

WEST PERRY HIGH SCHOOL
COURSE SELECTION GUIDE

2019~2020

TABLE OF CONTENTS

<u>Introduction</u>	<u>Pages</u>
Directory	4
General Information	5
<u>On-line Courses</u>	8
<u>CPAVTS Information</u>	9
<u>Course Areas</u>	
Agriculture Education	10
Community Service Work-Based Learning	14
Driver Education	15
English	15
Foreign Language	22
Health/Physical Education	23
Mathematics	24
Science	30
Social Studies	35
Electives	42
<u>Preparing for College</u>	57
College Guidance	
College Planning Timetable	
<u>Graduation Plan Template</u>	58

Dear Parents and Students:

The purpose of this planning guide is to provide basic information and guidance about the educational offerings available for the 2019-2020 school year at West Perry High School along with essential information to ensure our students are matriculating their way through all graduation requirements, including Keystone Exams.

In addition to preparing students for Keystone Exams, the primary goal of our curriculum is to provide each student with a solid academic program that opens a variety of options beyond high school. The West Perry School District provides a diverse and comprehensive list of courses to prepare students for academic proficiency, challenging scholastic investigation, the exploration of personal interests, and rewarding careers. Both parents and students need to carefully review this planning guide and discuss all options before selecting courses. We encourage each student to make the most of the outstanding opportunities afforded by this school district and to take courses that best challenge abilities while keeping career options open.

Because the course selection process can be very complex, this booklet is just one resource used to select the best program of studies. Please take advantage of all available resources, such as our guidance counselors, teachers, and administrators. A decision about course selection should be reached in collaboration with the student, the parents, and the school. Choosing a pattern of courses that is challenging and worthwhile will promote personal satisfaction and permit students to achieve their short-term and long-term goals.

West Perry High School has an excellent educational program and a very knowledgeable and supportive staff. I challenge each student to make optimum use of these resources in order to graduate with the best possible educational background.

Sincerely,

Mr. Rahn
Principal

West Perry High School

Phone: (717) 789-3931

Fax: (717) 789-2110

PrincipalMr. Christopher Rahn
Assistant Principal Mrs. Paula Jones
Dean of Students.....Mr. Kevin Deane
Athletic Director.....Mr. Ryan Anderson

Guidance Counselors for 2019-2020:

Mrs. Heather Bell
Ms. Lauren Meili
Mrs. Mandy Zeigler

Non Discrimination Policy

The West Perry School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies:

Name and Title: Ms. Liz Derr, Title VI, Title IX, §5404, ADA and Age Discrimination Act Coordinator
Address: 2608 Shermans Valley Road
Elliottsburg, PA 17024
Telephone: (717) 789-3931

GENERAL INFORMATION

In planning a program, students should carefully consider the following information:

A. Schedule

West Perry High School operates on an eight period day: seven academic and one resource. Students schedule courses within an academic day, with one period used for advisory, study hall, and clubs. The academic year consists of two semesters, Fall and Spring, with students selecting courses for each semester. These courses may be semester courses which meet every day for a semester (90 days), or yearlong courses (180 days). At the end of four years, students must accumulate a minimum of 25 credits for graduation.

CREDITS: Semester Course = 0.5 credits Yearlong Course = 1.0 credits

B. Exemption from Instruction:

A student may be excused from topics of instruction for religious reasons. A letter from the parent requesting exemption is required, and the student will be assigned alternative work that must be completed.

C. Graduation Requirements:

<u>Curriculum area</u>	<u>Credits</u>
English	4.0
Social Studies	4.0
Science	3.0
Mathematics	3.0
Math and/or Science Elective	1.0 (not required for CPAVTS Students)
Arts/Humanities	2.0
Wellness and Fitness	2.0
Technology/Chapter 339 Course	0.5
Electives	<u>5.5</u> (6.5 for CPAVTS Students)
Total	25.0

The Keystone Exam requirements for graduation shall be defined in Chapter 4 of the Pennsylvania Code.

A graduation project must be approved and completed in order to graduate. This will be completed as part of a student's portfolio which meets the State's mandated Chapter 339 Plan. Chapter 339 is a Pennsylvania state mandate that requires all school districts in the Commonwealth to have a comprehensive guidance plan encompassing Pre-Kindergarten to Grade 12. This plan must address the four Career Education & Work Standards. In order to graduate and earn a diploma, students must exhibit an understanding of these four areas through various career exploration activities by the end of their 11th grade year. Through these activities, students must produce eight pieces of evidence demonstrating their awareness and comprehension of the standards. The standards are as follows:

- (1) Career Awareness and Preparation
- (2) Career Acquisition
- (3) Career Retention and Advancement
- (4) Entrepreneurship

D. Class Status

In order to progress from one grade to another, students must earn the following credits:

- 10th grade status..... 6 credits
- 11th grade status.....12 credits
- 12th grade status.....18 credits

All promotions to the next grade will occur at the end of the school year only.

E. NCAA Initial-Eligibility Clearinghouse:

Planning for participation in NCAA Division I or Division II intercollegiate athletics begins in 8th grade with course selection and continues throughout high school. A student-athlete’s performance in the classroom throughout high school is essential to be eligible for participation in college. To be eligible, students **MUST** complete the NCAA Clearinghouse’s “Core Curriculum Requirements” **AND** meet the minimum GPA and SAT/ACT requirements mandated by the NCAA. A complete list of the core curriculum requirements and NCAA registration information is online at www.ncaaclearinghouse.org.

Please note: Students who fail to meet the core curriculum, GPA, and/or SAT/ACT requirements will **NOT** be eligible to participate in NCAA Division I or Division II intercollegiate athletics as freshman. Interested students **MUST** file an application with the clearinghouse during the junior year.

F. Makeup of Failures

Required subjects must be repeated if failed. While school counselors will monitor this situation, it is the responsibility of the student to reschedule required courses. This will require students to drop elective courses and to carry a larger load of major subjects than is desirable. If the schedule permits, a student may schedule failed courses during the following semester/year.

Students may also makeup classes via on-line summer school or correspondence/on-line classes according to District Policy.

Students are limited to four credits of credit recovery over the course of their high school career.

G. Changes in Schedule

Schedule changes will be made only under the most extenuating circumstances. These include:

- 1) incomplete schedule
- 2) class previously taken and credit earned
- 3) academically misplaced
- 4) failed course needed for graduation

DROPPING OR CHANGING CLASSES AFTER THE START OF THE ACADEMIC YEAR

After the first week of a semester, students may not drop any subject without a completed Course Change Review Form that includes permission from the parent, the teacher involved, the counselor and the principal. Students may obtain these forms in the Counseling Center. If the request is granted, the record of the dropped course will not appear on the transcript.

Any requests submitted after the five day period will appear on the student's transcript. If the student is passing the course at the time of withdrawal, s/he will receive a "Withdraw Passing" on their transcript. If the student is failing the course at the time of withdraw, they will receive a "Withdraw Failing" on their transcript.

Students are urged to elect a program of studies which they are reasonably sure of being able to handle. Generally, schedules are changed if a student is academically misplaced, needs a course to complete graduation or vocational program requirements, has already earned credit for the course or has an incomplete schedule. Changes will not be made to a student's schedule for the following reasons:

1. Students do not like the class.
2. Students do not like the teacher.
3. The class is held during an inconvenient period.
4. Students do not need the class to meet graduation requirements.
5. Students do not like other students in the class.
6. Students do not like their lunch period.
7. Course will affect athletic eligibility.
8. Student feels GPA will suffer.

H. Selection of Courses

Students are responsible for the selection of courses which fulfill graduation requirements. The guidance counselor is available to help with the selection process. We strongly suggest that students consult their counselors. Teachers will recommend placement for core courses. If a family disagrees with a teacher recommendation, a written request stating the reason for selecting an alternative course must be submitted to the school counselor to be reviewed by the administration. When selecting elective courses, students should select alternate electives in case their first choice is not available. Please note that the district reserves the right to deny the offering of a course or section due to

1. Low student interest
2. Unavailability of a highly qualified teacher

Additionally, some courses will only be offered on an every-other-year rotating basis.

I. Honors Courses

Honors courses are designed to provide enrichment and depth to courses for academically talented students. Students must expect to meet elevated academic requirements in Honors Courses. Honors Courses often move at an accelerated pace. Honors courses will receive a WEIGHTED GPA of 1.05, meaning students' GPAs reflect an additional 5% over report card grades for these classes. Report cards will not show this additional weighting, only GPAs reflect weighting. Example:

Class Grade	Weighted Factor	Weighted GPA Grade
90%	1.05	$1.05 \times 90\% = 94.5\%$

J. Advanced Placement Courses

- Courses designated as Advanced Placement (AP) will receive a WEIGHTED GPA (Grade Point Average) of 1.10.

Class Grade	Weighted Factor	Weighted GPA Grade
90%	1.10	$1.10 \times 90\% = 99\%$

- Courses are available in-house and on-line through the CAOLA Program.
- Students may take no more than two AP on-line courses per semester.
- Students who wish to register for the AP Exam must schedule the exam with their counselor by April 1. The College Board sets the exam fees for which students are responsible.

K. Supplemental On-Line Courses

1. Students must be aware that on-line courses require a majority of the work to be completed independently. Therefore, a student's ability to complete the course successfully is dependent upon his/her ability to be personally responsible and to remain on-task with little teacher direction. Learning independently consists of being self-disciplined and organized to complete assignments on the timeline prescribed by the on-line instructor.
2. A student is eligible to take on-line courses only if a course is not available or accessible in the West Perry High School course offerings, or if scheduling the course interferes with the graduation plan.
3. Students may take no more than two on-line courses per semester unless approved by administration.
4. All credits earned from on-line courses will be credited toward West Perry School District graduation requirements.
5. Students must follow the District Internet Policy and abide by a written code-of-conduct for on-line instruction.
6. Students who have failed an on-line course(s) may not register for any other on-line courses. Students who have withdrawn from on-line courses and are interested in enrolling in future courses will have their cases reviewed by a committee consisting of the School Counselor, High School Administrator, and Assistant Superintendent.
7. A student who does not complete their online course(s) must reimburse the school district for the cost of the course.

Cumberland Perry Area Vocational Technical School (CPAVTS)

Starting in 10th grade, students may attend CPAVTS. Beginning in the 9th grade, students may apply for admission to a vocational technical program at CPAVTS. Students attend CPAVTS in the morning and return to West Perry in the afternoon for required academic subjects. The application process begins in October of each academic year and is open to 9th and 10th grade students to attend the following school year. Applications are available in the Counseling Center.

Scheduling and Graduation Information:

1. Students may earn four (4) credits each year for successful coursework completion at CPAVTS. If a student takes a social studies course at CPAVTS, then s/he will receive one (1) credit for social studies and three (3) credits for the vocational program. Students may earn four credits at West Perry in the afternoon, totaling eight (8) credits per year.
2. Students must make up all required course on the prescribed schedule each year in order to meet graduation requirements. Failing the vocational program class results in removal from the program.

Programs Offered

Advertising Art and Design
Automotive Collision Technology
Automotive Technology
Carpentry
Computer Networking
Computer Programming
Cosmetology
Criminal Justice
Culinary Arts
Dental Assisting
Diesel Technology
Carpentry

Early Childhood Education
Electrical Construction and Maintenance
Electronics Technology
Graphic Communications
Health Career Technicians
Horticulture
HVAC (Heating, Ventilation and Air Conditioning)
Logistics and Warehouse Management
Masonry
Nurse/Nurse Assistant
Precision Machine Technology
Welding



AGRICULTURAL EDUCATION



7300 AGRISCIENCE AND TECHNOLOGY

Grades ~ 9-12 6 periods/cycle Credits 1.0 Full Year
Prerequisite: None

***This course can be used to fulfill one science credit required for graduation, but does not meet NCAA eligibility guidelines.**

This course is designed for beginning agricultural education students and is the pre-requisite for all the other courses taught in the Agricultural Education program. Topics will include Animal Science, Plant Science, Environmental Science, Agricultural Mechanics, and Leadership. In addition students will also learn about modern agricultural practices and how technology has changed the agricultural industry. Through this course students will engage in science related activities approximately 60% of the time and work in the agricultural mechanics shop the other 40% of the time. By participating in this course students will have the opportunity to participate in FFA activities. During class they will learn how to begin an SAE project and meet the requirements to earn the FFA Greenhand Degree.

7310 LARGE ANIMAL SCIENCE AND NUTRITION

Grades ~ 10,11,12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agriscience and Technology

***This course fulfills one science credit required for graduation, but does not meet NCAA eligibility guidelines.**

This course is designed for those students who wish to have an introduction to animal physiology and biology as they relate to the practical application of science, selection, and evaluation of animals, management practices, quality milk production, and alternative animal agriculture. FFA career development activities (livestock and dairy selection, meats and dairy food judging) will enhance this course. Students intending to seek employment on dairy or livestock production farms or in other phases of the livestock industry will especially benefit from this course. Students will identify the relationships among proper nutrition, balanced rations, management practices, livestock diseases, and livestock performances. If a student enrolls at Delaware Valley University post high school graduation they will earn 3 credits and will not have to take AS1000 if they completed this course with a B average or better.

7320 PET AND SMALL ANIMAL MANAGEMENT

Grades ~9,10,11,12 6 periods/cycle Credits .5 Semester
Prerequisite – None

An introductory course in small animal care and management, this course will provide students with an understanding of several small animal species, including dogs, poultry, rabbits, and other small rodents. Students will learn how to properly manage and care for these species, as well as understand their anatomy and physiology. This course will also provide information about animal welfare issues, nutrition, and careers as they relate to small and companion animals.

7325 VETERINARY SCIENCE AND TECHNOLOGY

Grades - 11,12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology and Large Animal Science/Pet and Small Animal Management

***This course can be used to fulfill one science credit required for graduation, but does not meet NCAA eligibility guidelines.**

This course will introduce students to the equipment, practices and procedures encountered in a post-high school vet tech program and career. Units of study will include safety in a veterinarian office, veterinarian terminology, animal physiology and biology, animal disease, lab procedures, clinical procedures, and hospital procedures. Animal welfare issues will be addressed in this course along with the proper care and handling of small and large animals.

(This course is offered bi-annually next offerings include 2020/2021 and 2022/2023)

7330 PLANT AND SOIL SCIENCE

Grades - 10,11,12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agriscience and Technology

***This course can be used to fulfill one science credit required for graduation, but does not meet NCAA eligibility guidelines.**

Students enrolled in this course will learn soil types and properties, soil fertility management, lawn establishment and maintenance methods, basic landscaping, and cultivation of agronomic crops produced in central Pennsylvania. Integrated Pest Management (IPM) practices and procedures will be addressed in this course. If a student enrolls at Delaware Valley University they will earn 2 credits and will not have to take HT1 101 if they complete this course with a B average or better.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

7335 WILDLIFE, FISHERY AND FORESTRY SCIENCE

Grades - 10,11,12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology

***This course can be used to fulfill one science credit required for graduation, but does not meet NCAA eligibility guidelines.**

This course is designed to allow students to explore career opportunities in the field and acquire applied knowledge of natural resource management. Forest and woodlot management will be studied, including forest ID, harvesting methods, and management of the forests for productive and recreational use. Students will also study various forms of energy including wind, solar, and Bio-fuels. In addition students will learn about fish and wildlife species native to Pennsylvania. This course will focus on the ecology, biology, and habitat of these species. Students are encouraged to prepare for and compete in the county **Envirothon** to enhance their learning.

7350 SMALL GAS ENGINES

Grades - 10,11,12 6 periods/cycle Credits .5 Semester
Prerequisite – Agri-Science and Technology

This course involves technical training, instruction, and hands-on shop work covering the application of small gasoline engines, and electric regeneration as it applies power systems within agriculture. Students are expected to overhaul or repair a small gasoline engine as part of the shop work and will incur personal expenses for the engine repairs.

7355 DIVERSIFIED AGRICULTURE MECHANICS

Grades - 10,11,12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology

This course will involve the laboratory/shop application of agricultural structure design, construction, and maintenance. This course uses basic problem solving and application of carpentry, electric wiring, stick welding, MIG welding, and plumbing skills will be emphasized. This class will give student skills to construct and maintain equipment.

7410 ADVANCED AGRICULTURE MECHANICS

Grades - 11,12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology and Diversified Agricultural Mechanics

This course will involve the laboratory application of agricultural structure design, construction, and maintenance. Practical application of carpentry, electric wiring, masonry, and plumbing skills will be emphasized. Students will hone their skill by picking projects that fit their career path in Agricultural Mechanics.

7620 INTRODUCTION TO AGRIBUSINESS

Grades – 11, 12 6 periods/cycle Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology

Introduction to Agribusiness is a comprehensive overview of the seamless channel that moves agriculture products from the farm to the fork. Basic agricultural economics and marketing theory is enhanced by investigations including risk management, consumer behavior planning business modules and global competition. The course is limited to juniors and seniors that have completed at least one credit of agriculture classes.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

7660 SUPERVISED AGRICULTURAL EXPERIENCE I (SAE I)**7661 SUPERVISED AGRICULTURAL EXPERIENCE II (SAE II)****7662 SUPERVISED AGRICULTURAL EXPERIENCE III (SAE III)****7663 SUPERVISED AGRICULTURAL EXPERIENCE IV (SAE IV)**

Grades – 9,10,11,12 Summer/After School Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology or Teacher Recommendation

Students will maintain an out of school supervised career development project for this course. The instructor will supervise the project and the class grade will be assigned by grading of the students' project records and teacher visitation to the project site. Students must take this course and maintain FFA membership if they wish to exhibit a project in FFA competition. The intent of this course is for students to expand upon their knowledge and experience by being responsible for this practical program.

7680 FFA LEADERSHIP I**7682 FFA LEADERSHIP II****7683 FFA LEADERSHIP III**

Grades - 10,11,12 6 periods/cycle Credits 1.0
Prerequisite – Agri-Science and Technology

Students will work to develop and implement the FFA Program of Activities. They will complete assignments which pertain to individual positions including serving as a chapter officer, committee chairperson, or member. Students will also prepare a job resume and cover letter, and prepare a leadership activity for a chapter meeting. Students will continuously work to develop their Supervised Agricultural Experience Program and will submit award applications which relate to their projects. Students will engage in public speaking opportunities including prepared and extemporaneous speaking. Furthermore, students will prepare for and compete in other career development events throughout the year. The intent of this course is for students to engage and expand upon their knowledge and leadership abilities. This course is designed to serve students in their first, second, or third year of the leadership curriculum. Student assessment is based on years of involvement within the curriculum. If students are in their 1st year of the curriculum they should choose FFA Leadership I, in their second year FFA Leadership II, and in their third year FFA Leadership III.

7684 FFA LEADERSHIP IV

Grades - 12 6 periods/cycle Credits 1.0
Prerequisite – Leadership I

This course is designed to be the capstone of a student's leadership curriculum career. Students will work independently to develop a leadership opportunity/project that they will work to create and implement throughout the school year. Opportunities must be approved by an agricultural instructor before students enroll in this course. Projects should include approximately 180 hours of involvement.

7380 AGRICULTURAL CAREER STUDY

Grades – 12 Summer/After School Credits 1.0 Full Year
Prerequisite – Agri-Science and Technology and Teacher Recommendation

This course is designed to be the capstone of a student's Agricultural curriculum career. Students will work independently to develop a career opportunity that they will work to create and implement throughout the school year. Opportunities must be approved by an agricultural instructor before students enroll in this course. Students will maintain an out of school supervised career development project for this course. The instructor will supervise the project and the class grade will be assigned by grading of the students' project records and teacher visitation to the project site. Students must take this course and maintain FFA membership. The intent of this course is for students to expand upon their knowledge and experience by being responsible for this practical program.



COMMUNITY SERVICE WORK~BASED LEARNING



2800 PARTNERS I

Grade - 10,11,12 6 periods/cycle Credit 1 Full Year
Students may earn a maximum of 2 credits in their high school career.

This course will provide students with the opportunity to learn and understand human differences. Students will work with peers who have different learning styles and varying forms of communication. Students will assist and interact with peers who are members of the Life Skills Support classes in various settings. A requirement of the course will be the need to demonstrate self-discipline and self-responsibility. This would be an appropriate course for students who plan on entering the teaching profession.

2820 WORK RELEASE

Grade - 12 6 periods/cycle Credit 0
Prerequisite - Passing all scheduled courses and on track for graduation. Pick up required application from high school office.

This is an option open only to those seniors who are employed in the surrounding communities. Students may leave one period a day for employment purposes. **This must be scheduled with the Principal.**

2840 SENIOR COMMUNITY OUTREACH

Grade - 12 12 periods/cycle Credit 1-2

This course provides an opportunity to explore, on an experiential level, a student's career interests. The placement will provide the student with work experience, interaction with professionals in his or her chosen field, and knowledge of real world work ethics. The student is encouraged to seek his or her own internship. Acceptance into either the Work Release Program or the Senior Community Outreach is based on the following considerations and is at the discretion of the guidance counselors, and school administration:

Academic Standing Attendance record Discipline record



DRIVER EDUCATION



0130 DRIVER EDUCATION

Grade - 10,11,12

6 periods/cycle

Credit .5

Prerequisite - None

This theory course discusses the driver's responsibility with regard to the following topics:

- Owning and maintaining an automobile
- Pennsylvania Vehicle Code
- Developing good driving habits
- Map reading
- Decision making and controlling the vehicle
- Alcohol and drugs
- Environmental influences on driving



ENGLISH



Sequence of Core Courses

<u>Career</u>	<u>Tech School</u>		<u>College</u>
Literature I (1025)	Literature I (1025)	Literature I (1025)	Literature II – Level II (1130)
Literature II - Level I(1120)	Literature II – Level I (1120)	Literature II – Level II (1130)	American Literature – Level II (1230) or American Literature – Level III (1240)
American Literature – Level I (1220)	American Literature – Level I (1220)	American Literature – Level II (1230)	British Literature (1315) Literature and Composition (1330)
Career Writing and Readiness (1270)/Elective* or Literature for Life (1320)/Elective*	Career Writing and Readiness (1270)/Elective* or Literature for Life (1320)/Elective*	Literature and Composition (1330)	Literature Seminar (1345) (Honors Level) AP® Literature (1355) AP® Language (1350)

1025 LITERATURE I – Level I

Grade - 9

6 periods/cycle

Credit 1

Full Year

Prerequisite – None

This course is designed to develop and refine skills that will prepare students for the Keystone exams. The course will take an in-depth look at literature and informational texts with an emphasis on text-dependent analysis. Literary study focuses on elements of fiction and informational texts. Works will include drama, poetry, short stories, and novels. Writing concentrates on the writing process.

1270 CAREER WRITING AND READINESS

Grade- 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – American Literature

This course will assist students in developing and writing resumes and completing applications for colleges, scholarships, and job opportunities. Interviewing skills and career readiness will also be discussed. This course may be taken in conjunction with 1320 Literature for Life

1315 BRITISH LITERATURE

Grade – 11,12 6 periods/cycle Credit 1 Full Year
Prerequisite – AMERICAN LITERATURE

Designed for college-bound students, this course offers an intensive study of the history of British literature and writing from the Medieval period through the Post-Modern period. Students will study a variety of literature including epic poems, poetry, drama, short story, and novels. The composition of essays on a variety of topics stresses expository writing as well as a formal research paper which is a requirement for completion of the course.

1330 LITERATURE AND COMPOSITION – Level II

Grade - 12 6 periods/cycle Credit 1 Full Year
Prerequisite -1235 American Literature

Students will study a variety of literature, including novels, poetry, plays, and short stories. Also, reading comprehension of non-fiction is emphasized. The composition of essays on a variety of topics stresses expository writing as well as a formal research paper which is a requirement for completion of the course. Students are required to participate in a formal debate which includes writing persuasive arguments. The study of vocabulary and semantics will also be an integral part of the course.

1345 LITERATURE SEMINAR – Level III (Honors Level Course)

Grade – 11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 90% average or better in English courses or teacher recommendation

Designed for college-bound students, this course offers an intensive study of literature, writing, and rhetoric. Students focus on research skills, literary interpretation and evaluation, self-assessment and editing skills, and verbal expression. The course fosters independence in using the writing process and study skills strategies and participating in class discourse. Requirements include a research paper, journalist profile, oral delivery of one position paper (including rigorous cross-examinations), one written position paper, several timed essays, formal “take home” essay tests, and a narrative plus creative writings.

1350 AP® ENGLISH LANGUAGE AND COMPOSITION

Grade – 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite - 90% average or better in English courses or teacher recommendation

In this college-level course, students will study and write about complex texts in a wide range of genres. Writing tasks will help students to develop awareness of task and audience while writing for a variety of purposes. Students will study and practice techniques for improving argumentation, organization, and style in their writing. Through short papers, timed writings, and collaboration, students work toward a capstone research paper and the AP exam administered in May. The exam tests advanced critical reading and language competency through multiple-choice questions and a rigorous timed writing section. AP Exam scores of 5, 4, or 3, depending on the university, can count for college credit. AP courses at West Perry are given a weight of 1.10.

1355 AP® ENGLISH LITERATURE AND COMPOSITION

Grade – 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite - 90% average or better in English courses or teacher recommendation

In this college-level course, students will learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods. Students will explore literary elements such as a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone. Students will develop writing skills through expression of ideas and analysis in expository, analytical, and argumentative essays. Through short papers, timed writings, and collaboration, students work toward a capstone research paper and the AP exam administered in May. The exam tests advanced critical reading and language competency through multiple-choice questions and a rigorous timed writing section. AP Exam scores of 5, 4, or 3, depending on the university, can count for college credit. AP courses at West Perry are given a weight of 1.10.

0914 ENGLISH 12 - RESOURCE

Grade- 12 6 periods/cycle Credit 1 Full Year
Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction to focus on literacy skills in all four basic areas: reading, writing, speaking, and listening. Major units include career preparation, drama study, literature study, and debate. Students will complete some formal analysis writing as well as technical writing. This course emphasizes soft skills and productivity skills that are essential in the workplace.

1320 LITERATURE FOR LIFE*

Grade - 12 6 periods/cycle Credit 0.5 Semester
Prerequisite –American Literature

This course focuses on literacy skills in all four basic areas: reading, writing, speaking, and listening. Major units include literature study and debate. Students will complete some formal analysis writing. This course emphasizes soft skills and productivity skills that are essential in the workplace. This course may be taken in conjunction with 1270 Career Writing and Readiness.

1410 SCIENCE FICTION*

Grade- 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of 1 year of English

This course explores the popular genre which uses science or pseudo-science in the creation of sci-fi novels, stories, television series, films and comics. This course may be taken in conjunction with 1270 Career Writing and Readiness OR 1320 Literature for Life.

1420 MYTHOLOGY*

Grade 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of 1 year of English

This course examines myths and their influence on the human experience, language, superstitions, and archetypes. This course to be taken in conjunction with 1270 OR 1320 Literature for Life.

1430 SHORT STORIES*

Grade 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of 1 year of English

This course examines the art of the short story. The course offers a look at the history of the short story, the elements within the short story, and the craft of composing a short story. Students will read several short stories from a variety of authors and time periods. This course to be taken in conjunction with 1270 OR 1320 Literature for Life.

1460 INTRODUCTION TO FILM*

Grade 9,10,11,12 6 periods/cycle Credit .5 Semester
Prerequisite-None

This course examines the artistic and social power of film as a medium of audio-visual communication. The course offers a systematic view of how cinema tells stories, organizes information, and creates unique aesthetic and social experiences. It integrates tenants of history, sociology, and film analysis. Many different genres of film will be used throughout. This course to be taken in conjunction with 1270 OR 1320 Literature for Life.

1260 CREATIVE WRITING

Grade – 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of 1 year of English

This course will offer the student the opportunity to experiment with creative expression. Various elements of creative writing will be analyzed and emulated such as imagery, voice, character creation, setting, and story. The process of editing and revising work as a result of constructive feedback will also be an integral part of this class. Throughout this course, examples will be given, shared, and critiqued for each area of focus, and course material will center on strengthening one's confidence and abilities as a writer while exploring outlets for one's work such as scholarships and contests.

1336 INTRODUCTION TO DRAMA

Grade - 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of 2 years of English

This course is designed as a general introduction to various aspects of theater production with an emphasis on improvisation skills. Students will closely interact with one another while studying various areas of acting and theater. Each student will be required to present at least one prepared monologue and several directed scenes, one of which the student will direct classmates as performers. Class participation is heavily stressed. The culminating activity is a student chosen, directed, produced and performed play for an evening audience.

1338 JOURNALISM I

Grade – 9, 10, 11, 12 6 periods/cycle Credit .5 Semester

This course is designed to introduce students to journalism and to develop within the student the ability to be an effective writer, reader, and researcher. Students will study and perform tasks relative to elements of news, features, sports and headline writing as well as production techniques. As reporters, students will become directly involved in actual activities and events at West Perry High School. Journalism students will create articles for the digital school magazine, The Whip, and submit stories and photos for monthly publication.

1339 JOURNALISM II

Grade – 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite - 85% in 1338 JOURNALISM I

This course will continue the development of skills learned in Journalism I. These students will serve as writers and editors of The Whip webpage. Students may elect to pursue additional areas in media, including photojournalism, film theory, and computer/webpage design. Layout design and editing will be stressed. Individual initiative is required as this course meets concurrently with the Journalism I course and students will be independently exploring various media of interest. Students will develop communication and critical thinking skills in order to produce the school paper and the daily announcements.



FOREIGN LANGUAGE



6030 SPANISH I

Grade - 9,10,11,12 6 periods/cycle Credit 1 Full Year
Emphasis - This is an academic, college preparatory course and strong English skills are necessary.

This course concentrates on first year basic vocabulary comprehension, listening and speaking skills, and grammatical concepts. The student will be expected to conjugate verbs in the present tense, agree nouns and adjectives, complete speaking assignments, and actively participate in varied classroom activities. The content will be delivered through thematic units concerning the calendar, family and home, classes and hobbies, food, and sports and activities.

6040 SPANISH II

Grade – 9,10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 6030 SPANISH I and 75% or better in Spanish I

The study of vocabulary and grammar is continued. A more precise knowledge of basic grammatical rules will be emphasized. Different verb tenses, such as the present progressive, the false future, and the preterit are introduced. Pronunciation is refined. The writing of more extensive sentences and paragraphs is stressed. Content will be introduced through thematic units concerning health, activities, places and events, shopping, travel, and daily routines.

6050 SPANISH III

Grade – 10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 6040 SPANISH II and 80% or better in Spanish II.

Emphasis is on reading comprehension, communication, and a precise knowledge of Spanish grammar. These will include, but not be limited to, the future, conditional, irregular preterit, imperfect, and perfect tenses, passive voice, double object pronouns, formal and informal commands, and an introduction to the subjunctive tense. Content will be introduced through thematic units concerning travel and transportation, dining and cuisine, holidays, technology, lifestyle and self-care. Culture and literature will also be explored through the use of authentic and academic texts. Students are expected to use the target language (Spanish) for class discussion and participation.

6060 SPANISH IV - HONORS

Grade – 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite - 6050 SPANISH III and 85% or better in Spanish III.

This is an immersive course with exclusive instruction in the target language (Spanish), and the student is expected to communicate using the target language as well. The student will also speak, read, and write in Spanish synthesizing the different grammatical structures acquired in the previous Spanish courses. Spanish and Latin American history and culture will be explored through thematic chapters, and advanced language structures will be introduced.



HEALTH/PHYSICAL EDUCATION



0010 WELLNESS AND FITNESS –Male
0020 WELLNESS AND FITNESS – Female

0011 WELLNESS AND FITNESS/CPAVTS -Male
0021 WELLNESS AND FITNESS/CPAVTS - Female

Grade - 9,10,11,12 6 periods/cycle Credit .5 Semester (CPAVTS – Full Year)
Prerequisite – None

Wellness and fitness is required every year. Students are encouraged to participate to the best of their ability. The concept of physical activity as a basic path to physical, emotional, and social development is stressed. Through active participation, students will develop their attitudes of sportsmanship, cooperation, courtesy, responsibility, interpersonal skills and an appreciation of the skills of other students. An understanding of the strategies used in participation is an integral part of the four year program. Health topics are integrated into the course including STDs, drug and alcohol education, and other current health and social issues that students face today.

0013 FIRST AID/CPR/EMERGENCY PREPAREDNESS

Grade- 10,11,12 6 periods/cycle Credit .5 Semester
Prerequisite-None

This course covers first aid, CPR, basic wilderness and survival skills and general safety. Attaining American Red Cross certification in community first aid and safety (first aid and CPR for adult, child, and infant) is being explored.

0036 MOVEMENT TO MUSIC

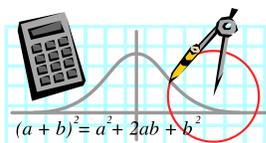
Grade- 11,12 6 periods/cycle Credit .5 Semester
Prerequisite-None

Students will learn, demonstrate and understand components of Movement to Music. The goal is to encourage students to improve their fitness level by learning life-long fitness activities that involve music. Activities will include, but are not limited to, Yoga, Zumba, Step Aerobics, Square Dancing, Culture Dancing, Walking, Pedometers, Heart Rates, and Nutrition. This course may count as a Wellness/Fitness credit or an Elective Credit.

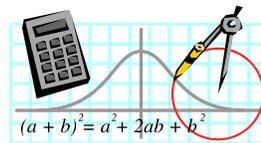
0038 OUTDOOR EDUCATION

Grades- 11,12 6 periods/cycle Credit .5 Semester
Prerequisites- None

Students will learn, demonstrate and understand the components of outdoor fitness and recreation. The goal will be for students to become motivated to not only learn about and enjoy the outdoors but incorporate outdoor activities into their future lifestyles. Other aspects will include Pennsylvania outdoor history, bird, tree and mammal identification, hands on archery, canoeing, fishing, conservation and environment issues, guest speakers, survival, safety, hiking, and an unlimited list of outdoor opportunities.



MATHEMATICS



GRAPHING CALCULATORS ARE AN INTEGRAL PART OF MANY OF THE MATH COURSES. IF YOU ARE PLANNING TO PURCHASE A CALCULATOR, PLEASE ASK A MATH TEACHER FOR A RECOMMENDATION.

Suggested Course Sequencing

<u>Career</u>	<u>Tech School</u>	<u>College</u>
Algebra I	Algebra I	Algebra I
Geometry	Geometry	Geometry CP or H
Consumer Math/Applied Personal Finance	Algebra II Non-STEM	Algebra II (Non-STEM or STEM) or Algebra II H
Algebra I Keystone ELO	Algebra III	Pre-Calc or Pre-Calc H
	Consumer Math/Applied Personal Finance	Probability and Statistics
		Discrete Mathematics
		Calculus

3020 ALGEBRA IA

Grade – 9

6 periods/cycle

Credit 1

Full Year

Prerequisite - None

This is the first course in a two-year program that provides a comprehensive coverage of Algebra 1 topics aligned to meet the state standards. Algebra IA introduces the following algebraic concepts: numbers and operations, using formulas, solving and graphing linear equations and inequalities, solving and graphing systems of equations and inequalities. As topics are introduced and developed, students experience concepts through real-world applications.

3021 ALGEBRA IB

Grade -9,10,

6 periods/cycle

Credit 1

Full Year

Prerequisite – Algebra IA

This is the second course in a two-year program that provides a comprehensive coverage of Algebra 1 topics aligned to meet the state standards. Students will take the Algebra 1 Keystone Exam following completion of this course. Algebra IB reviews Algebra 1A topics and introduces the following algebraic concepts: systems of equations, non-linear functions, polynomials and factoring, quadratics, and probability and statistics. As topics are introduced and developed, students experience concepts through real-world applications.

3250 ALGEBRA I – Level II

Grade - 9,10

6 periods/cycle

Credit 1

Full Year

Students will take the Algebra 1 Keystone Exam following completion of this course. Applications of the mathematics to the real world will be explored using modeling. Topics include: real numbers and operations, writing and simplifying algebraic expressions, solving and graphing linear equations and inequalities, writing the equations of lines, systems of equations and exponents. Linear modeling with linear regression will also be included. Data analysis and statistics components are integrated throughout the course.

0922 ALGEBRA IA - RESOURCE

Grade- 9

6 periods/cycle

Credit 1

Full Year

Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction to provide a comprehensive coverage of Algebra 1 topics aligned to meet the state standards. Algebra IA introduces the following algebraic concepts: numbers and operations, using formulas, solving and graphing linear equations and inequalities, systems of equations, probability and statistics. As topics are introduced and developed, students experience concepts through real-world applications.

0931 ALGEBRA IB - RESOURCE

Grade- 10

6 periods/cycle

Credit 1

Full Year

Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction to provide the second course in a two-year program that provides a comprehensive coverage of Algebra 1 topics aligned to meet the state standards. Students will take the Algebra 1 Keystone Exam following completion of this course. Algebra IB introduces the following algebraic concepts: systems of equations, non-linear functions, polynomials and factoring, quadratics, and right angle relationships. As topics are introduced and developed, students experience concepts through real-world applications.

3022 GEOMETRY – Level I

Grade – 10,11,12

6 periods/cycle

Credit 1

Full Year

Prerequisite – Algebra IB

This is a one year course in geometry that provides a comprehensive coverage of Geometric topics aligned to meet the state standards. Geometry introduces the following geometric concepts: basic fundamentals of geometry, reasoning and proofs, parallel lines, triangles, congruent and similar triangles, quadrilaterals, circles, and calculations of area, surface area, and volume. As topics are introduced and developed, students experience concepts through real-world applications.

3150 APPLIED PERSONAL FINANCING

Grade -11,12

6 periods/cycle

Credit .5

Semester

This course is designed for students interested in taking a consumer based math, but would prefer a half credit in the place of the full credit Consumer Math course that is also offered. Students will apply basic skills in mathematics to everyday problems they will encounter as adults. The emphasis will be upon making wise decisions as a consumer and increasing knowledge pertaining to personal finance. Topics will include: an introduction to budgeting, expenses (recurrent, necessary, and discretionary), income/taxes, and savings/checking accounts.

3200 CONSUMER MATH

Grade -11,12

6 periods/cycle

Credit 1

Full Year

Students will apply basic skills in mathematics to everyday problems they will encounter as adults. The emphasis will be upon making wise decisions as a consumer and increasing knowledge pertaining to personal finance. Topics will include: gross pay and net pay, income taxes, purchasing consumer goods, banking services, insurance costs and benefits and housing costs.

0932 MATH 11 - RESOURCE

Grade- 11

6 periods/cycle

Credit 1

Full Year

Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction to apply basic skills in mathematics to everyday problems they will encounter as adults. The emphasis will be upon making wise decisions as a consumer and increasing knowledge pertaining to personal finance. Topics will include: gross pay and net pay, income taxes, purchasing consumer goods, banking services, insurance costs and benefits and housing costs.

0933 MATH 12 - RESOURCE

Grade- 12

6 periods/cycle

Credit 1

Full Year

Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction to apply basic skills in mathematics to everyday problems they will encounter as adults. The emphasis will be upon making wise decisions as a consumer and increasing knowledge pertaining to personal finance. Topics will include: gross pay and net pay, income taxes, purchasing consumer goods, banking services, insurance costs and benefits and housing costs.

3900 ALGEBRA I KEYSTONE ELO

Grade 10, 11 6 periods/cycle Credit .5 Semester
Prerequisite - Non-proficient status on Algebra I Keystone Exam/Teacher Recommendation

This course designed for students who do not score proficient on the Algebra I Keystone Exam or are looking for an Extra Learning Opportunity in math in order to improve their chances of scoring proficient on the Keystone Exam. This course covers and highlights the Algebra 1 Keystone Assessment Anchors set forth by PDE. Proficiency on the Keystone Exam is a state graduation requirement.

3255 ALGEBRA II – Level I (Non-STEM)

Grade - 9,10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite – Algebra IB

The goals of this course are development and application of problem solving techniques, and development of logical thinking for the student who may wish to further his/her studies in college in the fields of Humanities, Art, Communications, Law/Criminal Justice, or Sports Management/Physical Therapy. Topics studied will include an expansion of linear and quadratic relations and functions and an introduction to polynomial, radical, exponential, logarithmic, and rational relations and functions. As topics are introduced and developed, students experience concepts through real-world applications.

3260 ALGEBRA II – Level II (STEM)

Grade - 9,10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite – 70% in Algebra IB or Algebra I – Level II
Proficient on the Algebra 1 Keystone

The goals of this course are development and application of problem solving techniques, and development of logical thinking for the student who desires to further his/her study of math. Topics include: Expansion of Algebra I concepts, operations and applications of matrices, data analysis, statistics, probability, and studies of various functions including quadratic, polynomial, radical, exponential, logarithmic, rational, and trigonometric. This course requires summer work.

3270 ALGEBRA II – Level III (Honors Level)

Grade - 9,10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 90% in Algebra IB/Algebra I – Level II or Teacher Recommendation
Proficient on the Algebra 1 Keystone

This course is designed to prepare students for advanced math and is taught at an accelerated rate. The general goal is to develop algebraic skills and be able to apply them. Topics include: operations and applications of matrices, data analysis, statistics, probability, and studies of various functions including quadratic, polynomial, radical, exponential, logarithmic, rational, and trigonometric. Students will go into greater depth and be expected to solve more challenging problems. This course requires summer work.

3280 GEOMETRY – Level II

Grade – 9,10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 70% in Algebra IB Algebra I – Level II
Proficient on the Algebra 1 Keystone

This course is designed to further develop the basic geometrical concepts that have been studied in earlier courses. It will also introduce more advanced concepts necessary for the student to pursue advanced math courses. Topics include: basic properties and definitions, types of proofs, properties of polygons and circles, areas and volumes of 2 and 3 dimensional figures, basic trigonometry and coordinate geometry, constructions and transformations. Problem solving is emphasized. This course requires summer work.

3290 GEOMETRY – Level III (Honors Level)

Grade – 9,10,11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 90% in Algebra IB Algebra I – Level II or Teacher Recommendation
Proficient on the Algebra 1 Keystone

In addition to the curriculum followed in 3280 Geometry, this course will include a unit of logic and locus/loci problems and related constructions. Students will be expected to solve more challenging problems and to go into more subject depth. This course requires summer work.

3265 ALGEBRA III – Level II

Grade ~ 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite - 80% in Algebra II and a passing score on the Algebra II Final Exam

This course is designed for college bound students who will not be entering the field of mathematics, science, or business requiring the higher level of mathematics associated with pre-calculus or calculus. This advanced algebra course will focus on the following topics: Exponential and Logarithmic Functions, Rational Functions, Conic Sections, Sequences and Series, Trigonometric Functions, and Trigonometric Identities and Equations. This course requires summer work.

3300 PRE-CALCULUS – Level II

Grade - 11,12 6 periods/cycle Credit 1 Full Year
Prerequisite – 80% in Algebra II –Level II or Level III
Algebra III – level II

This course is designed for the advanced math student. All students interested in pursuing a career in math, science or computer science should take this course. Topics taught will include: linear programming, various types of functions and inequalities (including exponential, logarithmic and polynomials), trigonometric functions, equations and applications, sequence and series. Application problems will be emphasized and students are strongly encouraged to purchase a graphing calculator. This course requires summer work.

3350 PRE-CALCULUS – Level III (Honors Level)

Grade - 11,12	6 periods/cycle	Credit 1	Full Year
Prerequisite -	90% in Algebra II – Level II 75% in Algebra II – Level III 80% in Algebra III – Level II or Teacher Recommendation		

This course is designed for the accelerated math students. It follows the same curriculum as 3300 Pre-Calculus and adds advanced trigonometric, combinatorics, probability, conic sections and polar coordinates as time allows. Students will go into greater depth and be expected to solve more challenging problems. This course requires summer work.

3400 PROBABILITY AND STATISTICS (Full Year)

Grade - 11,12	6 periods/cycle	Credit 1.0	Semester
Prerequisite – Algebra II			

This is a year-long advanced math course designed for students who are college bound. All students interested in pursuing a career in math, engineering, science or business will profit from this course. This course introduces statistics as a problem-solving process. The student will build his/her mathematical skills through investigations of different ways to organize and represent data and describe and analyze variations in data. The student will come to understand the concepts of descriptive statistics, regression modeling of two variables, probability distribution, inferential statistics, multiple regression and Analysis of Variance (ANOVA). Students will complete a culminating statistical writing project.

3410 PROBABILITY AND STATISTICS (½ Year)

Grade - 11,12	6 periods/cycle	Credit 0.5	Semester
Prerequisite – Algebra II			

This is a semester advanced math course designed for students who are college bound. All students interested in pursuing a career in math, engineering, science or business will profit from this course. This course introduces statistics as a problem-solving process. The student will build his/her mathematical skills through investigations of different ways to organize and represent data and describe and analyze variations in the data. Through practical examples, the student will come to understand the concepts of descriptive statistics, regression modeling of two variables, probability, and inferential statistics.

3420 DISCRETE MATHEMATICS

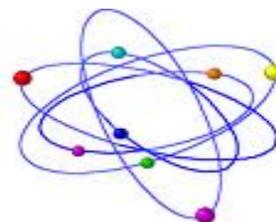
Grade - 11,12	6 periods/cycle	Credit 1	Full Year
Prerequisite – Pre-Calculus			

This course will provide students with an understanding of an array of mathematical concepts and methods which form the foundation of modern information science, in a form that will be relevant and useful for all students, especially those who wish to pursue a degree in Computer Information Systems. Topics will include, but not be limited to, Boolean logic, combinations and permutations, Model Theory, Boolean algebra, basic number theory and the study of binomial coefficients.

3450 CALCULUS – Level III (Honors Level)

Grade - 11,12 6 periods/cycle Credit 1 Full Year
Prerequisite - 80% in Pre-Calc – Level II with a passing exam score on the Final Exam
Pre-Calc – Level III with a passing exam score on the Final Exam
Teacher Recommendation

This course will be an introduction to calculus. Algebraic skills will be emphasized along with some theory. Several laboratory experiments will be used to develop the major topics of: limits, and differentiation and integration. Included will be the use of the CBL (time permitting). A graphing calculator is recommended for this course.



SCIENCE

Sequence of Core Courses

<u>Career</u>	<u>Tech School</u>		<u>College</u>
General Science	General Science	Biology I*	Biology I*
Biology I	Biology I	Chemistry CP or Chemistry H	Chemistry CP or Chemistry H
-Chemistry -Ag Science -Career Focused Electives	-Chemistry -Earth Science -Career Focused Electives	-Advanced Bio -Career Focused Electives	-Advanced Biology - AP® Biology - AP® Chemistry -Anatomy and Physiology

*Students must have completed Algebra I in 8th grade to take Biology in 9th grade

4060 GENERAL SCIENCE

Grade – 9 6 periods/cycle Credit 1 Full Year
Prerequisite ~ None

This course is designed to support students who will take the Keystone Biology Course and Keystone Biology Exam. This course will address the State Science Standards in Science and Technology and Environment and Ecology and Biology. Topics will include but are not limited to overviews of basic chemistry, ecology, evolution, and scientific method.

0946 RESOURCE GENERAL SCIENCE

Grade – 19 6 periods/cycle Credit 1 Full Year
Prerequisite – Teacher Recommendation

This course is designed to support students who will take the Keystone Biology Course and Keystone Biology Exam. This course will address the State Science Standards in Science and Technology and Environment and Ecology and Biology. Topics will include but are not limited to overviews of basic chemistry, ecology, evolution, and scientific method. Placement in this course is determined by the IEP team.

4125 BIOLOGY I

Grade – 9, 10 6 periods/cycle Credit 1 Full Year
Prerequisite – 9th Grade: Algebra I. (To take this course in Grade 9, students must demonstrate proficiency on the Alg I Keystone Exam in 8th Grade.)
10th Grade: General Science

This course is designed for students who will take the Biology Keystone Exam and will address the State Science Standards in Science and Technology and Biology. It is divided into several main topics with one third of the course spent on laboratory work. Topics presented are the scientific method, the chemical basis of life, cell structure and function, genetics, evolution, and ecology.

4140 BIOLOGY I - HONORS

Grade - 9, 10 6 periods/cycle Credit 1 Full Year
Prerequisite – Algebra I Keystone Exam proficiency and Teacher Recommendation

This course is similar to 4125 Biology I, except it is taught as an honors course with more in-depth content and labs and an emphasis on critical thinking skills. At the conclusion of this course, students will take the Biology Keystone Exam. It is divided into several main topics with one third of the course spent on laboratory work. Topics presented are the scientific method, the chemical basis of life, cell structure and function, genetics, evolution, and ecology.

0942 RESOURCE BIOLOGY I

Grade – 10 6 periods/cycle Credit 1 Full Year
Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction and will address the State Science Standards in Science and Technology and Biology. Topics presented include: the scientific method, the chemical basis of life, cell structure and function, photosynthesis and respiration, genetics, and evolution. Placement in this course is determined by the IEP team.

4020 EARTH SCIENCE

Grade - 10, 11 or 12 6 periods/cycle Credit 1 Full Year
Prerequisite – None

This course is designed for non-college bound students and will address the State Science Standards in Science and Technology and Environment and Ecology. The focus of study is the Earth and the universe around it. Topics covered include: Earth processes including current theories of tectonics, geology, origins of the universe and Earth. Topics also include air pollution and climate change, natural resources, and energy development.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

4030 EARTH SCIENCE - CP

Grade - 10, 11 or 12

6 periods/cycle

Credit 1

Full Year

Prerequisite – None

This course is designed for college bound students or students who have shown a high proficiency in science and will address the State Science Standards in Science and Technology and Environment and Ecology. The focus of study is the Earth and the universe around it. Topics include: Earth processes and current theories of tectonics, geology, and origins of the universe and Earth. Topics also include air pollution and climate change, natural resources, and energy development.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

4310 CHEMISTRY

Grade – 10, 11, 12

6 periods/cycle

Credit 1

Full Year

Prerequisite - Biology

This course illustrates the practical application of chemistry principles in an approachable and hands-on manner. The major topics are basic chemistry, properties of energy and matter, the applications of electron movement, chemical reactions, gases, and acids/bases. Lab work will be required.

4210 CHEMISTRY CP

Grade – 10, 11, 12

6 periods/cycle

Credit 1

Full Year

Prerequisite - Biology and Algebra I Keystone Exam Proficiency or by teacher approval.

This is a course designed for college bound students who are not planning on a career in science, medicine, or engineering. Experimental and theoretical aspects of chemistry are explored. This class will contain many mathematical formulas and calculations that will require a heavy use of Algebra I skills. Topics covered include atomic and electron structure; chemical bonding, reactions, and quantities; solution concentration; and the gas laws. Extensive laboratory work is required and weighted heavily.

4240 CHEMISTRY - HONORS

Grade – 10, 11, 12

6 periods/cycle

Credit 1

Full Year

Prerequisite - Biology and Algebra I Keystone Exam Proficiency and 88% average in previous science courses or by teacher approval.

This is a course designed for college bound students who are considering on a career in science, medicine, or engineering. This course is similar in content to 4210 CP Chemistry; however, topics will be explored faster, more in-depth, and with a greater emphasis on critical thinking skills. Students will be required to submit formal lab reports after experimentation. Time permitting, additional topics of equilibrium and thermochemistry will be included. Summer packet work in the scientific method, basic atomic structure, and the periodic table will be required.

4245 AP® CHEMISTRY

Grade – 11, 12 6 periods/cycle Credit 1 Full Year

Prerequisite – Teacher Recommendation. Students will be required to provide transportation to Susquenita roughly every other day.

Please be aware that this chemistry course is a difficult course. Many students that have signed up for this course must be willing to dedicate a large amount of their time outside of school to the task of learning chemistry to this degree. It is estimated that some will spend at least one hour outside of school for each day in class. Much of the time will be in research and producing professional grade documents for class. Therefore, the student should have a great deal of organizational skills and academic ethics. You will be required to read and become skilled at many chemistry concepts before they are approached in class. Please review the guidance office policies for dropping classes before you commit yourself to this course. The prerequisites for Chemistry are successful completion of algebra and biology. For Advanced Placement Chemistry the student should have an average of 93% in each of the following classes: Chemistry, Biology, and Algebra II. If you are below this in any area please review the seriousness of this endeavor.

4150 AP® BIOLOGY

Grade – 11, 12 6 periods/cycle Credit 1 Full Year

Prerequisite - 93% in Biology and CP/HONORS Chemistry or instructor recommendation

AP Biology is based on four fundamental ideas in biology including evolution, free energy, information, and systems. This is a rigorous course and students who sign up for this course must be willing to dedicate a large amount of their time outside of the classroom to learn the material. It is estimated that some will spend at least one hour outside of school for each day in class. Students will be required to read and outline much material outside of class. Also students will be required to do some lab work/class work over non-club days.

(This course is offered bi-annually next offerings include 2020/2021 and 2022/2023)

4330 PHYSICS - HONORS

Grade – 10, 11, 12 6 periods/cycle Credit 1 Full Year

Prerequisite – 88% or higher in ALGEBRA II – CP or HONORS and enrolled in advanced math

This course is designed for the college bound student with an interest in a math/science career. The course encourages students to view physics as an ongoing process which leads to an understanding of the universe. Study centers on mechanics, waves, heat, light, electricity, and magnetism. Students master concepts through computer and laboratory work, challenging exercises, and textual materials. This course uses higher level math as a basis for concept understanding.

4340 ADVANCED BIOLOGY – HONORS

Grade – 11, 12 6 periods/cycle Credit 1 Full Year

Prerequisite - 88% in Biology and CP/HONORS Chemistry or instructor recommendation

This is an advanced biology course focusing on basic organic chemistry, molecular biology, genetics, human anatomy and physiology. This course provides students with laboratory experiences, including a fetal pig dissection. This course is recommended for students considering a biological science major or related field in college.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

4345 ANATOMY AND PHYSIOLOGY - HONORS

Grade – 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite – Biology and Chemistry; instructor recommendation

This is an elective biology course which highlights human anatomy and physiology. This course provides students with laboratory experiences, including a fetal pig dissection. This is recommended for students planning to enter the medical field (i.e., nursing).

(This course is offered bi-annually next offerings include 2020/2021 and 2022/2023)

4550 FORENSICS SCIENCE

Grade – 10, 11, 12 6 periods/cycle Credit 0.5 Semester
Prerequisite – Biology

This course focuses on the collection, identification and analysis of crime scene evidence. Emphasis will be placed on the methods that link suspect, victim, and crime scene. Laboratory exercises will include finger printing, handwriting analysis, ballistics, blood typing, hair and fiber examination, and DNA analysis. Case studies and current events will be explored.

4670 MARINE SCIENCE

Grade – 10, 11, 12 6 periods/cycle Credit 0.5 Semester
Prerequisite – Biology

Students will learn about the chemistry of the ocean, the diversity of ocean life, marine ecology, and the impact that humans have on the world's oceans. Students will review the structure of water molecules and learn about the composition of sea water. Marine organisms that are studied will include microbes, plant life, invertebrates, and vertebrates. Students will also learn about many ecosystems within the world's oceans, and how biotic and abiotic factors interact within these ecosystems as well as explore human impacts on marine ecosystems including overexploitation, types of pollution, and climate change.



SOCIAL STUDIES

Sequence of Core Courses

<u>Career</u>	<u>Tech School</u>	<u>College</u>
US History I (Level I)	US History I (Level I or II)	US History I (Level II)
US History II*(Level I)	US History II (Level I or II)*	US History II (Level II) or US History II (Level III)
Topics in Modern World History I**	Topics in Modern World History (Level I** or II)	Topics in Modern World History (Level II**) or Topics in Modern World History (Level III)
American Government I	American Government (I or II)	American Government II or American Government AP®

* CPAVTS - American History

** CPAVTS - World History

0951 UNITED STATES HISTORY I - RESOURCE

Grade – 9 6 periods/cycle Credit 1 Full Year
Prerequisite – Teacher Recommendation

This course is designed for students requiring small group instruction and will explore our English heritage, causes of our separation from England, the Revolutionary War, formation of the U.S. government, causes of the Civil War, the Civil War, and Reconstruction. Placement in this course is determined by the IEP team.

2120 UNITED STATES HISTORY I (Level I)

Grade – 9 6 periods/cycle Credit 1 Full Year
Prerequisite – None

The mission of this course is to instill in the student an appreciation and knowledge of the people and events that have shaped our nation: Our English heritage, causes of our separation from England, the Revolutionary War, formation of the U.S. government, causes of the Civil War, the Civil War, and Reconstruction. Added dimensions include an emphasis on how people lived, major personalities, the link between geography and history, and how technology has changed our lives. Reinforcement of language arts skills is also emphasized.

2130 UNITED STATES HISTORY I (Level II)

Grade – 9 6 periods/cycle Credit 1 Full Year
Prerequisite – Eighth grade social studies average of at least 85%

This course is recommended for those students who plan to further their education. Analytical examination of American history and its relationship to society today are emphasized. Topics to be covered include: Our European heritage, causes of our separation from England, the Revolutionary War, formation of our government, causes of the Civil War, the Civil War, and Reconstruction. Added dimensions include an emphasis on how people lived, major personalities, the link between geography and history, and the influence of technology on our lives. Course work involves simulations, note taking, outside reading, research, and oral presentations. Reinforcement of language arts skills is also emphasized.

0952 UNITED STATES HISTORY II - RESOURCE

Grade – 10 6 periods/cycle Credit 1 Full Year
Prerequisite –US History I RES/Teacher Recommendation

This course is designed for students requiring small group instruction and will continue where US I left off. Content areas examine the post-Civil War era, the rise of industrialism as well as Westward Expansion. Further study will track the development of America as a world power, resulting in power conflicts from the turn of the century to the present. Placement in this course is determined by the IEP team.

2220 UNITED STATES HISTORY II (Level I)

Grade – 10 6 periods/cycle Credit 1 Full Year
Prerequisite –US History I.

The story of America continues in this sequel to U.S. History I. Content areas examine the post-Civil War era, the rise of industrialism as well as Westward Expansion. Further study will track the development of America as a world power, resulting in power conflicts from the turn of the century to the present. The interrelationship of history and social change will be explored. Reinforcement of language arts skills is also emphasized.

2230 UNITED STATES HISTORY II (Level II)

Grade – 10 6 periods/cycle Credit 1 Full Year
Prerequisite –US History I CP

For the college-bound student, this course offers an expansive view of how modern America came to be. Beginning with the post-Civil War era, students will travel along the national path to the America we know today. The course examines social issues, economic growth cycles, literature, the arts, popular culture, and foreign policy. Guided research, writing, and reading of diverse primary and secondary sources are skills offered for collegiate success.

2240 UNITED STATES HISTORY II – Level III

Grade – 10 6 periods/cycle Credit 1 Full Year
Prerequisite – US History I CP with an average of at least 90% and recommendation from current Social Studies teacher.

This course is designed for the advanced college preparatory student who seeks challenges and is capable of learning at an accelerated rate. Students are expected to have proficient writing skills since emphasis will be placed on improving writing and researching skills. Sharing of ideas and critical thinking are also vital to the course so class discussion will be assessed. Students are expected to go beyond accumulation of facts to higher levels of thinking. Additionally, a major research paper is required. It is similar in content to US History II.

0956 MOD WORLD HISTORY - RESOURCE

Grade- 11 6 periods/cycle Credit 1 Full Year
Prerequisites - US History II –RES/Teacher Recommendation

This course is designed for students requiring small group instruction where they will discover how PA became the focal point of the struggle between empires, and learn about its vital role in the fight for independence and its contributions to the creation of our democratic republic. Also, the four main themes to be examined are “Genocide Across the Globe”, “Conflict in the Middle East”, “Post-Cold War Asia” and “Colonies Become Nations”. Some specific topics will concern the creation of Israel, genocide in Rwanda, the development of Africa, and American interaction in Asia. Placement in this course is determined by the IEP team.

2610 PENNSYLVANIA HISTORY

Grades- 10, 11, 12 6 periods/cycle Credit 0.5 Semester
Prerequisites - US History II

Many states have contributed to our union, but one of the oldest and most important is the Commonwealth of Pennsylvania. In this historic journey, travel back to the Native American tribes that called this area home and meet the first European colonists. Discover how PA became the focal point of the struggle between empires, and learn about its vital role in the fight for independence and its contributions to the creation of our democratic republic. Witness the birth and development of great transportation systems such as the railroads and canals. Learn about the talented men and women from our state who brought us to where we are today, including our veterans from the French & Indian War to Vietnam. Learn how Pennsylvania earned her nickname as the “keystone” state.

2655 TOPICS IN MODERN WORLD HISTORY – Level I

Grade - 11 6 periods/cycle Credit 1 Full Year
Prerequisite –US History II

In their junior year, students will examine a variety of themes concerning the history of modern world society. In acknowledgement of our ever-shrinking globe, these topics will address issues from around the world. Some themes to be examined are genocide, conflict in the Middle East, the growing economic importance of Asia, the political development of South America, and the impact of terrorism.

2665 TOPICS IN MODERN WORLD HISTORY – Level II

Grade - 11 6 periods/cycle Credit 1 Full Year
 Prerequisite –US History II CP

This course is designed for either college bound students or those students who have shown a high proficiency in Social Studies. Content, which is similar to 2655, will be explored in greater detail. Students will complete additional, in-depth projects.

2670 TOPICS IN MODERN WORLD HISTORY – Level III

Grade - 11 6 periods/cycle Credit 1 Full Year
 Prerequisite – Successful completion of US History II CP with at least a 93% average or US History II Honors with at least a 83% average, and, a recommendation from current Social Studies teacher.

This course is designed for the college bound student who is seeking an opportunity to further develop research and analytical skills. Content, which is similar to 2665, will be explored in much greater detail. Students will examine current events within the context of recent history. An emphasis will be placed on the use of primary sources, multiple perspectives, and realistic solutions to various problems.

0953 AMERICAN GOVERNMENT AND ECONOMICS - RESOURCE

Grade 12 6 periods/cycle Credit 1 Full Year
 Prerequisite Modern World History –RES/Teacher recommendation

This course is designed for students requiring small group instruction and will prepare the student to be a knowledgeable citizen of the United States, the Commonwealth of Pennsylvania and his or her local municipality AND offer the student the opportunity to gain a strong working knowledge of the American economic system. Placement in this course is determined by the IEP team.

2520 AMERICAN GOVERNMENT AND ECONOMICS – Level I

Grade 12 6 periods/cycle Credit 1 Full Year
 Prerequisite – Successful completion of Modern World History

This course is designed to prepare the student to be a knowledgeable citizen of the United States, the Commonwealth of Pennsylvania and his or her local municipality AND offer the student the opportunity to gain a strong working knowledge of the American economic system. One part of the course will focus on how to take part in the many levels of government in our participatory society. Students will learn to recognize the different government levels and know the general duties and responsibilities of each level of government. Students will look at how both criminal and civil law systems work, as well as examine our political party system. Finally, students will examine their “unalienable” rights as guaranteed by the Constitution of both or nation and our state. The second part of the course address such topics as supply and demand, business cycles, inflation, government fiscal and monetary policies, business and corporate operations, investing, international finance and trade, marketing, types of economic systems, personal finance and other key economic topics. As part of the course, students are required to attend a local government meeting and complete at least ten hours of community service.

2530 AMERICAN GOVERNMENT AND ECONOMICS – Level II

Grade 12 6 periods/cycle Credit 1 Full Year
Prerequisite – Successful completion of Modern World History CP

This course is designed for college bound students or students who have shown a high proficiency in social studies. The content is similar 2520 with additional reading assignments and projects, including a 6-8 page position paper. As part of the course, students are required to attend a local government meeting and complete at least ten hours of community service. There is also a heavy concentration on college level reading and writing assignments to further prepare students for what they will experience in their college experience.

2545 AP® US GOVERNMENT & POLITICS

Grade - 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite – Successful completion of Topics in Modern World History Honors with at least an 83% average and a recommendation from current Social Studies teacher.

Students who take this class will have the opportunity to earn college credit by taking the AP US Government & Politics test in the spring and are therefore expected to work at a college level. To reflect the students' commitment to this level of work a summer readings are requirements prior to the start of the course. As a college course, AP US Government & Politics involves significant nightly reading and a large volume of information. Students are responsible for their own learning. AP United States Government & Politics is the study of the origins and early development of our government, as well as the influences of political parties, civil rights, interest groups, and the media on elections and government functions. As a result, we will study the principles and theories that molded the Constitution, as well as Supreme Court cases that impacted government function, purpose, and power. We will also study the rights and powers of the American people to participate in, influence, and change the United States' government.

2365 AMERICAN CIVIL WAR

Grade – 11, 12 6 periods/cycle Credit 0.5 Semester
Prerequisite - Successful completion of US History II

The American Civil War was quite possibly the darkest time for the United States. During this course, students will be examining the causes of the war, the major battles, the leaders of both nations, and the aftermath of the war in greater detail than previous history course. Topics such as the life of the soldier, artillery, cavalry, civilians, and medical care will also be examined.

2430 PSYCHOLOGY

Grade - 11,12

6 periods/cycle

Credit 1

Full Year

Prerequisite – Biology with an 88% average or better Successful completion of Biology I with at least a 90% average of Biology Honors with a 83% average, and a recommendation from current Social Studies.

Modern Psychology is defined as the scientific study of human behavior and mental processes. Students in this class can expect to learn about why people act and think the way they do. We will start by studying the human body, its nervous system and our senses, as an introduction to behavior. We will continue by looking at the following areas within psychology: learning, human development, personality, cognition, psychological disorders, and social psychology. This course is designed as an active learning experience with numerous projects and activities in addition to traditional tests. Students will be challenged to participate and put forth their best creative efforts.

2450 AP® PSYCHOLOGY

Grade - 11,12

6 periods/cycle

Credit 1

Full Year

Prerequisite – better Successful completion of Biology I with at least a 90% average of Biology Honors with a 83% average, and a recommendation from current Social Studies.

Students who take this class will have the opportunity to earn college credit by taking the AP Psychology test in the spring and are therefore expected to work at a college level. To reflect the students' commitment to this level of work a summer reading and written paper are requirements due at the start of the course. As a college course, AP Psychology is reading and information heavy so students should be warned about this work load. Psychology is the scientific study of behavior and mental processes. Psychology is not just the ideas and guesses of a casual observer because it relies on the scientific method and empirically supported facts. In keeping with this definition, we will study the principles and theories related to the major fields of psychology that have been verified using scientific and empirical investigation. We will also examine the ethical issues that psychologists face in research and practice.

2550 EARLY EUROPEAN HISTORY

Grade - 11, 12

6 periods/cycle

Credit 1

Full Year

Prerequisite – Successful completion of US History II

This course is designed for the serious student of history who desires preparation for the college experience. The student will explore the history, geography, art, economics and politics of Europe. Emphasis will be placed on the emergence of Europe as a distinct civilization that was a fusion of classical, Christian, and Germanic elements. Periods to be studied include the Middle Ages, the Renaissance, and the Reformation. Concepts such as feudalism and nationalism will be considered as they apply to various stages of European History.

(This course is offered bi-annually next offerings include 2020/2021 and 2022/2023)

2555 MODERN EUROPEAN HISTORY

Grade - 11, 12 6 periods/cycle Credit 1 Full Year
Prerequisite - Successful completion of US History II

This course is designed for the serious student of history who desires preparation for the college experience. The student will examine the history of Europe from the Age of Absolutism through World War I. Areas of focus will include major political and social developments, including the rise of socialist and nationalist movements, imperialism and international relations, the rise of communism in Russia, and the devastation of Europe caused by World War I.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

2600 HOLOCAUST STUDIES

Grade - 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of US History II

This course provides an in-depth look at one of the most horrendous events in recent human history: the slaughter of six million Jewish people and millions of other people during the Nazi era. It strives to combat prejudice and bigotry by transforming the horrors of the Holocaust into positive lessons to help make this a better and safer world for everyone. The course will help the student examine basic moral issues and address a basic tenet of American education, which is to examine what it means to be a responsible citizen. Due to the subject matter of the course, students will be confronted images and ideas that may be offensive to some.

(This course is offered bi-annually next offerings include 2020/2021 and 2022/2023)

2730 WORLD WAR II AMERICA

Grade - 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion US History II

No nation has ever been faced with a greater challenge than the United States in World War II, nor has any nation ever been more unprepared to face it. Yet, the industry and innovation of the American people met the vital challenge and established the foundations of the greatest superpower the world has ever known. Find out how America rose to meet the challenges of fascism and totalitarianism. Discover what life was like for civilians, soldiers, workers, and children. Study the efforts of how the United States Government transformed the lives of Americans in entertainment, propaganda, education, family life, broadcasting, print media, and government services. Participants in this course are required to engage in reconstructing history – through documents, oral histories, interviews, films, and artifacts.

(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

2740 MILITARY HISTORY

Grade – 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – Successful completion of US History I and US History II

This course is a fast paced, in depth look at the reasons why Mankind has been motivated over the centuries to engage in this most destructive of all human endeavors. The course begins with a brief study of the foundations of Western and Eastern modes of warfare. The course will then progress through several military eras from the Dark Ages to the Modern Day. Each segment will focus on the analysis of the historical, political, economic, and most importantly the military science (tactics, weaponry, etc.) that influenced the outcomes of these conflicts. **Good research and reading skills are important**, as the student will be studying the lives of the common soldiers through personal narratives and research projects.

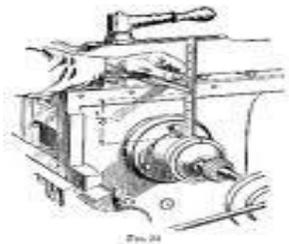
(This course is offered bi-annually next offerings include 2019/2020 and 2021/2022)

2750 WORLD CULTURES

Grade – 10, 11, 12 6 periods/cycle Credit .5 Semester

This course assists students in understanding the diverse populations of the world. The course will examine and compare the political systems, religion, social structures, and economic systems of different cultures. It will also examine the impact of these areas on human culture and the impact of cultural conflict.

(This course is offered bi-annually next offerings include 2020/2021 and 2022/2023)



ELECTIVES



5000 CAREER INTERESTS, SKILLS, AND READINESS

Grade – 9-12 6 periods/cycle Credit .5 Semester
Prerequisite – None

This required course will allow students to meet the requirements set forth in Chapter 339 and will assist students in navigating the future academically, financially, and professionally. Topics covered include professionalism, career readiness, financial literacy, entrepreneurship, and resource management. Students will be able to identify soft skills that will propel them toward success in the global economy. Career exploration will prepare individuals for the changing work environment. Money management will play a key role in the course, helping students to prepare for a secure financial future. Students will be given the tools necessary to be a productive citizen in any community.

5040 PERSONAL FINANCE

Grade – 11, 12 6 periods/cycle Credit .5 Semester
 Prerequisite – None

Personal Finance will explore many areas of interest that will enhance your financial security. The student will discover new ways to maximize their earning potential, explore strategies for managing their resources, and gain valuable knowledge into the different ways of investing. Students will also acquire skills in budgeting, opening and maintaining a checking account, along with knowledge of the time value of money. Students will also benefit from the knowledge gained concerning the many types of insurance and their importance. Students will begin a lifelong journey of personal financial planning.

5050 LAW AND ETHICS

Grade -9, 10, 11, 12 6 periods/cycle Credit .5 Semester
 Prerequisite – None

Law and Ethics will motivate learning with a look at rights and responsibilities as workers, and how concepts of right and wrong and ethics are reflected in our laws. This course stresses the involvement of law and basic rules of conduct in common problems. Topics will include, among others, an understanding of negotiable instruments, contracts, liability, contractual relationships, as well as laws that protect creditors and debtors.

5220 ACCOUNTING I

Grade - 11, 12 6 periods/cycle Credit .5 Semester
 Prerequisite –None

This course teaches accounting theory. Accounting career paths are explored. Good business habits, business ethics, neatness and accuracy in preparing records, and problem solving are skills that are emphasized. Sole proprietorship and partnership for merchandising and service entities, are taught. This course is for students wanting to learn accurate business or personal record keeping.

5265 INTRODUCTION TO BUSINESS AND MARKETING

Grade- 9, 10, 11, 12 6 periods/cycle Credit .5 Semester

Business Communications is an orientation course designed for all students. This course will introduce the student to the world of business and help prepare them for their economic roles of consumer, worker, leader, and citizen. This course will assist the student with business decisions and development. It will focus on building skills such as effective planning and management. General principles are presented through this course and are intended to be a guide in taking your first step into the exciting world of business marketing and leadership.

Potential Computer Science Course Sequencing

<u>Sequence #1</u>	<u>Sequence #2</u>
Programming I (5555)	Introduction to Computer Programming (5920)
Programming II (5655)	Programming I (5555)
AP® Computer Science (5975)	Programming II (5655)
	AP® Computer Science (5975)

5920 INTRODUCTION TO COMPUTER PROGRAMMING

Grade – 9,10,11,12

6 periods/cycle

Credit .5

Semester

Pre-requisites: Algebra IA

This course presents a smorgasbord of computer coding opportunities. It starts out with a taste of HTML 5, the language behind web sites. Web Design and Development would be a follow-up course for the HTML enthusiast. The second language covered is a drag-and-drop icon-based coding language called Scratch. This computer language uses no syntax, but employs many programming concepts. The summative assessment here is coding a simple (or not so simple!) game. The third experience is Lego Robotics. This is also a drag-and-drop language that enables the programmer to affect a real world object, which is a Lego robot that the student will synthesize, build, and program. The summative assessment for this portion of the course is a classroom challenge, where student-programmed robots will complete a rescue course. ROBOTC would be a follow-up course for the robotics enthusiast. Students can elect this course as a Maker Space independent study if they have already taken Web Design and/or other computer programming courses.

5555 PROGRAMMING I

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Semester

Prerequisite - None

This course will introduce the students to an object-oriented programming language, Java, and is intended for students who exhibit a love of mathematics-based problem solving. Topics will include, but are not limited to, primitive variables, the string class, conditional statements, loops and nested loops, and output features. Most projects are done individually although some are completed with a partner. No previous programming experience or skills are necessary, though an interest in mathematics and algebra should be present. This course is an elective for all students.

5655 PROGRAMMING II

Grade - 10,11,12

6 periods/cycle

Credit .5

Semester

Prerequisite -5555 PROGRAMMING I with a grade of 70% or better

This course will explore topics learned in Java I at greater depth, as well as introduce one- and two-dimensional arrays, text files and console interaction. Problem solving will remain the focus of the course. Projects and content may be flexible, dependent upon the students' interests.

5950 ROBOTC

Grade -9, 10, 11, 12

6 periods/cycle

Credit .5

Semester

Prerequisite - None

This course is devoted to problem solving and computer programming using Lego MindStorms Building Sets. The course uses ROBOTC, a derivative of the C programming language, to develop foundation in coding and programming. Hands-on in nature, students will design and build robots to solve problems and program them using C. Students will build robots using LEGO Mindstorms EV3 building sets and program them to perform tasks. ROBOTC is an icon-based, drag-and-drop programming language designed to make coding more inviting and easier to understand, especially for those getting started in computer programming.

5955 ROBOTICS

Grade -9, 10, 11, 12 6 periods/cycle Credit .5 Semester
Prerequisite – 5950 ROBOTC

This course features instruction that begins with engineering and engineering problem solving. Students are introduced to VEX EDR building systems and Autodesk Inventor. Engineering Challenge capstone project - students are required to build robots that play a sport-like game. Curriculum supports robot-build using STEM and Robotics principles. Students compete, head-to-head, with robots they build in the classroom. Successful robots could be entered to compete at VEX Robotics Championship. Additionally, VEX robotic competitions are supported by Technology Student Association at the state level where students are also able to compete. Curriculum is focused on mechatronics, programming is not required, and there are no prerequisites. All learning and troubleshooting is linked to the robot build.

5960 WEB DESIGN PROGRAMMING

Grade – 9,10,11,12 6 periods/cycle Credit .5 Semester
Prerequisite: Algebra IB

This course introduces students to the mechanics and elements of HTML programming as well as using the CSS programming language for the design of static web sites. Students will learn the concepts of planning and organizing websites, and documentation and copyright issues associated with website design. Students will progress through the course, engaging in a variety of project-based assessments to evaluate their understanding.

5975 AP® COMPUTER SCIENCE A

Grade – 11,12 6 periods/cycle Credit 1.0 Full Year
Prerequisite: JAVA I

Students will learn to design and implement computer programs that solve problems relevant to today's society; problems in fields such as engineering, mathematics, media and art. Students will also learn to apply programming tools and solve complex problems through hands-on experiences and examples.

7005 EXPLORING METALWORKING & ELECTRICAL TECHNOLOGY

Grade - 9,10,11,12 6 periods/cycle Credit .5 Semester
Prerequisite - None

Exploring Metalworking and Electrical Technology provides an introduction to various areas of technology education available at West Perry. In this course, students will explore some of the various concepts, materials, and processes by business and industry. Exploring Metalworking & Electrical Technology focuses on various metals, metal working processes, and electrical applications. Exploring Metalworking and Electrical Technology incorporates some basic science, technology, engineering, art, math, and writing skills; coupled with strong-oriented curriculum. Tool and general safety are a major focus; as well as basic problem solving with hands-on activity. This course may be taken alone, or in conjunction with other Exploring Technology courses. (A nominal materials and safety equipment fee may be required for some projects.)

7010 EXPLORING WOOD & PLASTICS TECHNOLOGY

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Semester

Prerequisite - None

Exploring Technology courses provide an introduction to various areas of technology education available at West Perry. In this course, students will explore various concepts, materials, and processes by business and industry. In this course, students will learn the safe operation of tools and machines utilized in the plastics and woodworking industry; as well as material properties. General lab and tool safety are taught, tested, and expected in this course. Connections to math, science, engineering, and technology foster design, problem-solving, and critical-thinking. This course may be taken alone, or in conjunction with other Exploring Technology courses. (A nominal materials fee may be required for some projects.)

7015 EXPLORING GRAPHICS TECHNOLOGY

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Semester

Prerequisite - None

Exploring Technology courses provide an introduction to various areas of technology education available at West Perry. This course emphasizes processes, materials, and techniques used to communicate ideas and information in graphic communications, drafting, architecture, and engineering fields. Connections to math, science, engineering, and technology foster design, problem-solving, and critical-thinking. This course may be taken alone, or in conjunction with Exploring Technology courses.

7020 HOME PROJECTS

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Semester

Prerequisite - None

The course will study the principles and practices dealing with basic home repairs that involve light electrical work, plumbing, finishes, landscaping, appliances, automotive, home safety, and general maintenance. This course is designed as a hands-on course where majority of the class time will be spent constructing projects. General shop and tool safety are taught, tested, and expected where appropriate in this course. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking.

7025 TRANSPORTATION SYSTEMS ENGINEERING AND DESIGN

Grade - 9, 10, 11, 12

6 periods/cycle

Credit .5

Prerequisite - None

This course is devoted to designing, engineering, and problem solving utilizing Technology Student Association (TSA) guidelines for learning activities in dragster design and flight endurance. Students will design, construct, test and evaluate either a CO₂-powered dragster or a rubber-band powered airplane built to solve a real-world problem framed by competition requirements and limitations. At the conclusion of this course students will be able to use their vehicle to qualify and compete at PA-TSA regional competition. Membership in TSA club is not mandatory for this class but is highly recommended. Transportation Systems Engineering and Design is offered only during the fall semester so that the course timeline aligns with the TSA regional competition timeline for those students who choose to compete with the club.

7030 STRUCTURAL ENGINEERING

Grade - 9, 10, 11, 12

6 periods/cycle

Credit .5

Prerequisite – None

This course is devoted to designing, engineering, and problem solving utilizing Technology Student Association (TSA) guidelines for learning activities in structural engineering. Students will design, construct, test and evaluate either a bridge, tower, cantilever, or engineered structure built to solve a real-world problem framed by competition requirements and limitations. At the conclusion of this course students should be able to use their structure to qualify and compete at PA-TSA regional competition. Membership in TSA club is not mandatory for this class but is highly recommended. Structural Engineering is offered only during the fall semester so that the course timeline aligns with the TSA regional competition timeline for those students who choose to compete with the club.

7100 INDUSTRIAL METAL TECHNOLOGY

Grade - 10,11,12

6 periods/cycle

Credit .5

Semester

Recommended Prerequisite - Exploring Metalworking and Electrical Technology

Metals can be cut, machined, bent, formed, melted, welded, soldered, cast and riveted. Students in this course will have the opportunity to perform all of the above operations as they work with various metals. Industrial Metal Technology incorporates moderate science, technology, engineering, art, math, and writing skills; coupled with a strong project-oriented curriculum. Tool and general safety are a major focus of the course; as well as moderate problem-solving skills with hands-on activity. (A nominal materials fee may be required for some projects.)

7110 WOOD TECHNOLOGY

Grade - 10,11,12

6 periods/cycle

Credit .5

Semester

Recommended Prerequisite - Exploring Wood and Plastics Technology

Students will work individually and as a team to produce a product. Cell manufacturing techniques and strategies will enable students of all skill levels to contribute to the building of a product that would normally be challenging and time consuming for one person to build. Projects in this course require more advanced fit, finish, and joinery to achieve a high quality finished product fit for the showroom. Students will be exposed to methods and materials engineering, as well as talent and time management. General lab and tool safety are taught, tested, and expected in this course. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking. (A nominal materials fee may be required for some projects.)

7120 PLASTICS TECHNOLOGY

Grade - 10,11,12

6 periods/cycle

Credit .5

Semester

Recommended Prerequisite - Exploring Wood and Plastics Technology

This course is designed for students with an interest in working with various materials and processes used in the plastic industry. Topics include: thermoforming, vacuum forming, injection molding, rotational molding, casting, and fabrication. Students will be exposed to methods and materials engineering, as well as talent and time management. General lab and tool safety are taught, tested, and expected in this course. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking. (A nominal materials fee may be required for some projects.)

7130 FINE METAL TECHNOLOGY

Grade - 10,11,12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite - Exploring Metalworking and Electrical Technology

The course is designed for students with an interest in working with fine metals and associated techniques. Areas studied will be sheet metal, layout and assembly, hard and soft soldering, casting and forming. Fine Metal Technology incorporates moderate science, technology, engineering, art, math, and writing skills, coupled with strong project-oriented curriculum. Tool and general safety are a major focus of the course; as well as moderate problem-solving skills while working hands-on activity. (A nominal materials fee may be required for some projects.)

7140 CONSTRUCTION TECHNOLOGY

Grade – 10,11,12 6 periods/cycle Credit .5 Semester

Students will study modern building materials and practices and will work on a small construction project. Topics include: blueprint reading, estimating, site preparation, masonry, frame construction, weather proofing, and construction techniques. Construction Technology incorporates moderate science, technology, engineering, art, math, and writing skills; coupled with a strong project-oriented curriculum. Tool and general safety are a major focus of this course; as well as moderate problem-solving with hands-on activity. (A nominal materials fee may be required for some projects).

7150 TECHNICAL SKETCHING

Grade - 10,11,12 6 periods/cycle Credit .5 Semester

This course teaches students how to draw realistic images of objects using drafting tools and techniques. Artistic ability is not a prerequisite, just a desire to be able to draw better. Techniques learned are application to commercial applications including engineering, advertising, and industrial design. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking.

7160 ENGINEERING DRAWING & DESIGN

Grade - 10, 11, 12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite - Exploring Communications Technology

Engineering Drawing & Design is a dedicated drawing experience that provides students with hands-on, minds-on design experience on how mechanical objects are designed and depicted. Mechanical drawing is a method of communicating shapes and specifications by visual means. Techniques and tools used in this course can improve anyone's ability to convey visual information. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking. Students will focus on learning theory, practice, and approach used by professionals by working in a client-based relationship. Conceptual drawing and spatial relationships are emphasized with a focus on purpose, precision, accuracy, and quality. Students with an interest in engineering should consider this course

7175 GRAPHIC COMMUNICATION TECHNOLOGY

Grade - 10,11,12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite - Exploring Graphics Technology

This course is designed to focus on graphic communication processes, such as offset printing and screen printing, to learn and apply practices related to graphic design. Students will create, format, illustrate, design, edit/revise, and print messages. Proofreading, document composition/design, and communication competencies will be reinforced. Projects will be organized with an individual or design team focus where the designer and client relationship is explored. Design tools that capitalize on the use of Chromebooks will be prioritized for this course. Capstone project(s) that capture the theory, practice, and technique used in the field will be used to guide student learning. Technology Student Association (TSA) Promotional Design competitive activity could be explored as framework for learning for interested students. Students considering a career path in a graphic design field should consider taking this course.

7190 ENGINEERING, INNOVATION AND INVENTION

Grade – 10,11,12 6 periods/cycle Credit .5 Semester

Students in this course explore areas of technology and how they came to be. Topics include inventors, power sources, transportation, engineering and communications. General shop and tool safety are taught, tested, and expected, where appropriate, in this course. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking.

7205 COMPUTER AIDED DESIGN (CAD)

Grade – 10, 11, 12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite – Exploring Communications Technology

This course is designed as a dedicated Computer-Aided Design (CAD) experience where students will focus on learning principles and techniques, CAD commands, and the Graphic User Interface (GUI). Conceptual drawing and spatial relationships are emphasized. File maintenance and output are used to prepare designs for printing, plotting, and/or 3D modeling. Students will make use of Chromebooks and Google SketchUp as CAD tools in this class. Prior experience in architectural and/or mechanical drawing systems is helpful. CAD should be considered by students who are planning to take TSA-related engineering courses or who are planning on pursuing engineering as a career path.

7215 ARCHITECTURAL DRAFTING & DESIGN

Grade –11,12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite – Exploring Graphics Technology

Architectural Drafting & Design is a dedicated drafting experience that provides students with hands-on, minds-on design experience on how a house is designed and constructed. Students will study design specifications and building standards and practices through the creation of working drawings. Because drawing tools are used, artistic talent is not required. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking. Students will focus on learning theory, practice, and approach used by professionals by working in a client-based relationship. Conceptual drawing and spatial relationships are emphasized with a focus on purpose, precision, accuracy, and quality. Students considering a career path in building and construction should consider taking this course.

7210 INDUSTRIAL MATERIALS

Grade –11,12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite – One of the following: Wood Technology, Industrial Metal Technology, Diversified Ag Mechanics

This course allows students to explore in greater depth topics covered in previous courses. Emphasis is placed on design, logical planning, and execution. Connections to math, science, engineering, and technology foster design, problem-solving, and critical thinking.

7250 DIGITAL & PRINT MEDIA (DTP)

Grade –10, 11, 12 6 periods/cycle Credit .5 Semester
Recommended Prerequisites – Exploring Communications Technology, Graphic Communication Technology

This course is designed to focus on electronic-based pre-press activity. Students will learn the practices and procedures of designing, creating, and editing publications using standard digital tools and processes. Chromebooks will be used in conjunction with apps like LucidPress, which will give students a platform similar to those used by professionals in the field. Digital photography will be explored as a means to capture images for publishing. Capstone projects for this course include playbills for the fall play and spring musical (fall semester) and/or baccalaureate program for graduation (spring semester). Students considering a career path in a graphic design field should consider taking this course.

7260 DIGITAL AUDIO & VIDEO PRODUCTION

Grade - 10, 11, 12 6 periods/cycle Credit .5 Semester
Recommended Prerequisite – Exploring Communications Technology

Course is designed to focus on electronic-based recording technologies used to capture audio and/or video communication. Students will learn industry-based procedures and processes for producing and editing projects. A combination of Chromebook and laptop technology will be used as tools to optimize the experience. Software and apps like Audacity and iMovie, or their equivalent, will be used to capture, edit, and mix content. Skills such as storyboarding, shooting/recording, editing, blocking/assembling, producing, sequencing, and taking will be covered. Digital photography, microphone mapping, mixing, and mastering will all be explored and practiced. Students who are considering a career path in the recording industry (audio or video) should consider taking this course.

7800 CREATIVE CLOTHING

Grade~ 9, 10, 11, 12 6 periods/cycle Credit 0.5

This course is a basic sewing class with emphasis on reading a pattern, use of the sewing machine, and learning several hand stitches. Students will complete two major sewing projects and will be **required to furnish their own patterns and fabric.**

7830 EXPLORING FOODS

Grade- 11,12

6 periods/cycle

Credit .5

Semester

Prerequisite- None

In this course, students will learn how to prepare a variety of delicious foods incorporating art into their food preparation. This course focuses on measurements, reading and following recipes, proper nutrition and diet, and kitchen safety.

7840 CREATIVE INTERIORS

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Prerequisite - None

Students interested in interior design will enjoy creating floor plans of their “dream house” and other similar projects. Various styles of architecture and housing will be studied as well as different decorating techniques. One of the highlights of this course is creating a small scale version of a room complete with furniture, floor and window treatments, and wall coverings.

7850 EFFECTIVE PARENTING

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Semester

Prerequisite – None

This course will help students to thoroughly examine the lifestyle changes and responsibilities involved in parenthood. Students take a realistic look at the job of parenting and how a baby affects the new parents’ relationship with each other, family, and friends. As part of this course, students are responsible for caring for the computerized baby during a period of 48 hours.

7870 HEALTHY RELATIONSHIPS AND FAMILY LIVING

Grade-10,11,12 6 periods/cycle Credit .5

Prerequisite- None

In this course, students will identify the factors contributing to a satisfying relationship and develop an understanding of mate selection. In addition, all important aspects of a healthy relationship, including communication, dating, love, and family planning will be discussed. An emphasis will be placed on developing within students a greater appreciation of their present homes, from the family living, economic, aesthetic, and practical points of view.

Art Course Offerings

<u>Course</u>	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>
2D Design (8010)	X	X	X
3D Design (8020)		X	X
Ceramics I (8040)	X	X	X
Ceramics II (8041)	X	X	
Sculpture (8050)	X		
Jewelry I (8060)			X
Crafts (8070)	X	X	
Drawing And Composition (8080)			X
Drawing And Painting (8085)		X	
Digital Design (8090)	X		
Painting (8120)			X
Studio (8140)	X	X	X

8010 2-D DESIGN

Grade - 9, 10, 11, 12
Prerequisite – None

6 periods/cycle

Credit .5

This course is available to all students, but is recommended for students who desire to take further two dimensional art courses (Drawing & Composition, Drawing & Painting and Studio). Hands on exploration of two dimensional art styles, such as drawing, painting and printmaking will be the focus of the course.

8020 3-D DESIGN

Grade - 9, 10, 11, 12
Prerequisite – None

6 periods/cycle

Credit .5

This course is available to all students, but is recommended for students who desire to take further three dimensional art courses (Ceramics, Crafts and Studio). Hands on exploration of three dimensional art styles such as sculpture or ceramics will be the focus of the course.

8040 CERAMICS I

Grade – 9, 10, 11, 12
Prerequisite – None

6 periods/cycle

Credit .5

This is a concentrated craft course that involves hand building, sculpture, potter’s wheel, decorative effects and glazing.

8041 CERAMICS II

Grade - 10, 11, 12 6 periods/cycle Credit .5
Prerequisite – 8040 CERAMICS I

This course builds on the basic techniques and processes learned in Ceramics I. New building and glazing techniques will be explored. Advanced planning and projects in sculpture with an emphasis on artistic design and craftsmanship are stressed.

8050 SCULPTURE

Grade – 9, 10, 11, 12 6 periods/cycle Credit .5
Prerequisite – 3-D Design or Crafts

Sculpture will allow the student hands on experience with clay, plaster, paper, and other various materials. Principles of 3-D design are stressed as well as craftsmanship and creativity.

8060 JEWELRY I

Grade – 9, 10, 11, 12 6 periods/cycle Credit .5
Prerequisite – 3-D Design or Crafts

Learn the basics of jewelry design, craft and enameling. Fabrication and soldering techniques in silver, copper, and other metals are taught. Stone setting, enameling, sawing, soldering and polishing will be used to emphasize student designs in metalwork. Student purchase of fine materials may be needed.

8061 JEWELRY II

Grade – 10, 11, 12 6 periods/cycle Credit .5
Prerequisite - 8060 JEWELRY I

This course builds on the basic techniques and processes learned in Jewelry and Enameling I. Glass bead making, riveting, etching and other in depth processes will be taught. Advanced planning and projects in metal and enameling with an emphasis on artistic design and craftsmanship are stressed. . Student purchase of fine materials may be needed.

8070 CRAFTS

Grade - All 6 periods/cycle Credit .5
Prerequisite - None

This is a course that explores a variety of materials and techniques including textiles, basketry, paper, clay, and may also include metal, glass and wood. Design principles will be stressed.

8080 DRAWING AND COMPOSITION

Grade - All 6 periods/cycle Credit .5
Prerequisite – none

This will be a concentrated course that will improve drawing techniques as well as giving the student experience in various styles of drawing and media. A wide range of subject matter involving drawing and composition will be explored.

8085 DRAWING AND PAINTING

Grade -10, 11, 12 6 periods/cycle Credit .5
Prerequisite: 2-D Design or Drawing and Composition

This course builds on basic drawing and painting techniques learned in previous drawing, painting and 2 dimensional design classes. A wide range of drawing and painting mediums will be explored

8090 DIGITAL DESIGN

Grade - 11, 12 6 periods/cycle Credit .5
Prerequisite- 8080 Drawing & Composition and 8010 2-D design

Digital Design will emphasize the elements of color and design that is used in the commercial world. Logos, graphics, and advertisement layouts will be explored through Photoshop and Adobe Illustrator. Posters, Illustrations, Cartooning and Digital Photography will also be topics explored.

8120 PAINTING

Grade -11, 12 6 periods/cycle Credit .5
Prerequisite - 8080 DRAWING AND COMPOSITION or Drawing and Painting

This course introduces students to painting in various media. Students will learn color theory and mixing, techniques for various media, abstract and realistic subject matter choices, and creative self-expression in paint. This course may be taken twice in order to earn one credit with teacher permission.

8140 STUDIO

Grade – 11, 12 6 periods/cycle Credit 1 Prerequisite -1.5 Credits
in Art

The goal of this course is to improve media techniques and experience a variety of artistic styles. This will allow advanced students to develop a body of art work and to present that work. This course can be taken twice for credit.

Music Course Offerings

<u>Course</u>	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>
General Music (8500)			X
Guitar Class (8510)		X	
Voice (8520)	X		
Music Theory I (8540)			X
Music Theory II (8545)	X		
Popular Music In America (8550)		X	
Concert Band (8560)	X	X	X
Mixed Chorus (8570)	X	X	X

8500 GENERAL MUSIC

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Prerequisite – None

This course provides an introduction to the fundamentals of music theory as well as exploring several musical periods historically with the emphasis on music appreciation, historical importance, and theoretical relevancy. Students will learn to write rhythms, aurally recognize listening examples from various historical periods and engage in extensive study of the world's greatest composers and their works.

8510 GUITAR CLASS

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Prerequisite - Must own an acoustic guitar or rent an acoustic guitar (No electrical guitars or amps will be allowed)

This class is designed as a fun and diverse introduction to the versatile world of the guitar. Students will enjoy the relaxed atmosphere of a small class setting as we learn the basics of reading music, rhythms, and the fundamentals of composing. We will become proficient on simple melody and chord reading, basic strumming patterns and learning how to write music in both traditional notation and tablature which is relevant to contemporary musical trends.

8520 VOICE

Grade - 10,11,12

6 periods/cycle

Credit .5

Prerequisite – None; the ability to read music is highly recommended.

This class is designed for students SERIOUSLY interested in producing a quality vocal sound and studying vocal health issues. Students will be required to sing in small ensembles and to sing by themselves. Students will also develop basic music notation skills, rhythmic skills, and aural skills as well as a healthier solo singing voice. Study of vocal classifications, Broadway, and opera are included in this course.

8540 MUSIC THEORY I

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Prerequisite - Ability to read musical notation

Prior study with a musical ensemble is preferred, but not necessary.

This course is for the serious music student who will learn how music is put together through analysis and interpretation. Emphasis will be on mastering the fundamentals of music, writing melodies and harmonizing them with the three primary chords and with use of non-harmonic tones. Students will compose and harmonize a simple melody by the end of the course. Exposure to sight singing, ear training, and rhythmic dictation will also be included in this course.

8545 MUSIC THEORY II

Grade - 10,11,12

6 periods/cycle

Credit .5

Prerequisite – Music Theory I

Prior study with a musical ensemble is preferred, but not necessary.

This course is for the serious music student who will learn how music is put together through analysis and interpretation. Emphasis will be on mastering the fundamentals of music, writing melodies and harmonizing them with the three primary chords and with use of non-harmonic tones. Students will compose and harmonize a simple melody by the end of the course. Exposure to sight singing, ear training, and rhythmic dictation will also be included in this course.

8550 POPULAR MUSIC IN AMERICA

Grade - 9,10,11,12

6 periods/cycle

Credit .5

Prerequisite – None

This class is a study of the development of popular music in America. It will begin around the turn of the twentieth century with jazz and its development into rock, Broadway, and other popular forms of music known today. In each stage of musical development, the course will examine the social and political events of the time that had an impact on the development of each style of music. Interpretive and analytical skills will be used and developed throughout the course.

8560 CONCERT BAND

Grade - 9,10,11,12

6 periods/cycle

Credit 1

Prerequisite - Ability to play a brass, woodwind, or percussion instrument. One year of prior study in any school ensemble is recommended.

This course will provide high school students with a positive musical experience while promoting growth individually and as a member of the ensemble. Emphasis is placed on musical excellence through developing musicianship and musical skills while continuing a strong work ethic. The We/Us concept of the overall Team/Ensemble will be the major focus of this course. This is a performance-based course; therefore attendance at all performances is expected. All students will participate in instrumental sectional lessons that will meet once per cycle. This course will meet opposite Mixed Chorus, so those members who wish to participate in Concert Band and Mixed Chorus can enroll in both courses.

8570 MIXED CHORUS

Grade - 9,10,11,12

6 periods/cycle

Credit 1

Prerequisite – Returning students must have previously passed Chorus to maintain enrollment.

Mixed chorus provides an eclectic view of many different styles of music and the opportunity to sing and perform in two concerts a year. Students enrolled in Mixed Chorus will learn basic music notation and sight reading skills with an emphasis on musical excellence and quality sound. This course is performance-based and attendance at all concerts is therefore mandatory.



COLLEGE GUIDANCE

College Admissions

Academic preparation for college admissions competition as well as success should be basic in a student's selection of high school courses. Meeting minimum high school diploma requirements is NOT adequate preparation for college admissions or for academic success in college.

Admissions standards vary widely among colleges and are related to the purposes of the college, particular fields of study, and the degree of selectivity of the admissions process. General guidelines for college academic preparations include the following:

MINIMUM REQUIREMENTS

Academic credit in grades 9 through 12 include:

- 4 credits in English
- 3-4 credits of science which include a laboratory component
- 3-4 credits in social studies
- 3-5 credits in mathematics (algebra I, algebra II, geometry)
- 2-4 credits in a foreign language

Students are urged to consult college catalogs for recommendations and/or requirements of particular institutions with reference to specific majors in college. Admissions may be merely a high school diploma for the "open-door" state-supported community college, while requirements for a selective college or major may be specific and rigid. The above listed guidelines are intended to assist the student in thinking about preparation for academic success in college as well as fulfilling basic admission requirements. Selecting electives should be done carefully since they can be used to enhance your academic record and to assist you in fulfilling requirements for particular fields of study in college.

COLLEGE PLANNING TIMETABLE

Detailed information for WPHS students can be found on the counselors' portion of the high school website at: <http://westperry.org/Page/2337>

Graduation Planning

Student Name: _____

Subject Area	9th Grade	10th Grade	11th Grade	12th Grade	Total
English					4
Social Studies					4
Science					3/4
				*3 Credits Required for VoTech	
Mathematics					3/4
				*3 Credits Required for VoTech	
Wellness/Fitness					2
Career/Post-secondary Readiness					0.5
Arts and Humanities					2
Electives					5.5
				*6.5 Credits Required for VoTech	
Total Credits					25