments, and commercial buildings. Join the Carpentry Team and learn to build like a pro! Use computers and architectural design software to draw floor plans and renderings. Construct a house using the latest tools. Visit area work sites, meet professional builders, and visit the Carpenters Union to learn how to earn your journeyman's card. Visit colleges and learn about advanced degrees in Management and Engineering. Learn how experienced Carpenters advance into supervisory positions or own their own business. Plan your career in an industry that offers high wages, excellent job opportunities, and employs over 8.3 million people.

Computer and Office Technology – Computer and Office Technology prepares students for an interesting and challenging career using computers or working in a business setting, in the field of graphic design or web design using the latest equipment and software. Use your creative talents to edit photos, design and maintain web pages, use the internet effectively, and prepare business documents. If you “make things happen”, like variety, are organized, and creative, a career using computerized office technology is for you.

Cosmetology – Experience the world of beauty and fashion through the Cosmetology program. Use cutting edge techniques to deliver precision haircuts, perms, chemical relaxing, braiding, manicures, facials, and hair color treatments. Two days a week you will master your skills on customers in our student operated salon. Students successfully completing 1250 hours of instruction are eligible for licensure from the Pennsylvania State Board of Cosmetology.

Culinary – This course is designed to give students the basic skills needed to start a career in the restaurant and hospitality industry. You will create foods, from appetizers to desserts, in our professionally equipped kitchen and bakery. The curriculum and professional equipment is designed to develop skills in all facets of the food service industry and equip students for immediate employment or post high school training.

Diesel Mechanics – Designed to help students develop “hands-on” skills and knowledge needed to enter the rewarding field of the diesel repair industry. Learn the skills needed to pursue careers in a multitude of areas, including but not limited to welding, hydraulics, pneumatics, electronics, as well as “bumper to bumper” diesel repair. In addition to classroom instruction, students diagnose, service, and repair all aspects of diesel related equipment. This is accomplished using modern “high-tech” scan tools and personal computer interfaces. Diesel engines have become more fuel efficient, lighter, quieter, and environmentally friendly. These factors have created an increased demand for talented and skilled technicians. This program has a long, proud history of student success and service to the community.

Early Childhood Education- Learn the skills needed to work with young children, through working in a fully functional preschool. Obtain infant and child CPR and First Aid Certification. Earn experience hours toward a Child Development Associate (CDA) Ready Certification. Prepare for postsecondary schooling in the education field or prepare to enter the workforce in a child care center or as a family child care provider.

Electronics Technology – Instruction in this program will develop basic levels of knowledge, understanding and skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations. This program prepares individuals to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Using the latest technology you will build telephones, security alarm systems and rockets. Students in Electronics Technology have the ability to earn college credits at CalU.

Health Care Careers – This program is designed to allow students the ability to gain a preparatory understanding of the health care environment. Through career exploration, students are able to make an informed career decision prior to postsecondary education. The course focuses on anatomy, physiology, and medical terminology. Certifications include American Heart Health Care Provider (CPR/AED, American Heart First Aide, and American Heart Pediatric First Aide, and PA Nurse Aide Registration) Clinical experience will be conducted at Avalon Springs Nursing Center.

Precision Production Metals – This course is designed for students to gain knowledge and skills with an emphasis in machining, welding, sheet metal fabrication, hydraulics, and pneumatics. Areas are taught through hands-on assignments to develop technical skills. Through a variety of projects, students will be able to plan, setup, operate machines, as well as to manufacture and assemble metals. National Institute of Metalworking Skills certification is available to those enrolled in Precision Production Metals.

Protective Services – . Learn about the exciting field of public safety and homeland security. You may also earn credits at post-secondary institutions. You can earn several certifications, including Healthcare Provider, First Aid, and National Incident Management Systems. You may also become certified as an Emergency Medical Responder or Emergency Medical Technician. Investigate crime scenes, practice police patrol, and learn emergency communications. Some of the career opportunities available to you are Police, Conservation Officer, Security Officer, Firefighter, and the armed services. Students may attend a one, two or three year program of study.

Welding - The welding program focuses on the instruction of many industry-specific types of welding, brazing, and soldering techniques. Students will learn Arc, Mig, Tig, Flux-core, and Oxy-fuel Welding. Also students will receive instruction in Plasma and Oxy-Fuel cutting of metals. Blue-print reading will be taught so students can learn to produce real-world products and parts. American Welding Society standards are integrated into this welding curriculum.

For further information on Mercer County Career Center programs and services, please visit the website www.mccc.tec.pa.us

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**
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.
- 9** **Speech 9 (9 Week Block)** **.25 credit**
This block course will instruct freshmen in the art of public speaking. The course will focus on the basic techniques for public speaking, topic development and research skills, delivery techniques, and listening skills. Students will present informative, persuasive, and impromptu speeches. This course is in preparation for more advanced speech development during 10th grade English.
- 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**
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**
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. **Placement in the course is based on an application essay, 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**
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.

ENGLISH

Grade

- 11** **Honors English 11** **1 credit**
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 an application essay, teacher recommendation, and a “B” average in College Prep English. A “C+” average must be maintained to remain in the Honors courses.**
- 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**
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**
Senior Honors English is a weighted course for students who have demonstrated outstanding ability in previous English classes. Students will explore multi-genre world literature from a variety of literary level. Completion of course portfolio and formal literary analysis as well as summer readings/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, an application essay, teacher recommendation, and a “B” average in College Prep English. A “C+” average must be maintained to remain in the course.**
- 9-12** **Journalism/Broadcasting** **.5 credit**
This elective will spotlight writing for several mediums including newspaper, television, radio, and magazine. Students will practice interviewing techniques and journalistic writing. In addition, students will design a newspaper and advertisements, as well as create public service announcements. Students taking this course will contribute to the school newspaper. **The prerequisite for this course is a “C” or better in English and /or teacher approval.**
- 9-12** **Drama/Debate** **.5 credit**
The debate portion of this elective concentrates on techniques needed for creating and presenting debates. Students can expect to present numerous debates while practicing research skills, note taking, and outlining. The drama portion will focus on reading dramas and practicing acting techniques, as well as learning how to write plays. Students will have the chance to perform for the class and take a trip to see a live presentation.

ENGLISH

Grade

- 9-12** **Creative Writing** **.5 credit**
This elective will feature instruction in creative writing in a writing workshop. Various poems, short stories, and authors will be read as students work to develop their own narratives and poems. Students will complete a personal writing portfolio and participate in Writer’s Day. **The prerequisite for this course is a “C” or better in English and /or teacher approval.**
- 9-12** **Academic Decathlon** **.5 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 meet
-take the Academic Decathlon Class
In addition, students must:
-take all required placement tests for the ASL meets they plan to attend
-attend mandatory speech practices

SOCIAL STUDIES

- 9** **U. S. Cultures I** **1 credit**
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 II** **1 credit**
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 1800. 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** **World Cultures II** **1 credit**
World Cultures II is a mandatory course for all juniors. This course examines the history and culture of various countries from around the world. Students learn about these countries by using the following statements: Political and cultural contributions of individuals and groups to the history of the world, primary documents, material artifacts, and historical places of the world, how continuity and change have influenced the history of the world, and conflict and cooperation among social groups and organizations of the world.

SCIENCE

Grade

- 9** **Academic Biology** **1 credit**
This course emphasizes biology in today's society. The course involves individual research and laboratory activities. Topics include continuity of life, animal kingdom, plant growth, reproduction, life processes, microorganisms, chemistry, genetics, and the community of life.
- 9** **College Prep Biology** **1 credit**
This course presents a study of the origin of life, ecological relationships, chemistry of life, genetics, cell biology, anatomy, physiology, and other basic principles of biology. Students will engage in research and laboratory activities concerning modern and traditional biological techniques. The course is designed to provide the students with the scientific approach and to prepare the student for other college sciences.
- 10** **Chemistry** **1 credit**
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**
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, thermochemistry, chemical bonding, and gas behavior.
- 11** **Physical Science** **1 credit**
Physical science is a course that explores the relationship between matter and energy. In addition to classroom lessons, the curriculum includes hands-on laboratory investigations and group activities in which the students will investigate forces and motion, the chemical and physical properties of matter, the ways in which matter and energy interact within the natural world and the forms and properties of energy. Conservation of matter and energy is an underlying theme throughout the entire course. Physical science will provide the knowledge, prerequisite skills, and structure needed for problem solving and ethical decision-making about matters of scientific and technological concern, and will provide a basic foundation for advanced studies in chemistry and physics.
- 11** **Physics** **1.4 credit**
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**
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**

SCIENCE

Grade

- 12** **Advanced Physics** **.6 credit**
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** **Independent Chemistry III** **1 credit**
This course will meet one day a week and review all topics in Advanced Chemistry I and II as well as current events in chemistry. This course will prepare the students for college chemistry courses. **Prerequisite: successful completion of Adv. Chemistry II.**
- 11-12** **Field Biology and Ecology** **1 credit**
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

- 9-12** **Integrated Mathematics I** **1 credit**
This course is designed to prepare students for the Keystone Exam. The course combines algebra and geometry with statistics, probability, and discrete math. The 3-level Integrated Math Series will replace Algebra I, Algebra II, and Geometry. **Students will need a "C" average in this course in order to take Integrated Mathematics II. High School students who do not pass the Keystone Exam will be assigned to Integrated 1A.**

MATHEMATICS

Grade

9-12 **Integrated Mathematics 1A** **1 credit**

This course is designed to prepare students to retake the Keystone Exam. This course will be tailored to fit the needs of the students who did not pass the Keystone the previous year. The 3-level Integrated Math Series will replace Algebra I, Algebra II, and Geometry. **Students will remain in this class until they have achieved proficiency on the Keystone Exam, or have not scored proficient on the Keystone Exam in three consecutive years, at which point they will be assigned to Math 11. Credit will only be given once for this course. Students will need a “C” average in this course in order to take Integrated Mathematics II.**

9-12 **Integrated Mathematics II** **1 credit**

This course continues the study of algebra, geometry, statistics, and probability, and discrete math. The course presents new topics as well as building on the topics presented in level 1. The course is designed to prepare students for college or technical schools. It will also help prepare them to take College Boards. The 3-level Integrated Math Series will replace Algebra I, Algebra II, and Geometry. **Students will need a “C” in this course in order to take Integrated Mathematics III.**

10-12 **Integrated Mathematics III** **1 credit**

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 is designed to help students be prepared for many standardized competency tests. **Students who have passed Integrated II or higher cannot take this course.**

11-12 **Pre-Calculus** **1 credit**

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. **Prerequisite a “C” average in Int. Math III.**

12 **Calculus** **1 credit**

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. **Prerequisite “C” average in Pre-Calculus.**

BUSINESS

9 **Microsoft Excel/Microsoft Access (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.

ART

Grade

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.

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.

Digital Photography/Graphic Arts

.5 credit

This course is designed for students who are interested in creating art with computers and photos. We use Adobe Photoshop to manipulate and edit our photos. The projects will involve creating magazine covers, animations, posters, and learning different techniques of photographic composition. This class would be ideal for those students interested in the yearbook, a career in photography, or graphic design.

Digital Photography II

.5 credit

This class may only be taken by those students who have previously taken Digital Photography I.

Students will take their skills learned from the first class a step further. More advanced projects will be assigned, focusing on additional manipulation in Photoshop to make photos appear more professional-looking. Projects will be graphic design centered. We will explore how to create labels for products, layouts for book or magazine pages, and so on. Monthly in-class assignments will be given of different projects that can be created with the photos taken. This class is for the serious photographer.

PHYSICAL EDUCATION

9

Health 9

.25 credit

This is a block class that will meet for one 9-weeks. This course is designed to focus on a variety of health issues. Subjects include but are not limited to nutrition, eating disorders, some body systems, and current issues in health.

10

Health 10

.25 credit

This course is designed to introduce issues not covered in health to this point as well as renew CPR training. Subjects include but are not limited to nutrition, aging, death, and dying as well as current issues in health such as fad diets and healthy living.

9-10

Physical Education

.25 credit

This is a required block class in grades 9 & 10 that will meet for one 9-week. Physical education classes require a uniform of a plain white t-shirt and black or gym shorts. Activities may include, but not be limited to, participation in fitness, team sports, individual sports and games. Evaluation is on an individual level: based on class dress, participation, attendance, class activity, attitude and effort.

PHYSICAL EDUCATION

Grade

- 11-12** **Advanced Health** **.5 credit**
Advanced Health is a semester course designed for any student who wishes to further understand the human body and how it functions. Students who enroll in this course should have an interest in professions such as: physician, physician's assistant, nurse, nurse's assistant, physical therapist, physical therapist's assistant, and athletic training. Students will also learn basic first aid, as well as basic care and prevention of common athletic injuries, as well as basic taping and therapy techniques. During this course, students will cover advanced human anatomy, human physiology (how body systems function and interact), basic human kinesiology (study of how the body moves), basic first aid and safety, and care and prevention of athletic injuries.
- 11-12** **Weight Training** **.5 credit**
This elective will cover a basic overview of the weight training movement over the past 20 years. Students will also learn: basic muscle anatomy, proper weight training terminology, current type of various programs and their intended results, safety concerns regarding weight training, and goal setting as well as organizing an individual weight training plan. We will also examine the relationship between weight training and nutrition supplements.
- 11-12** **Intro to Fitness** **.5 credit**
This is an elective class that will meet five days a week for one semester. All students will be required to dress for class and daily attendance is important. This course is designed to introduce students to a variety of exercise programs such as fitness walking, step aerobics, pilates, and others. This is designed to help students find a program they enjoy and would want to continue outside of class. Students will also be given information on how to develop their own individualized program, nutrition, how to lose weight safely and maintaining a healthy weight. Daily exercise will be the main focus. Any questions about this class see Ms. Armstrong. Limit of 20 students per class.
- 11-12** **Physical Education Elective** **.5 credit**
This course is designed for students in grades eleven and twelve that have time in their schedule and would like to stay active. It will be an extension of the ninth and tenth grade physical education. Activities will include team sports, games individual sports, and possibly lifetime sports and activities, depending on class size. Any questions about this class see Ms. Armstrong or Mr. Drew.

FAMILY & CONSUMER SCIENCES

- 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. Lab fee \$5.
- 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**

FAMILY & CONSUMER SCIENCES

Grade

- 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, including an introduction to child psychology. 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!
- 9-12** **Sewing** **.5 credit**
Students electing this course will complete various sewing projects throughout the semester. Machine and hand sewing will be taught. The course will begin with an overview of different fabrics and their uses and characteristics. Students choosing to sew a clothing project will learn how to read a pattern and purchase the necessary notions to complete their project. **Students will be responsible for purchasing their projects and supplies.** Work at your own pace. No sewing experience needed.
- 11-12** **Independent Living** **.5 credit**
Students in this class will explore areas relevant to today's young adults. Topics included in this course are: decision making, communication, healthy relationships, vehicle and home ownership, job skills, finances, and single living.

TECHNOLOGY EDUCATION

- 9-12** **Intro to CADD (Computer Assisted Design and Drafting)** **.5 credit**
This is a course in computer aided drafting and design. Students will learn the basics skills of drafting and design and use the computer to complete drawings.
- 9-12** **House Design** **.5 credit**
This is a course in computer aided drafting and design. Students will use the computer to draw a set of house plans. Drawings will be printed on a plotter. **Prerequisite: Into to CADD**
- 9-12** **Product Design and Production** **.5 credit**
This is a semester course which would spend nine weeks in the Computer Lab and the following nine weeks in the Wood Shop. A company will be created and the class will select a product (project) that they wish to develop and produce. The students would be required to complete a set of working drawings that would allow for their product to be produced within the second nine week period. The second nine weeks would be spent in the wood shop building the product, utilizing a mass produced production line and the working drawings that the class had prepared. The students would be required to set up the production line, make all appropriate jigs and fixtures, and then produce a given number of the product. Each student would have completed set of working drawings and a finished product at the end of the class. **Prerequisites: Into to CADD and Intro To Woods.**
- 9-12** **Woodworking I** **.5 credit**
This course gives the student an opportunity to learn about the basics of woodworking. Students will use basic hand tools and power tools to construct projects dependent on their ability level. Each student will be responsible for the cost of the wood that they use.
- 9-12** **Advanced Woodworking** **.5 credit**
This course allows students to utilize skills that were developed during Woodworking I. Projects will be built that challenge students ability levels. Students will be responsible for the cost of the wood that they use.

TECHNOLOGY EDUCATION

Grade

- 9-12** **Manufacturing Enterprise** **.5 credit**
This class with an introduction to manufacturing technology, technical systems, and a look at the historical evolution of manufacturing. Students will examine the organization and management of manufacturing endeavors. The class culminates in the design and production of a product in a manufacturing enterprise situation, which closely parallels the functions of a manufacturing corporation. This will be done in a production laboratory using current equipment and processes. **Prerequisites: Woods I**
- 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 current heating systems-wood, gas, oil, electric, and heat exchange systems; forced air, hot water, and convection systems. Students will experience basic wall construction.

MUSIC

- 9-12** **Senior 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.
- 9-12** **Senior High Choir** **.6 credit**
This course will be a performing ensemble comprised of 9-12 grade students desiring to sing during the school day and represent the school in musical concerts, community events and other school functions. It will meet during three (3) class periods per week.
- 9-12** **Senior High Concert Choir** **1 credit**
Will be performing ensemble comprised of a select group of singers chosen by the director each spring for the following school year. This ensemble will further their formal vocal training and knowledge of fine vocal literature through a more intense regimen of literature and study. This course will meet during the two periods per week that the Senior High Choir does not meet.

FOREIGN LANGUAGE

- 9-12** **French I** **1 credit**
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 English at semesters or teacher approval is required.**
- 10-12** **French II** **1 credit**
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.**

FOREIGN LANGUAGE

Grade

- 11-12** **French III** **1 credit**
In this course, students will improve their communication skills by reviewing the grammar structures learned in French II & I. 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.**
- 12** **French IV** **1 credit**
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**
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 English at semesters or teacher approval is required.**
- 11-12** **Spanish II** **1 credit**
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**
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**
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.**

COMMODORE PERRY JUNIOR HIGH SCHOOL

-Course Selection-

Name _____ Present Grade _____

Social Security # _____

Circle One: M or F

Grade 7 - Required Courses

Developmental Reading

English

Life Science

Mathematics - Pre-Algebra

PA Hist/Geog/Civics

Art/Family & Consumer Science
Pa. History /Study Skills

Phys. Ed/Music/Computer/Shop

Grade 8 - Required Courses

English

Mathematics – Pre-Algebra

General Science

W. Cultures I

Reading

Phys. Ed/Art/Music/Family & Consumer Science

Health/Computer/Conv. Lang./Shop

ELECTIVES FOR 7TH GRADE

__ Chorus

__ Band

ELECTIVES FOR 8TH GRADE

__ Chorus

__ Band

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

Date

Parent/Guardian Signature

PLEASE RETURN THIS FORM NO LATE THAN _____

TO _____.

REGISTRATION FORM

Grade 9-12

2015-16

			M or F
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PRINT: LAST NAME FIRST NAME SOCIAL SECURITY CIRCLE GRADE 15-16

ENGLISH

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

SOCIAL STUDIES

- _____ 1.0 U S. Cultures I
- _____ 1.0 U. S. Cultures II
- _____ 1.0 World Cultures II
- _____ .5 Government
- _____ .5 Economics
- _____ .5 Psychology
- _____ .5 Sociology
- _____ .5 Honors Social Studies I *
- _____ .5 Honors Social Studies II*

SCIENCE

- _____ 1.0 Academic Biology
- _____ 1.0 College Prep Biology
- _____ 1.0 Field Biology
- _____ 1.0 Chemistry
- _____ 1.4 Adv. Chemistry*
- _____ 1.0 Adv. Chemistry II*
- _____ 1.0 Physical Science
- _____ 1.4 Physics*
- _____ .6 Adv. Physics*
- _____ 1.0 Chemistry III

MATHEMATICS

- _____ 1.0 Integrated Math I
- _____ 1.0 Integrated Math IA
- _____ 1.0 Integrated Math II
- _____ 1.0 Integrated Math III
- _____ 1.0 Mathematics 11
- _____ 1.0 Pre-Calculus*
- _____ 1.0 Calculus*

BUSINESS

- _____ .5 Accounting I
- _____ .5 Accounting II
- _____ .5 Business Law
- _____ .5 Business Marketing
- _____ .5 Keyboarding
- _____ .5 Adv. Comp. Application

ART

- _____ .5 2-D Art
- _____ .5 3-D Art
- _____ .5 Digital Photography I
- _____ .5 Digital Photography II

HEALTH

- _____ .5 Intro to Fitness
- _____ .5 Phys. Ed
- _____ .5 Weight Training
- _____ .5 Adv. Health

FAMILY&CONSUMER SCIENCE

- _____ .5 Foods & Nutrition I
- _____ .5 Foods & Nutrition II
- _____ .5 Child Development
- _____ .5 Sewing
- _____ .5 Independent Living

TECHNOLOGY EDUCATION

- _____ .5 Woods I
- _____ .5 Woods II
- _____ .5 Into to CADD
- _____ .5 House Design
- _____ .5 Intro. Home Maintenance
- _____ .5 Product Design & Production
- _____ .5 Manufacturing Enterprise

MUSIC

- _____ 1.0 Senior Band
- _____ .6 Senior Choir or
- _____ 1.0 Concert Choir

PLEASE RETURN NO LATER THAN _____

FOREIGN LANGUAGE

- _____ 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, Computer, Future 9)
- _____ 1.0 Grade 10 (Health,Phys.Ed, Computers)

_____ **3.0 Career Center**

_____ **Dual Enrollment**

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

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

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

Signature of Parents

Signature of Student Date

*denotes Honors Courses