

Peters Township High School Course Description Guide

2012-2013 School Year



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SECTION I: INTRODUCTION

This Course Description Booklet is designed for students who will be enrolled at Peters Township High School. The purpose of this booklet is to provide information to facilitate planning and course selection. Parents are encouraged to review this booklet with their child during the planning and course selection process. It is important to consider course selections carefully in order to fulfill graduation requirements and take advantage of the electives available to all students. Course selection data is used to align the professional staff and budget for instructional materials. For this reason, students should select alternate courses as first choice courses may not run because of low enrollment or changes by the Board of Education and/or building administration. Thank you for your cooperation.

This document is revised annually. Policy, law, state and federal mandates and/or local adoptions and necessary revisions are an on-going process. If changes are made during the scheduling process, the High School Administration will communicate those changes to the affected parties.

Please understand that simply meeting the requirements of a course does not guarantee placement in that course if the demand is greater than the spots available.

Administration and School Counselors		
Mrs. Lori Pavlik	Principal	ext. 5212
Ms. Emily Sanders	Assistant Principal	ext. 5215
Mr. Christian Lesnett	Assistant Principal	ext. 5211
Mrs. Vicky Cunningham	A, B,C School Counselor	ext. 5232
Mrs. Heather Wawrzeniak	D,E,F,G,HL School Counselor	ext. 5234
Mrs. Gloria Bombara Laux	Hm,I,J,K,L,Ma School Counselor	ext. 5517
Ms. Heather Prinsen	Mc,N,O,P,Q,R,Sa School Counselor	ext. 5220
Mr. Jeffrey Sudol	Sc,T,U,V,W,X,Y,Z School Counselor	ext. 5238
Mrs. Judith Alexander	School to Career Coordinator	ext. 5610

A. Course Request

Course selection will begin once the online scheduling system portal is open. Students will have two weeks to review teacher recommendations and make course requests for the 2012-2013 school year. All initial course request selections must be completed by **March 16, 2012**, at which time the online scheduling system will be closed to students. Student course selections will be reviewed for prerequisite requirements and appropriate placement/level. Other factors that may impact final course placement include minimum course enrollment, mentorship application process and fine arts auditions.

For students who wish to enroll in a course that they have not been recommended for or do not meet the prerequisite, they may wish to appeal. Please see appeal process below. Deadline for submitting an appeal is **April 12, 2012**.

B. Appeal Process

Great care is taken to ensure that students are placed in the most appropriate and rigorous educational setting. The appeal process exists for students to request a course for which they were not recommended. Parents and students may obtain an Appeal Form from the HS Counseling Office. All appeals must be submitted by **April 12, 2012**.

A committee consisting of principals, counselors, department facilitators, and teachers shall assemble to review the appeal and information surrounding the student and course in question. The committee will consider the criteria for the course, the student's scholastic ability, achievement and performance, evidence of maturity, motivation, interest and previous teachers' recommendation. A decision will be determined and shared with the family. The counselor will process the appropriate course request on space available basis.

C. Add/Drop Period

During the first ten (10) days of the school year, or semester for semester courses, students will be permitted to submit the Schedule Change Application form (available in the HS Counseling Office) to either add or drop a course for the following reasons. Possible changes are made on a space available basis:

1. **Academic** - This includes situations such as incorrect course level, necessity to enroll in a PSSA remedial course, work release approval, and/or graduation deficiency.
2. **Summer School** - When a student completes a summer school course and the circumstance affects the student's schedule.
3. **Study Hall/Electives** - Students may also add an elective course in order to eliminate a study hall or drop a course if they are without a study hall. Students are only permitted to be scheduled for one year long study hall. Students are not permitted to change electives. The school is unable to honor requests for specific teachers or lunch periods.

D. Placement/Level Changes: Academic, Honors, and Advanced Placement Courses

Students are recommended for courses based upon established criteria in the previous level course. After the tenth (10th) day of the semester a teacher may recognize that a student is experiencing difficulties because the level is determined to be inappropriate. The student may need to enroll in a different level of the course (For example, AP English to Honors English, Honors English to Academic English). The teacher will begin a request of placement/level with the student's counselor. The counselor will coordinate any level change with the approval of the parent and high school administration. Not all courses have an equivalent course at a different level. For example, students may not request to transfer from Honors Biology to Physical Science, AP Science to another AP Science and/or Geoscience, and Calculus/AP Stat to Algebra 3 and Trigonometry after the first 5 weeks of the semester.

E. Course Removal/Withdrawal: Withdrawal Passing (WP) or Withdrawal Failing (WF)

Students who are not successful in a course after the first ten (10) days of school may request to withdraw from the course. The process begins with a meeting with the student's counselor. Next, the Withdrawal Form must be completed that requires signatures by the parent(s), teacher, and grade-level principal. A panel will review the withdrawal request and supplemental information to reach a decision. If the withdrawal is approved, a WP (Withdrawal Passing) or WF (Withdrawal Failing) will be posted on the student's transcript. The WP or WF will be based upon the grade assigned by the teacher on the date of the withdrawal. No credit will be assigned to the student's transcript for a WP. If the student chooses to retake the course the following school year or during summer school, both grades shall be posted on the official transcript.

SECTION II: GRADUATION REQUIREMENTS (Refers to School Board Policy 5127)

Seniors are required to satisfy all requirements and obligations found in the student/parent handbook in order to participate in Commencement ceremonies. Senior obligations must be fulfilled prior to the beginning of final examinations as identified by the senior final examination schedule. There will be no waiver to this rule.

A. Graduation Requirements Table (*Pending Board Approval*)

Planned Courses	Credits for 2013	Credits for 2014 and Beyond
English	4.00	4.00
Social Studies	4.00	4.00
Science	4.00	4.00
Mathematics	4.00	4.00
Arts/Humanities	1.00	1.00
*Physical Education	0.75	0.50
Health	0.50	0.50
**Drivers Theory/Speech	1.00	1.00
Information Technology Class	0.50	0.50
Electives (.5 must be an online class)	6.00	6.50
Total	25.75	26.00

***Pending Board Approval Physical Education requirements will be changed according to the chart above.**

****Driver's Theory may not be required for the class of 2016 and beyond.**

In addition to the 26.0 or 25.75 credit requirement for graduation, students must demonstrate mastery of the Pennsylvania Academic Standards on the 11th grade Pennsylvania State System of Assessment (PSSA). Mastery can be demonstrated by receiving an Advanced or Proficient score on the 11th grade exam, 12th grade re-test, or passing the local assessment via the PSSA Remediation courses in grade 12.

B. Graduation Project

Through career exploration, the students will research their interests, talents, and abilities as they relate to post-secondary options. A variety of required and optional experiences will lead students toward focusing and discovering desirable and appropriate post-secondary decisions as they relate to a first job/career. This process will be documented and stored by the students in electronic portfolios and presented by the student to a panel of school district professionals for evaluation. The project as a whole is completed **independently by the student**. Teachers will work with an assigned group of students as mentors.

C. Grading Scale

Letter Grade	Percentage	Academic	Honors	AP
A	100%--90%	4.0	4.5	5.0
B	Below 90%--80%	3.0	3.5	4.0
C	Below 80%--70%	2.0	2.5	3.0
D	Below 70%--60%	1.0	1.0	1.0
F	Below 60%--0%	0.0	0.0	0.0

D. Class Rank

A student must earn at least fifty percent (50 %) of the total credits at Peters Township High School to qualify for graduation honors. Class rank has been eliminated from the high school transcript. Any student submitting a scholarship application on which it stipulates that class rank is required and will not be accepted without this information should see their school counselor.

E. Early Graduation

An application for early graduation must be made through the counseling office prior to the first day of the semester in which graduation is intended. Careful and proactive scheduling is required to ensure all graduation requirements are met.

SECTION III: ONLINE LEARNING

A. Online Learning

Students will be required to earn 0.50 online learning credit in order to graduate. Students may meet this requirement by taking and passing a district online learning course or an "approved" out-of-district online course. District online courses are designated in the course description book with the designation ONL and are offered 90% online and 10% in the traditional format. The goal of these courses is not only to provide students with rich interactive content using a variety of multimedia technologies, but also to provide them with specific strategies and tools for learning in this environment.

Current Courses Offered Online at PTHS		
World Mythology Online	CADD Online	Creative Writing Online
The Bible in Literature I Online	Popular Music Online	Music Theory Online
Community Service Online	Media II, III Photography Online	Graduation Project Seminar Online
AP European History Online	Accounting I Online	Information Technology Honors
Chemistry Academic Online	Molecular Gastronomy Online	Global Connections to Spanish Online

B. Outside Online Offerings

An alternative to selecting one of the online courses offered at Peters Township High School is to identify an elective offered through an outside organization or college/university. Not all courses offered outside of PTHS qualify for PTHS credit. The following procedures must be followed for a course not offered at PTHS to be approved for online credit at Peters Township High School. The Online Learning Application can be found as Attachment A in this booklet.

Procedures for applying for a online credit for courses taken outside the district

- Complete the Online Learning Application (Attachment A) for an online course offered outside Peters Township High School. This form must be completed in its entirety for approval to be considered. Approval is not guaranteed.
- When completing the application, please list only one requested course per form.
- Submit the application to the appropriate school counselor with all other scheduling materials by **March 16, 2012**.
- The school counselor will review the application with the team facilitator. The application will then be sent to the high school principal and then to the Superintendent for final approval.
- All expenses related to online courses offered outside of Peters Township High School, including but not limited to tuition, enrollment fees, administrative fees, textbooks/video fees, supplemental materials, computers, printers, scanners, internet connection, rentals and miscellaneous fees, mileage, etc. are the responsibility of the student and parents/guardians.
- Source schools offering online courses must be accredited educational institutions. Evidence of accreditation must be provided to the student's counselor prior to the start of the course in order for the course to be approved.
- The curriculum and expectations of the online course must match those of Peters Township High School. The PTHS team facilitator of the curricular area in which the course would be offered must review the curriculum and sign-off with his/her approval (e.g., an online course in robotics would need the approval of the PTHS team facilitator in technology education).
- If the course is approved and successfully completed, all "official" transcripts from the source school must be submitted to the student's school counselor on or before the close of the school district's grading period. Failure to meet this deadline will result in a disqualification of eligibility for graduation credit and inclusion of any information on the student's official high school transcripts. If there are issues or problems with grading, it is the student's responsibility to meet with his/her School Counselor immediately upon the issue being discovered. Issues in this area still do not exclude the student from meeting the end of the school year requirement to have all "official" transcripts on file at the high school prior to the end of the school year grading period date.
- On-Line Courses offered outside of PTHS will NOT receive weighted credit. The purpose for selecting online courses at this time is to explore interesting electives or for credit recovery. All online credits successfully earned outside of PTHS will be recorded on the student's transcripts as elective credits, unless they were for core course credit recovery.

SECTION IV: OPTIONAL EDUCATIONAL OPPORTUNITIES

A. Auditing a Class

If classroom space is available, students may audit any course offered by Peters Township High School with the written approval of the teacher and the grade-level principal. Students will not receive a letter grade on their report card nor will they earn credit toward graduation for audited classes. Students may not be eligible for the next sequential class if the prior is audited. Students are required to complete all assigned work. The audited class is not included as part of the requisite 6.25 credits to maintain full time status.

B. Dual Enrollment: College Coursework for High School Credit (excluding Online Courses)

Students who advance beyond the coursework offered at the high school, or who have interest in a subject that is not offered at Peters Township High School, may enroll in college classes and earn credit toward graduation. Students must obtain authorization to transfer credits before enrolling in any college course. All costs associated with college classes including but not limited to tuition, transportation, related materials and supplies are the responsibility of the student and family. Pending approval from the PA Department of Education (PDE), courses may qualify for Dual Enrollment funding to offset costs.

C. Career and Technology Education

Vocational career counseling is available through the School Counseling Office, the Career Resource Center located in the Counseling Office, and through a number of special career education events and programs that are offered throughout the school year. Information about special programs and events will be provided on the daily announcements. The Western Area Career and Technology Center (WACTC) provides students the opportunity to explore a variety of trade and service careers in an educational setting. Students who enroll at WACTC complete the core curriculum at PTHS that is required for graduation. The remaining portion of the day is scheduled at the career and technology center.

D. College in High School (CHS)

Colleges may accept selected courses offered at Peters Township High School toward a college degree. These courses are identified in the Course Description Booklet as College in High School (CHS) along with the title of the course. These courses are on the same weighted credit scale as Advanced Placement courses, as an example, **CHS Computer Programming**. Tuition and fees for college credit are the responsibility of the student and family. More information about credit for college in high school is available in the School Counseling Office. Pending approval from the PA Department of Education (PDE), courses may qualify for Dual Enrollment funding to offset costs.

E. Independent Study (Refers to School Board Policy 6125)

The Peters Township School District recognizes that a student may benefit from diverse learning experiences that are beyond the scope and sequence of the curriculum offered by the District. This policy provides qualified students with the opportunity to enrich their education through an independent study process. Independent study shall be granted under exceptional circumstances to enhance a student's learning experience, or shall be granted in the event a student cannot participate in a course offered by the District due to an unavoidable scheduling conflict. An independent study program requires special effort and commitment on the part of the student, parent, and school district to meet the individual educational interest of the student.

Procedures for applying for an independent study:

- An application for independent study is available in the School Counseling Office. A written proposal, developed by the student and mentor teacher, outlining the specific instructional objectives must accompany the application. The application is submitted to the appropriate school counselor.
- The application for independent study must be submitted by the 10th day of each semester and all work must be completed by the 85th day of each semester for the student to receive credit for the course of study.
- Proposals for year-long independent study courses must be submitted by the 10th day of the first semester and all work must be completed by the 85th day of the second semester. Additionally, the planning committee will establish procedures to monitor progress throughout the year.
- A three-member committee, comprised of the mentor teacher, a School Counselor, and a high school administrator will review the proposed independent study plan with the student and his/her parent/guardian and advise the Superintendent that the plan meets all necessary requirements. The Superintendent shall approve or disapprove each course of independent study.
- Each course of independent study shall be noted on the student's transcript with an indication of pass/fail, except when the student has received specific approval for a grade. A copy of the plan and assessments will be stored in the student's permanent record until graduation.

- Independent study courses that qualify for credit toward graduation will be available only to high school students. Students may take no more than one independent study course per semester unless approved by the Superintendent.
- Independent study courses that receive a letter grade will not qualify for weighted credit when calculating the student's GPA. Independent study courses, that receive a pass/fail grade, will not be included in the computation of a student's GPA.
- The District will not be responsible to provide any transportation that might be associated with an independent study course.
- A brief course (less than one semester), designed to remediate specific skill deficits or prepare a student for another course may be developed in consultation with a teacher, school counselor, and principal but will not be awarded credit toward completion of graduation requirements or calculated in GPA.

F. Mentorships

The high school provides placement for mentorship experiences with the following courses: Law & Government, Anatomy, ProArts Journey, BCIT and Media. Students that are interested in pursuing a mentorship experience must meet the specific course prerequisites, receive a teacher recommendation, be in good standing with attendance, grades and discipline. The student must be able to provide his/her own automobile transportation to and from the mentoring site. The mentorship class must be requested during the course selection time period and students must complete an application for the mentorship (available in Appendix B) and submit to the counselor at the time of scheduling. Because the courses are limited in size, a committee will review the applications using the attached rubric (Appendix B). Please note: seniors who want to remain in contention for end of the year honors and awards are required to carry six credits during the school year.

G. Summer School and Summer Courses

Students who fail or earn a "D" in a course during a given school year are encouraged to make up the course credit by enrolling in a summer school program. Students may access information concerning course availability and locations for summer school in the School Counseling office and on their department website. Summer school credits earned at approved programs will be accepted. Both the grade the student earned during the school year as well as the summer school grade will appear on the student's transcript and will be calculated in his/her GPA.

Students who desire to take a summer school course in order to advance themselves in an academic discipline must gain the approval of their counselor and principal prior to registering for the course. Courses may be taken at an area high school, college or university. A three (3) credit college course is worth the equivalent of one high school credit. A course taken at an area high school must be taken for a minimum of 120 hours for credit. **All courses taken for advancement will be recorded as elective credit only.**

Students have the opportunity to enroll, at their expense, in two summer school courses held at PTHS: Summer Physical Education and Summer Drivers Theory. Summer PE is only available for current students (grades 8-11) and offered throughout the summer. Registration information is available in the high school counseling office and on the website. Please see your school counselor if you are interested in enrolling in either of these courses.

H. Testing Out of a Course

Personal Wellness is the only course in which "testing out" is permissible. The exam for the testing out of this course is given in the spring for current PT middle school students. Students, who are new to the school district and enrolled after the scheduled test out, must see their high school counselor in order to register for the test out.

Grading, Transcripts and Credit:

- The percentage grade received on the test will be the grade for the course. The grade, a special notation indicating "tested out," and the assigned credit for the course will appear on the transcript.

- Students who do not successfully complete the requirements for testing out of a course will have no official records kept or recorded and will be scheduled for the course.
- Students can elect to enroll in the course even if they have successfully completed the test out exam.

I. Work Release

Seniors who are in good academic standing may be permitted to participate in a non-credit work release program. Prior to acceptance in the program, the student must submit the following verification to the appropriate School Counselor:

- Verifiable job at the time of application
- Letter from the employer on the company letterhead stating that the student will begin work at the agreed upon time during the school day.
- Completed application signed by the parents/guardians stating that they assume responsibility for the student once s/he has left the high school during the school day.
- School Counselor signature stating that the student has sufficient credits to permit graduation with his / her class.

Work Release students are required to:	Work Release students are NOT permitted to:
<ul style="list-style-type: none"> • Work a minimum of 15 hours during the time they are released from school, Monday through Friday • Maintain the district's minimum grade point average for participation • Sign out at the attendance desk and leave through the front door. • Provide School Counseling Office with a copy of their monthly hours and paystub • Immediately notify the School Counseling Office if their employment is terminated or they change place of employment 	<ul style="list-style-type: none"> • Be self-employed, work for parents/relatives, work "under the table" or in other situations where they are not covered by the employer's liability and workman's compensation insurance • Work on days when they are absent or suspended from school. • Exceptions made my administrative approve only

Students applying for work release receive their approval from the School Counseling Office and the high school principal. Transportation to and from the place of employment is the sole responsibility of the student. A student's work release may be revoked if the student begins to experience difficulties in attendance, academic performance, behavior or failure to comply with monthly requirements and paperwork. Please note: seniors who want to remain in contention for end of the year honors and awards are required to carry 6.25 credits during the school year.

J. Learning Support Services

All Learning Support Classes are provided for students who, according to state guidelines, have qualified for learning support services. Qualifying students will be scheduled through their respective school counselors, along with careful recommendations and considerations from their case-manager. Potential Learning Support classes include, but are not limited to the following: Learning Support Directed Study, Learning Support Math, Learning Support English, Learning Support Reading, and Life Skills.

K. Eighth Grade Advanced Studies

Students in eighth grade at Peters Township Middle School may be able to enroll in high school courses during the school day. All coursework will count toward graduation credit and their high school GPA. The school counselor at the middle school will coordinate this process. Middle School students who wish to enroll in high school courses are required to meet the following guidelines:

- Documented evidence that all prerequisites have been met, and where applicable, all academic screening mechanisms successfully completed prior to scheduling any courses.
- Appropriate level of maturity – verified by the middle school teacher(s) and school counselor.
- Recommendation from the middle school principal and/or middle school counselor.

- The option to take other courses during this time period provided that they meet the prerequisites. This requires middle school counselor/principal recommendation and/or high school teacher and counselor recommendation.
- Parental approval prior to placement.

SECTION V: Course Offerings – Core and Elective (In Alphabetical Order, Respectively)

The course offerings are listed alphabetically by department beginning with core departments, followed by electives, and ending with Western Area Career and Technology Center. Please use the following pages to make your selections, paying close attention to prerequisites.

English

Math

Science

Social Studies

Business Computers Information Technology

Fine Arts (Art and Music)

Graduation Project Seminar Online

Media

Physical Education, Drivers Theory and Health

Practical Arts (Family and Consumer Science and Technology Education)

World Language

Western Area Career and Technology Center

English Department



ENGLISH COURSE OFFERINGS

A. Required Course Offerings

Each student must be enrolled in one of the required English courses each year. In order for a student to be eligible for graduation, the student must satisfactorily complete 4.5 credits of English (four full years of English plus a semester of Speech). No student may be enrolled in more than one required English course within any given school year without approval of the High School Principal. Additionally, the classroom teacher, counselor and administrator must approve any movement between academic and honors or AP courses.

	Grade 9	Grade 10	Grade 11	Grade 12
Required	English 9 Academic English 9 Honors PSSA 9 (if applicable)	English 10 Academic English 10 Honors and Speech 10	English 11 Academic English 11 Honors AP English Language & Composition	English 12 Academic English 12 Honors AP English Literature and Composition PSSA 12 (If applicable)
Electives	The Bible in Literature I Online Introduction to Humanities Movies and Meaning Theater Arts I World Mythology Online	The Bible in Literature I Online The Bible in Literature II Creative Writing Online Introduction to Humanities Movies and Meaning Theater Arts I Theater Arts II Theater Arts III World Mythology Online Writing Workshop	The Bible in Literature I Online The Bible in Literature II Creative Writing Online Humanities Introduction to Humanities Movies and Meaning Theater Arts I Theater Arts II Theater Arts III World Mythology Online Writing Workshop	The Bible in Literature I Online The Bible in Literature II Creative Writing Online Humanities Introduction to Humanities Movies and Meaning Theater Arts I Theater Arts II Theater Arts III World Mythology Online Writing Workshop

ENGLISH 9 ACADEMIC (0101) **Grade 9** **1.0 credit** **1 year**

Prerequisite: None

This course continues the sequential study of skills in reading, writing, speaking and listening. Students will study the basic elements of the novel, drama, short story, and poetry. Library skills, study skills, and grammar study are a part of the course. The basics of a well-developed paragraph are an integral part of students' involvement in the writing process.

ENGLISH 9 HONORS (0102) Grade 9 1.0 credit 1 year

Prerequisite: Teacher Recommendation from MS Literature/Reading Dept.

At an accelerated pace, this course deals with a review of the nature and structure of the language. The students complete literary analyses of novels, dramas, short stories, and poetry. A unit of library skills is followed by library projects throughout the year. Students develop writing skills through experiences with various types of writing, and they practice techniques of group discussion. *Please see page 4 for guidelines for removal from this course.*

ENGLISH 10 ACADEMIC (0104) Grade 10 1.0 credit 1 year

Prerequisite: English 9 Academic

This course involves review of grammatical principles with the emphasis upon mechanics and usage. Students refine their understanding of more complex aspects of literary analysis. Students are taught to recognize their personal needs in communication and work for personal improvement in informal as well as formal communication. Students involve themselves in prewriting and revision activities and become more familiar with all aspects of the writing process.

ENGLISH 10 HONORS (0105) Grade 10 1.0 credit 1 year

Prerequisite: “B” or better for the previous honors course(s), or “A” for the previous academic course(s), or “C” requires teacher or administrative recommendation

This course is specifically designed as an accelerated program in language arts skills. Selections of world literature, from pre-Biblical through classical and medieval to twentieth-century works, provide the academic focus. This advanced program is distinguished by the large volume of reading, the length of the selections studied, and the amount of writing. *Please see page 4 for guidelines for removal from this course.*

ENGLISH 11 ACADEMIC (0107) Grade 11 1.0 credit 1 year

Prerequisite: English 10 Academic

This course provides a survey of American Literature where reading comprehension and written and oral analysis are emphasized. Students' compositions must reflect proficient understanding of structure, development and clarity. Students identify and improve clear, grammatical constructions and are encouraged to eliminate substandard patterns of language.

ENGLISH 11 HONORS (0108) Grade 11 1.0 credit 1 year

Prerequisite: “B” or better for the previous honors course(s), or “A” for the previous academic course(s), or “C” requires teacher or administrative recommendation

This course is a sequential and cumulative program for students who have exceptionally high ability in English. Students read and discuss many complete works of literature rather than survey materials. This advanced course focuses on American Literature, which demonstrates how universal concerns are modified by the American cultural pattern from Puritan times to the present. The writing component emphasizes analytical and critical compositions. *Please see page 4 for guidelines for removal from this course.*

Prerequisite: Grade of “A” or better for the previous honors course taken at the high school, class performance resulting in a final grade of an “A” for the previous academic course taken at the high school, no quarterly grade below a “B” except with teacher or administrative recommendation and Teacher Recommendation/Appointment

AP Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and resources of language contribute to effectiveness in writing. *Please see page 4 for guidelines for removal from this course.*

ENGLISH 12 ACADEMIC (0110) Grade 12 1.0 credit 1 year

Prerequisite: English 11 Academic

This course is a chronological survey of English literature (and related supplemental interdisciplinary material) focusing on literary analysis, artistic interpretation, and linguistic development. Communication skills are enhanced via assorted oral and written assignments, which challenge the students' sense of awareness, articulation, and clarity. Students who plan to continue their academic education beyond high school will take this class.

ENGLISH 12 HONORS (0113) Grade 12 1.0 credit 1 year

Prerequisite: “B” or better for the previous honors course(s), or “A” for the previous academic course(s), or “C” requires teacher or administrative recommendation

The Honors 12 curriculum is designed to challenge the above-average college-bound senior who is not yet ready to commit to the rigors of college level work. Students will study a range of Greek and British literary masterworks spanning the past 2500 years, at a pace commensurate with their abilities. Emphasis will be on strengthening critical thinking skills, particularly analysis and interpretation, and sharpening communication skills. Assessments will include objective and essay tests, various compositions, oral reports, and research. Honors weighting will apply. *Please see page 4 for guidelines for removal from this course.*

ENGLISH 12 ADVANCED PLACEMENT LITERATURE AND COMPOSITION (0111) Grade 12 1.0 Credit 1 year

Prerequisite: Grade of “B” or better for the previous advanced placement course taken at the high school, grade of “A” from previous honors course taken at the high school, class performance resulting in a final grade of an “A” for the previous academic course taken at the high school, no quarterly grade below a “B” except with teacher or administrative recommendation and Teacher Recommendation/Appointment

This course approximates the college experience where students assume a greater role in the learning experience. Accordingly, students will be expected to contribute constructively to the discussion of world masterpieces, which are organized along the lines of genre. The primary objective of the course will be to develop analytical skills and effective writing. Close reading, literary analysis, and the writing of critical essays will be emphasized. *Please see page 4 for guidelines for removal from this course.*

SPEECH (0114) Grade 10 - Required for Graduation 0.5 credits 1 sem.

Prerequisite: None

This required course is specifically designed for sophomores, but can be taken before spring of their junior year to fulfill the graduation requirement and components of the graduation project. Permission by the school counselors will be given to ninth graders. The class will meet five days a week for one semester. The purpose of this course is to foster the development of each student’s speaking ability as well as the other language arts of listening, writing, and reading. Students will become familiar with the various forms of speaking and will apply of these forms as they make oral presentations. Meaningful use of technology and library research skills is also a focus.

Prerequisites: Scoring basic or below basic on the 8th grade PSSA Reading and Writing test. Only open to those who meet the prerequisite.

Reading – The reading section will emphasize the eligible content in reading from the PSSA: comprehension and reading skills, as well as interpretation and analysis of fiction and non-fiction texts. Students will also learn strategies related to understanding the different types of questions, use of effective methods for “attacking” comprehension problems, time management, and guessing.

Writing – The writing section will assist students in producing quality writing samples that include complex informational pieces (e.g., research papers, analyses, evaluations and essays) and persuasive pieces that would be expected in post-secondary education and the workplace. Emphasis will be placed on organization, revision and editing. This course is taught at 90% online but does not meet the graduation requirement for online courses unless it is taken in conjunction with PSSA Math 9.

Prerequisites: Scoring basic or below basic on previous year’s Reading and Writing PSSA or the current year’s retest, by appointment only. This course is required if students have scored basic or below basic on either the 11th grade PSSA or the 12th grade test.

Length of course is one quarter Grade: P/F (will not be calculated into GPA). Reading – The reading section will emphasize the eligible content in reading from the PSSA: comprehension and reading skills, as well as interpretation and analysis of fiction and non-fiction texts. Students will also learn strategies related to understanding the different types of questions, use of effective methods for “attacking” comprehension problems, time management, and guessing.

Writing – The writing section will assist students in producing quality writing samples that include complex informational pieces (e.g., research papers, analyses, evaluations and essays) and persuasive pieces that would be expected in post-secondary education and the workplace. Emphasis will be placed on organization, revision and editing. This course does not satisfy the graduation requirement for online courses, unless it is taken in conjunction with PSSA Math 9.

B. English Elective Course Offerings

Prerequisite: None (First Semester Only)

This semester course will provide students with the opportunity to study one of the most influential books ever written - the Bible. In the Bible in Literature I, students will learn about the different kinds of writing and the various books that make up the Old Testament, otherwise known as the Hebrew Scriptures. Parts of the Bible like Genesis, Exodus, the Prophets, and the Psalms will be read for their literary impact and narrative appeal. In addition, students will also read other classic works of literature - a novel, short stories, and poetry - to analyze and interpret the Bible’s influence. Knowledge of the Bible and its stories has long been recommended by colleges and universities because of the many biblical allusions that are found in great literature. This course is taught 90% online.

Prerequisite: None (Second Semester Only)

This semester course will provide students with the opportunity to study one of the most influential books ever written - the Bible. Students will read the Gospels and other writings of the New Testament and examine biblical allusions in classic literature. Students will read other classic works of literature - a novel, short stories, and poetry - to analyze and interpret the Bible’s influence. Knowledge of the Bible and its stories has long been recommended by colleges and universities because of the many biblical references that are found in great literature.

Prerequisite: None

"If a story is in you, it has got to come out," declares William Faulkner. This writing workshop course provides an opportunity for students to develop their abilities in writing short fiction, poems, and other creative pieces. Informal instruction and discussions center on work done in class. Our goals are to become more confident in expressing our thoughts and feelings in words, while stretching our abilities by experimenting with a variety of styles of creative writing. Opportunities for publication will also be explored. This course is taught 90% online.

HUMANITIES (0112)

Grades 11, 12

1.0 credit

1 year

Prerequisites: None

What is Truth? What makes you happy? Is your desk more (or less) real than the atoms that comprise it? Does Art Matter? Is Spielberg more significant than Shakespeare? What might Plato think? Explore the achievements of the movers and shakers. Sit around and share ideas. Impress your friends and amaze your parents. "Know thyself" and be one with the universe. If these topics interest you, register for Humanities.

INTRODUCTION TO HUMANITIES (0129)

Grades 9, 10, 11, 12

0.5 credit

1 sem.

Prerequisite: None

Do you enjoy in-depth discussions? Do you like to stretch your mind? This seminar-style class offers numerous opportunities to explore and share ideas from modern literature, philosophy, cinema, and art. Open your mind and become a better thinker, as well as a more interesting person. You might even discover the meaning of life.

MOVIES AND MEANING (0122)

Grades 9, 10, 11, 12

0.5 credit

1 sem.

Prerequisite: None

Great films explore great themes, which help us get acquainted with our own lives. This will be a seminar-style class where students will view, discuss, and write about some of the world's finest and most renowned examples of cinema. Great directors from around the globe will be featured. Learn to appreciate, interpret, and critique history's most complex art form, and unlock the creative genius within yourself.

THEATER ARTS I (0677)

Grades 9,10,11,12

0.5 credit

1 sem.

Prerequisite: None

You do NOT have to have any theatre experience to enroll in this course. This is an exciting introductory course that offers study in the art and craft of live theatre. The student will have the opportunity to investigate a number of topics such as acting, improvisation and technical theater skills. The course includes many opportunities to perform in small and large groups. Any student currently involved in theater courses or who has taken theater courses in a previous year should see the instructor for placement in the appropriate course.

THEATER ARTS II (0678)

Grades 10, 11, 12

1.0 credit

1 year

Prerequisite: Theater Arts I or Teacher Recommendation

Students in this course will build on the acting skills and theory learned from Theater Arts I. The course combines the theory of acting with ample performance opportunities requiring much enthusiasm, creativity and effort thereby building confidence and sensitivity to this performing art. It also expands on the technical theater skills covered in Theater Arts I.

THEATER ARTS III (0679)

Grades 10, 11, 12

1.0 credit

1 year

Prerequisite: Theater Arts I & II or Teacher Recommendation

This studio is designed for those serious students who (1) seek the college-seminar experience of studying performance closely in a classroom environment and (2) wish to investigate the complexity of the art and craft of live theater. The seminar will concentrate heavily on characterization, script analysis, playwriting, directing, and performance criticism. It will also focus on the more specialized aspects of technical theater.

WORLD MYTHOLOGY ONLINE (0130ONL)

Grades 9,10,11,12

0.5 credit

1 sem.

Prerequisite: None

This course details the myths of the world. Students will study myths thematically, thus tying the human condition and similarities to ancient pieces of literature. Students will also gain insight to the literary impact of myths on our contemporary world of writing. This course offers an opportunity for students to discover diversity. This course is taught 90% online.

WRITING WORKSHOP (0115)

Grades 10, 11, 12

0.5 credit

1 sem.

Prerequisite: None

This course is designed for students who want to continue developing their writing skills beyond the level of competency they have accomplished in their regularly scheduled English classes. The course concentrates on exposition, description, persuasion and argumentation. Both group and individual instruction are employed as appropriate. By the end of this course, students will be able to write unified, coherent, fully developed, and lucidly phrased papers. Instruction is highly individualized and any student willing to work will profit from this course.

Math Department



MATHEMATICS COURSE OFFERINGS

A. Recommended Sequences – Must Select 4 Math Courses

Students must complete 4 credits of Math to graduate. The math team facilitators, teachers, counselors and appropriate grade level administrator must approve any deviation from these recommended sequences. Students taking courses in the Integrated Path (Essentials 1-4) will have to complete through Essentials 4 in order to study Algebra II concepts (which are required by most colleges). Calculators: it is required that students purchase a graphing calculator for their use during high school. In the classroom, the teachers will be using the TI-83+ or TI-84. It is recommended that students purchase this item over the summer.

Grade 9	Grade 10	Grade 11	Grade 12
Integrated Math III Honors	AP Statistics	Precalculus Honors	AP Calculus BC, AP Calculus AB
Geometry Honors	Integrated Math III Honors	Precalculus Honors Statistics (1 sem. Elective) AP Statistics	AP Calculus AB, Calculus I Honors, AP Calculus BC
Algebra I Academic	Geometry Academic	Integrated Math III Academic Statistics (1 sem. Elective) (Algebra II 2013-14)	Algebra III and Trigonometry, Precalculus Academic, Statistics (1 sem. Elective),
Algebra I Foundations	Geometry Foundations	Integrated 3 Essentials (Algebra II 2013-14)	Integrated 4 Essential (not offered after 2013-14)
The Math of Personal Finance is an elective in the Math Department and may not be recognized by colleges as part of the traditional math requirement. College bound students should refrain from taking it as their 4 th math credit, but can choose Personal Finance as a math elective during their senior year only .			

ALGEBRA I FOUNDATIONS (0325)

Grades 9,10,11,12 1.0 credit 1 year

Prerequisite: Teacher Recommendation

This course is a study of the language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. This course is the foundation for high school mathematics courses. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear and quadratic functions and relations. Real world applications are presented within the course content and a functional approach is emphasized. The pacing of this course is slower than the academic level to allow for more remediation and review as well as one-to-one help within the classroom. Students will have more hands-on practice within the classroom so that they can receive immediate feedback. It is required that the student purchase his/her own graphing calculator.

ALGEBRA I ACADEMIC (0322)

Grade 9, 10, 11 1.0 credit 1 year

Prerequisite: Teacher Recommendation

This course is a study of the language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. This course is the foundation for high school mathematics courses. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear and quadratic functions and relations. Real world applications are presented within the course content and a function's approach is emphasized. It is required that the student purchase his/her own graphing calculator.

ALGEBRA III and TRIGONOMETRY (0323)**Grade 10,11,12****1 credit****1 year**

Prerequisite: Integrated Math III Academic

This course is designed for college bound students who need to strengthen algebraic skills and develop trigonometric skills to prepare them for Precalculus Academic. Students will continue learning the algebraic, geometric, and trigonometric concepts developed in the Integrated Math I, II, and III courses. Special emphasis is placed on problem solving strategies and the integration of the graphing calculator in order to interpret mathematical functions. Topics include solving algebraic, exponential, and logarithmic equations, right triangle trigonometry, and analytic trigonometry. It is required that the student purchase his/her own graphing calculator.

GEOMETRY FOUNDATIONS (0326)**Grades 9,10,11,12****1.0 credit****1 year**

Prerequisite: Grade of "D" or greater in Algebra I Foundations or Algebra I

This course is a study of the language, concepts and techniques of Geometry that will prepare students to critically analyze and logically solve problems. This course is the foundation for students' ability to recognize spatial relations and apply logical reasoning skills. Topics include parallel and perpendicular lines, triangle congruence and properties, polygons, similarity, trigonometry, circles and spatial reasoning. Many real world applications are presented within the course content. The pacing of this course is slower than the academic level to allow for more remediation and review. Students will have the opportunity for one-on-one help within the classroom and will receive more hands-on practice in order to allow for immediate feedback. It is required that the student purchases his/her own graphing calculator.

GEOMETRY ACADEMIC (0327)**Grades 9,10,11,12****1.0 credit****1 year**

Prerequisite: Grade of "C" or greater in Algebra I Academic

This course is a study of language, concepts and techniques of Geometry that will prepare students to critically analyze and logically solve problems. This course is the foundation for students' ability to recognize spatial relations and apply logical reasoning skills. Topics include parallel and perpendicular lines, triangle congruence and properties, polygons, similarity, trigonometry, circles and spatial reasoning. Many real world application questions are studied in each unit. It is required that the student purchases his/her own graphing calculator.

GEOMETRY HONORS (0328)**Grades 9,10****1.0 credit****1 year**

Prerequisite: Grade of "A" in Algebra I or Teacher Recommendation

This course is a study of language, concepts and techniques of Geometry that will prepare students to critically analyze and logically solve problems. This course is the foundation for students' ability to recognize spatial relations and apply logical reasoning skills. Topics include parallel and perpendicular lines, triangle congruence and properties, polygons, similarity, trigonometry, circles and spatial reasoning. Many real world applications are presented within the course content. The pacing of this course is more rigorous than the academic level, as it is designed for the extremely capable student who has completed Algebra I. All topics taught in the Geometry academic course will be addressed in more detail. It is required that the student purchases his/her own graphing calculator.

INTEGRATED 3 ESSENTIALS (0318)**Grade 11, 12****1.0 credit****1 year**

Prerequisite: Grade of "D" or greater in Integrated Essentials 2 or Integrated II Academic

Integrated 3 Essentials will include material from present Integrated II and topics include: parallel lines, triangles, modeling problem situations, exploring functions, logical reasoning and methods of proofs, sequences and series, modeling and analyzing data. Pacing is slower in Essentials 3 than in Integrated 3. Traditional algebraic and geometric concepts are included and integrated to enhance the development of the concept. It is required that the student purchase his/her own graphing calculator.

INTEGRATED MATH III ACADEMIC (0308)**Grades 10, 11, 12****1.0 credit****1 year**

Prerequisite: Grade of “C” or greater in Integrated II Academic

This course is the culmination of the Integrated Math series. Topics covered include: a review of the real number system, solving equations and inequalities, complex numbers, function notation and concepts, the geometry of the circle, rational, exponential, and logarithmic functions, an introduction to trigonometry, probability and statistics, and sequences and series. Appropriate technology will be utilized. It is required that the student purchase his/her own graphing calculator.

INTEGRATED MATH III HONORS (0309)**Grades 9, 10, 11****1.0 credit****1 year**

Prerequisite: Grade of “B” or greater in Integrated II Honors or Teacher Recommendation or A or greater in Integrated II Academic and Teacher Recommendation

Integrated Math III Honors is designed for the extremely capable student who has completed Integrated Math II. All topics taught in Integrated Math III Academic will be addressed in more detail and the pace of the course will be accelerated. It is required that the student purchase his/her own graphing calculator. *Please see page 4 for guidelines for removal from this course.*

INTEGRATED 4 ESSENTIALS (0319)**Grade 11, 12****1.0 credit****1 year**

Prerequisite: Grade of “D” or greater in Integrated Essentials 3 or Integrated III Academic

Integrated 4 Essentials will include the following topics: logical reasoning and methods of proof, sequences and series, exponential and logarithmic functions, modeling and analyzing data, applying probability models, angles, trigonometry and vectors. Pacing is slower in Essentials 4 than in Integrated 1, 2, or 3. Traditional algebraic and geometric concepts are included and integrated to enhance the development of the concept. It is required that the student purchase his/her own graphing calculator.

PRECALCULUS ACADEMIC (0311)**Grade 11, 12****1.0 credit****1 year**

Prerequisite: Grade of “B” or greater in Integrated III Academic or Teacher Recommendation

This course includes an in-depth study of functions: inverse, polynomial, rational, exponential, logarithmic, and trigonometric. Emphasis will be placed on applications using graphing calculators, and appropriate computer software. It is required that the student purchase his/her own graphing calculator.

PRECALCULUS HONORS (0312)**Grade 10, 11****1.0 credit****1 year**

Prerequisite: Grade of “B” or greater in Integrated III Honors or Teacher Recommendation

In addition to a careful study of the topics taught in Pre-calculus Academic, systems of equations and inequalities, sequences and series, lines in the plane, conic sections, and polar coordinates will be studied in-depth. The pace of this course will be accelerated commensurate with the ability of the class. Computers will be used where appropriate. It is required that the student purchase his/her own graphing calculator. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT STATISTICS (0315)**Grade 10, 11, 12****1.0 credit****1 year**

Prerequisite: Grade of “C” or greater in Integrated III Honors, “B” or greater in Pre-Calculus Academic or Teacher Recommendation

This one-year course is designed for the student who wishes to study statistics and related topics at an accelerated pace comparable to courses in colleges and universities. The curriculum will be learned by the end of April, in order to properly prepare for the AP exam. Some of the topics taught include: frequency distributions, counting techniques, probability, probability distributions, the normal distribution, confidence intervals and sample size, hypothesis testing,

correlation and regression, chi-square tests, and analysis of variance. Computers and related software will be used where appropriate. It is required that the student purchase his/her own graphing calculator. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT CALCULUS AB (0302)**Grade 11, 12****1.0 credit****1 year**

Prerequisites: Integrated Math I, II, III Honors and Pre-calculus (all honors courses) with a minimal grade of “B” in each course and approval of the Pre-calculus Honors teacher; Minimal grade of an A in Pre-calculus Academic and approval of Pre-calculus Academic teacher. (NOTE: For best success, a grade of “A” in Pre-calculus Honors is the best predictor)

This course consists of a full academic year of work in calculus and related topics comparable to courses in colleges and universities. The curriculum will be learned by the end of April, in order to properly prepare for the AP exam. Some of the topics taught are properties of functions, limits, the derivative, and applications of the derivative, techniques of integration, the definite integral, and applications of the integral. The motivation for taking the course should be to test out of beginning calculus in college, not as a preparation for college calculus. Students who complete this course are expected to take the AP examination in May at the student’s expense. Computers and calculators will be used where appropriate. It is required that the student purchase his/her own graphing calculator. Students who sign up for this course should be prepared for the rigor of a college level course. *Please see page 4 for guidelines for removal from this course.*

CALCULUS I HONORS (0304)**Grade 12****1.0 credit****1 year**

Prerequisite: Grade of “C” or greater in Pre-Calculus Academic or Teacher Recommendation

This course is designed for the student who desires to study the calculus but is not prepared to work at the pace or with the rigor that is necessary in the advanced placement course. Some of the topics taught are properties of functions, limits, and the derivative, techniques of integration, the definite integral, and applications of the integral. Computers will be used where appropriate. It is required that the student purchase his/her own graphing calculator.

ADVANCED PLACEMENT CALCULUS BC (0303)**Grade 12****1.0 credit****1 year**

Prerequisites: Grade of “C” or greater in AP Calculus AB or A or greater in Pre-Calculus Honors or Teacher Recommendation

This course is not a sequence to follow AP Calculus AB. They are stand alone courses. This course consists of a full academic year of work in calculus and related topics comparable to courses in college and universities. The curriculum will be learned by the end of April in order to properly prepare for the AP Exam. Some of the topics taught include: vector valued functions, parametric equations, sequences and infinite series (topics not covered in AB), and limits, continuity, differential and integral (topics covered in AB) The motivation for taking the course should be to test out of the first year (2 semesters) of calculus in college, not as a preparation for college calculus. Students who complete this course are expected to take the AP examination in May at the students’ expense. It is required that the student purchase his/her own graphing calculator. *Please see page 4 for guidelines for removal from this course.*

STATISTICS ACADEMIC (0314)**Grade 11, 12****0.5 credit****1 sem.**

Prerequisite: Grade of “C” or greater in Integrated III Academic

This one semester course is an elective not a replacement for Pre-Calculus or Calculus. Statistics Academic will expand the statistical topics that are introduced in the Integrated Mathematics curriculum. It will present new topics that are introduced in the Integrated Mathematics curriculum. It will present new topics and applications of those topics relevant for decision-making in today’s world. The topics covered include frequency distributions, data description, probability, normal distributions, confidence intervals, and hypothesis testing. Computers and calculators will be used

where appropriate. It is required that the student purchase his/her own graphing calculator. It is recommended required that the student purchase his/her own graphing calculator.

THE MATH OF PERSONAL FINANCE (0310)**Grade 12****1.0 credit****1 year**

Prerequisite: Only Open to Seniors; This course is an elective in the Math Department and may not be recognized by colleges as part of the traditional math requirement. This is a full year, academic level course for seniors only. The focus is on financial management knowledge and skills. Topics include employee compensation, payroll deductions, banking, income tax, credit, and investments. There is no text book. Students maintain a notebook of teacher-designed handouts utilizing current income tax charts, newspaper and magazine articles. Financial management math skills are primarily arithmetic. There is reading associated with the various topics, and financial vocabulary is an important focus, in addition to the mathematics. Students are assessed on a combination of numerical skills, interpreting directions and word skills, and organizational skills. A calculator is required. Class projects will include use of the Internet. Successful completion of this course will prepare students to handle their personal finances both as a senior and after graduation. It is required that the student purchase his/her own calculator.

PSSA 9 MATH (0320)**Grade 9****0.25 credit****Quarter 1 or Quarter 2**

Prerequisite: Scoring basic or below basic on the 8th grade PSSA mathematics test. This course is open only to those who meet the prerequisite.

Length of course is one quarter. Grade: P/F (will not be calculated into GPA). Ninth grade students enrolled in this class will be online gaining additional instruction, practice, and assessment in mathematics. Students enrolled in this online course will utilize rigorous, research based assessments to provide students additional practice and instruction from the 8th grade content included in the math section of the PSSA. Eligible content for this course comes from the PA math standards tested on the PSSA : numbers and operations, measurements, geometry, algebraic concepts and data analysis and probability. This course is taught at 90% online but does not meet the graduation requirement for online courses unless it is taken in conjunction with PSSA English 9.

PSSA 12 MATH (0321)**Grade 12****0.25 credit****Quarter 3 or Quarter 4**

Prerequisite: Scoring basic or below basic on the 11th grade PSSA test and retest. This course is required if students have scored basic or below basic on either the 11th grade PSSA test or the 12th grade test.

Length of course is one quarter Grade: P/F (will not be calculated into GPA). Twelfth grade students enrolled in this class will be gaining additional instruction, practice, and assessment in mathematics. Students enrolled in this course will be required to pass a series of local assessments to demonstrate that they are proficient in mathematics. Eligible content for this course and the local assessments are from the PA Math Standards tested on the 11th grade PSSA: numbers and operations, measurements, geometry, algebraic concepts and data analysis and probability.

Science Department



SCIENCE COURSE OFFERINGS

All science course offerings are aligned with the Pennsylvania Science, Technology and Engineering Standards. First year Biology and Chemistry courses also address the assessment anchors posted for the Keystone Exams. Students must complete 4 credits of Science to graduate. All students are required to take Biology and a Chemistry course. It is highly recommended that students also select a Physics course during high school. The science facilitator, science teachers, counselor and appropriate grade level administrator must approve any deviation from the recommended sequences. Calculators: It is strongly suggested that students purchase a graphing calculator for their use during high school.

Grade 9	Grade 10	Grade 11	Grade 12
Chemistry Honors	Physics Honors	Choose one or more: <ul style="list-style-type: none"> AP Biology AP Chemistry AP Physics Geoscience Honors 	Choose one or more: <ul style="list-style-type: none"> AP Biology AP Chemistry AP Physics Geoscience Honors
Biology Honors	Chemistry Honors	Physics Honors May also elect to take concurrently: <ul style="list-style-type: none"> AP Biology AP Chemistry Geoscience Honors 	Choose one or more: <ul style="list-style-type: none"> AP Biology AP Chemistry AP Physics Geoscience Honors
Physical Science Academic	Biology Academic	Chemistry Academic Chemistry Academic Online	Physics Academic Geoscience Academic Geoscience Honors(only if taking Physics Academic concurrently)
Investigations in Physical Science	Biology for Life	Chemistry for Life	Geoscience Academic
Online Elective: Molecular Gastronomy (available to all grade levels if prerequisites are met)			

INVESTIGATIONS IN PHYSICAL SCIENCE (0401) Grade 9 1.0 credit 1 year

Prerequisite: Science Teacher Recommendation

Investigations in Physical Science is designed to explore the fundamental concepts of the physical sciences in an integrated, application based manner. Using classroom discussions, laboratory investigations, and other hands-on processes, students will investigate the scientific phenomena that occur in everyday life with a minimum of mathematical application. Students will develop thinking and process skills as they investigate topics including: lab safety, measurement, motion, machines, energy, matter and its changes, sound, light and other aspects of the environment that are a part of physical science. Emphasis will be placed upon establishing connections between classroom knowledge and real world applications. This course will address the standards in a hands-on experiential manner. (5 periods)

PHYSICAL SCIENCE ACADEMIC (0409)**Grade 9****1.0 credit****1 year**

Prerequisite: Minimum math requirement is Algebra I concurrently and Science Teacher Recommendation

Physical Science Academic is a survey course. Physical science is designed to provide a solid foundation in the physical sciences and is structured around physics, earth and space science and chemistry. Students will learn about the scientific method and its application in solving problems and developing new ideas. Algebraic problem solving strategies will be utilized to develop principles discussed in the classroom and investigated in lab activities which are regularly integrated into the classroom environment. Topics to be addressed may include: the scientific methodology and measurement; motion; forces and Newton's Laws; work, energy, power and machines; waves, sound and light; electricity and magnetism; the universe, galaxies and the solar system; matter, its properties and changes; and the atom, periodic table and chemical bonding. Applications of the concepts and principles discussed to everyday life will be stressed so that the student has a better understanding of the physical world. A scientific calculator is required for this course. (5 periods)

BIOLOGY FOR LIFE (0402)**Grade 10****1.0 credit****1 year**

Prerequisite: Science Teacher Recommendation

Biology for Life is a course designed to explore the major concepts and principles of biology in an integrated, application-based manner. Using laboratory investigations and other types of hands-on processes, students will investigate biological processes and biochemistry principles, ecology, cellular biology, and genetics. Emphasis will be placed upon establishing connections between classroom knowledge and real-world applications. This course will address the standards in a hands-on, experiential manner. (5 periods)

BIOLOGY ACADEMIC (0400)**Grade 10****1.0 credit 1 year**

Prerequisite: Successful completion of Physical Science and Algebra I and Science Teacher Recommendation

Biology Academic is a lab science course for academic sophomores. This is a survey course in which students are given the solid foundation they need to understand the expanding role of biology in modern society. Concepts for study include biological processes and biochemistry principles, ecology, evolution, cellular biology and genetics. Students will develop and apply critical thinking, scientific process, and communication skills by performing laboratory activities, analyzing theories, and creating independent scientific literary and/or experimental research. (5 periods)

BIOLOGY HONORS (0404)**Grade 8 by appt.****Grade 9, 10****1.0 credit****1 year**

Prerequisite: Completion of 8th grade Science or Physical Science Academic with a grade of A and Science Teacher Recommendation, Algebra I Academic with a B or better

Biology Honors is a first year course in biology and is designed for highly motivated, college bound students. It is a fast-paced course that requires daily reading and review. Students in this course typically will also take one or more Advanced Placement science courses as they proceed through high school. The goal of Biology Honors is two-fold. First, the course provides students the framework of key biological concepts into which they can integrate the many new things that they learn and encounter throughout their lives. Second, the course should familiarize students with the scientific process. This course incorporates hands-on activities, technology and labs when appropriate. Topics to be addressed will include: themes in the study of biology, biochemistry, cells and cellular energetics, heredity, molecular genetics, DNA technology and genomics, concepts of evolution, biological diversity, structure and function of plants and animals, and ecology. (5 periods) *Please see page 4 for guidelines for removal from this course.*

Prerequisites: Biology Honors and Chemistry Honors grades B or better or Biology Academic and Chemistry Academic grade A and Science Teacher Recommendation. AP Biology should be taken after or concurrently with a physics course.

The Advanced Placement Biology course is equivalent to a college course usually taken by biology majors during the first year of college. The course is comprised of a lecture and an extensive laboratory portion. Students are expected to spend five to ten hours each week working on biology outside of class. Topics covered in the course include chemistry of life, cells and cell energetics, heredity, molecular genetics, evolution, diversity of organisms, structure and function of both plants and animals and ecology. Students who complete this course are expected to take the AP exam. This exam is administered in May and is taken at the student's expense. (7 periods) *Please see page 4 for guidelines for removal from this course.*

Prerequisite: Science Teacher Recommendation

Chemistry for Life is designed to explore the fundamental concepts of chemistry in an integrated, application based manner with a minimum of mathematical application. Students will gain an understanding of matter and the changes it undergoes through laboratory investigations and other types of hands-on processes. Emphasis will be placed upon establishing connections between classroom knowledge and real world applications. The course will address the standards in a hands-on, experiential manner. Each day students should expect to work individually, in small groups or as a whole complete in-class activities. Due to the activity nature of the course, good attendance is a must. Missing class will have a compounding, negative effect on the student. It is recommended that the student purchase his/her own scientific calculator. (5 periods)

Prerequisite: Completion of Physical Science and Biology Academic or Biology Honors with a grade of C or better, completion of Integrated Math II with a grade of C or better or being taken concurrently and Science Teacher Recommendation

Chemistry Academic deals with matter: its structure, behavior, how it combines, and the changes it undergoes. The structure of matter and the nature of chemical changes are approached through discussions, demonstrations, a great deal of experiments, and guided discovery using typical elements and compounds. Along with the traditional theoretical approach, students will be exposed to how chemistry impacts society, including the students' personal and future professional lives. Students will use chemical principles to think more intelligently about current issues involving science and technology. A great deal of emphasis will be placed on mathematical functions and how they are applied to chemical situations, so students will need to be prepared to bring a scientific calculator to every class. To succeed in Academic Chemistry, students should expect to fully complete nightly assignments outside of class and be self-motivated and proactive in seeking assistance from their instructor with concepts or calculations they do not understand. Students should be aware that absences should be kept to a minimum as they will have an adverse effect on grades and the lab experience. Chemistry is a cumulative subject and the course builds upon previous information so the amount of information that must be retained increases with each section. (7 periods)

Prerequisite: Completed Physical Science and Biology Academic or Biology Honors with a grade of C or better, completed Integrated Math II with a grade of C or better or be taking concurrently and Science Teacher Recommendation

Chemistry Academic Online follows the traditional Chemistry Academic curriculum and textbook, but allows students to use present technology, such as laptop computers, the Internet, audio and video podcasts, I-Tunes University, the CPS clicker system, TI-83 calculators, and virtual experience software to study matter: its structure, behavior, how it combines, and the changes it undergoes. Laboratory experiences will be presented in various ways, including the traditional lab setting, experiments performed outside of class and virtual lab scenarios. Students will be exposed to how chemistry impacts society, including the students' personal and future professional lives. Students will use chemical principles and technology to think more intelligently about current issues involving science and how it affects their lives. A great deal of emphasis will be placed on mathematical functions and how they are applied to chemical situations, so students will need to be prepared to bring a scientific calculator to every class. Students will need a reliable, high-speed Internet connection in their homes and may find it convenient to have a personal MP3 player. This course is taught 90% online. (7 periods)

Prerequisite: Biology Honors grade B or better, or Biology Academic grade A, Integrated Math II Honors grade B or better or Integrated Math II Academic grade A and Science Teacher Recommendation

Chemistry Honors is an introductory course intended for students who are planning careers in science, medicine and engineering. It involves an examination of the major concepts and theories of inorganic chemistry; experimental basis for these ideas and their historical context. Emphasis is also placed on quantitative relationships and problem solving. The laboratory portion of the course provides opportunities for students to develop and clarify concepts and relationships while developing skill and confidence in the execution of experiments and analysis of results. To succeed in Chemistry Honors students should expect to fully complete nightly assignments outside of class and be self motivated and proactive in seeking assistance from their instructor with concepts or calculations they do not understand. There will be little review time in class. Students should be aware that absences should be kept to a minimum as they will have an adverse effect on grades and the lab experience. Chemistry is a cumulative subject and the course builds upon previous information so the amount of information that must be retained increases with each section. A graphing calculator is required for this course. (7 periods) *Please see page 4 for guidelines for removal from this course.*

Prerequisite: Chemistry Honors grade B or better, Integrated Math III Honors grade B or better and Science Teacher Recommendation. AP Chemistry should be taken after or concurrently with a physics course.

AP Chemistry is intended as a course for those students who are interested in pursuing a career in science and engineering and have the interest and ability to study college level material in high school. This course covers the major topics of the first year college chemistry curriculum including in-depth treatments of atomic theory, bonding theory, acids and bases, thermodynamics, equilibrium and oxidation-reduction. A heavy emphasis will be placed on problem solving and laboratory investigation. Past AP Chemistry students who experienced success in the course typically committed themselves to an additional six hours of studying and problem solving outside of class per week. Students who select AP Chemistry should be self-disciplined and of the maturity level expected for a college level course. Students who complete this course are expected to take the AP examination; students who pass this exam secure between 8 and 10 college credits. This exam is administered in May and is taken at the student's expense. A graphing calculator (TI-83+) is required for AP Chemistry. (7 periods) *Please see page 4 for guidelines for removal from this course.*

Prerequisite: Successfully completed Chemistry Academic and Integrated Math III with a C or better and Science Teacher Recommendation

Physics Academic is a first year physics course designed to increase understanding and appreciation of the physical world for the student planning future study in the areas of liberal arts, communications or business. It is not recommended for students planning to study engineering. Mathematical problem solving strategies will be utilized to analyze physical principles. This course differs in depth, pace and order of topics from Physics Honors. This is a very student-centered, hands-on course and the student is expected to be responsible and accountable for his/her learning. Topics that may be addressed will include: measurement and data analysis; linear, rotational and oscillatory motion; vectors, forces and Newton's Laws; energy and momentum; waves and sound; electricity, magnetism and light. Applications of the principles discussed in class will be investigated through activities, demonstrations and laboratory exercises. A graphing calculator is required for this course. (6 periods)

Prerequisite: Chemistry Honors grade B or better or Chemistry Academic grade A, Integrated Math III Honors grade B or better or Integrated Math III Academic grade A and Science Teacher Recommendation

Physics Honors is a first year algebra-based physics course designed for the college bound student planning to study science, medicine, engineering or any highly motivated student with a strong desire to learn more about the physical world. This course utilizes mathematical problem solving to quantify observable phenomena more rigorously than Physics Academic, but less extensively than AP Physics. A working knowledge of trigonometry is expected. This course will be conducted at an accelerated pace and students will be expected to make connections with the subject matter across topics and disciplines in an interactive, often technological environment as they develop and apply problem solving skills in both the lecture and laboratory portions of the course. This is a very student-centered, hands on course and the student is expected to be responsible and accountable for his/her learning. Topics to be addressed will include: the nature of physics; measurement and data analysis techniques; linear, circular, rotational and oscillatory motion; vectors, forces and Newton's Laws; energy and momentum; waves and sound; optics, electricity, magnetism, and optics. Applications of the principles discussed in lecture will be investigated and quantitatively analyzed in the laboratory. A graphing calculator is required for this course. (6 periods) *Please see page 4 for guidelines for removal from this course.*

Prerequisite: Physics Honors grade B or better or Physics Academic grade A, must be enrolled concurrently in Calculus or have already completed Calculus, and Science Teacher Recommendation

AP Physics C: Mechanics and Electricity & Magnetism together represent a rigorous, year-long second year course of study in physics and is for the student planning a career in science, medicine, engineering or any highly motivated student. This course emphasizes a thorough understanding of physics principles and concepts and the advanced placement student is expected to develop sophisticated problem solving skills, an ability to think critically and an appreciation of the world in which he/she lives. Problem solving will include the use of calculus. Studies of mechanics are generally found during the first semester with studies of electricity and magnetism during the second semester. As this is a college level course, the student is expected to effectively utilize time outside of the classroom for studies of physics. Topics to be addressed will include kinematics in one and two dimensions; forces and Newton's Laws; work, energy, power and momentum; rotational and oscillatory motion; the nature of charge, the electric force, Gauss's Law and electric fields; electric potential; current, resistance and electric circuits; the nature of magnetism and the magnetic field and electromagnetic induction. Following the exam students will pursue studies of additional physics topics of interest through research and projects/activities. Students who complete this course are expected to take the AP examination in Mechanics and/or Electricity and Magnetism. This exam is administered in May and taken at the student's expense. This course provides the student with the opportunity to potentially receive credit for the first and possibly the second semesters of college physics. A graphing calculator is required for this course. (7 periods) *Please see page 4 for guidelines for removal from this course.*

GEOSCIENCE ACADEMIC (0408) **Grade 12** **1.0 credit** **1 year**

Prerequisite: Integrated Math II or Integrated Essentials Math 3 with a passing grade and Science Teacher

Recommendation

Geoscience Academic is a full year course designed to provide an in-depth approach to concepts and relationships in astronomy, oceanography, meteorological studies, and physical and historical geology. Study in advanced astronomy concepts will emphasize astronomical history, measurement, and the nature of the moon, sun, stars, stellar material, planets and space travel. Oceanography studies will concentrate on oceanic features, geology of the ocean, oceanic movements, life in the ocean and oceanic resources. Meteorological studies will focus on how and why our weather occurs and its effect on our daily lives. The utilization of the Weatherbug weather program will enhance problem solving and application opportunities for students. (5 periods)

GEOSCIENCE HONORS (0419) **Grade 11, 12** **1.0 credit** **1 year**

Prerequisite: Must have completed Biology, Chemistry and either completed or be concurrently enrolled in Physics, Integrated Math II Academic, grade B or better, or passing grade in Integrated II Honors and Science Teacher

Recommendation

Geoscience Honors is a full year course intended for college bound students with a passion for Earth and Space science. Topics involve the study of Earth's Systems (the hydrosphere, cryosphere, lithosphere, atmosphere and biosphere) and outerspace with an intense focus on geology, meteorology and oceanography. These include, but are not limited to, issues such as the history of the earth; crustal deformation and global tectonics; the earth's interior; geological features; the atmosphere; meteorology; severe storms; climate change; and characteristics of the ocean environment. This course will give students the ability to research and discuss current issues concerning weather and climate and how they are linked to the other aspects to Geoscience. It is a lecture and activity-oriented course, integrating many concepts across the science disciplines. This course features many challenging laboratory activities and computer simulation exercises that reinforce each unit, as well as some of the latest GPS/GIS technology. (5 periods) *Please see page 4 for guidelines for removal from this course.*

MOLECULAR GASTRONOMY ONLINE (04200NL) **Grades 9, 10, 11, 12** **0.5 credit** **1 sem**

Prerequisite: May take concurrently with Honors Chemistry or completed either Honors Chemistry with a grade of C or better or Academic Chemistry with a grade of B or better.

Molecular Gastronomy is a discipline practiced by scientists that studies the chemical and energy processes that occur in the preparation of food. Molecular Gastronomy seeks to investigate and explain the chemical and biochemical concepts behind the transformation of ingredients that involve water, salts, proteins, carbohydrates (sugars), fats and enzymes. Energy changes will also be investigated as they pertain to microwaves, pressure cookers, steamers and conventional convection ovens. It is a branch of chemistry destined to reinvent cooking. This course is a science elective designed for students who have an interest in real world applications of chemical principles and will expose students to various career options. Students will use books written by University of Pittsburgh professor Robert L. Wolke as unconventional textbooks along with online resources. Students will collaborate on research, discussions, projects, and tasty experiments. This course is taught 90% online.

Social Studies Department



SOCIAL STUDIES COURSE OFFERINGS

	Grade 9	Grade 10	Grade 11	Grade 12
Required	Choose one: <ul style="list-style-type: none"> American Government Academic American Government Honors 	Choose one: <ul style="list-style-type: none"> World Cultures Academic World Cultures Honors 	Choose one: <ul style="list-style-type: none"> American History Academic American History Honors American History Advanced Placement 	Choose one: <ul style="list-style-type: none"> Economics Academic Economics Honors Choose one: <ul style="list-style-type: none"> History of Western Civilization Academic History of Western Civilization Honors OR (full year course): <ul style="list-style-type: none"> European History Advanced Placement ONLINE (can only replace Western Civilization)
Electives	<ul style="list-style-type: none"> Leadership History in the Headlines 	<ul style="list-style-type: none"> AP Psychology American Legal Systems History in the Headlines Leadership Sociology 	<ul style="list-style-type: none"> *AP European History Online *Economics Academic or Honors *History of Western Civilization (Acad or Honors) AP US Government AP Psychology American Legal Systems Community Service Online History in the Headlines Law & Government Mentorship Leadership Sociology 	<ul style="list-style-type: none"> AP European History Online AP US Government AP Psychology American Legal Systems Community Service Online History in the Headlines Law & Government Mentorship Leadership Sociology

*Option to fulfill part of Grade 12 requirements in advance

A. Social Studies Required Course Offerings

AMERICAN GOVERNMENT ACADEMIC (0200) Grade 9 1.0 credit 1 year

Prerequisite: None

The goal of this course is to provide a theoretical and practical understanding of the origin, structure and function of the unique system of American government. Topics include the foundations of our Constitution and Bill of Rights, the various methods by which citizens can participate in government, and an examination of the structure and function of the three branches of government at the federal, state, and local levels.

AMERICAN GOVERNMENT HONORS (0219) Grade 9 1.0 credit 1 year

Prerequisite: 8th grade Teacher Recommendation

This rigorous honors course provides both an introduction and analytic perspective to the foundations, principles and concepts that shape our government. This course includes extensive out-of-class reading and outlining along with a requirement for in-class verbal participation, and will place an emphasis on the development of critical thinking, writing, and application of knowledge skills. Students will be asked to identify, explain and analyze the institutions and practices of US democracy, the structure and function of the US Constitution and Bill of Rights, and the relationship between the three branches of government at the federal, state and local levels. *Please see page 4 for guidelines for removal from this course.*

WORLD CULTURES ACADEMIC (0224)**Grade 10****1.0 credit****1 year**

Prerequisite: None

This course will serve as an introduction to the interdependent nature of our global community. It will consist of the non-western regional (e.g., Middle East, Africa, South Asia, East Asia, Oceania/Southeast Asia, Eastern Europe, and Latin America) study of world cultural systems (e.g., political, social and economic), as well as the dynamics of cultural development and change, and the mastery of placement geography.

WORLD CULTURES HONORS (0218)**Grade 10****1.0 credit****1 year**

Prerequisite: B or better in previous Honors course; A in previous Academic course; and Teacher Recommendation

This rigorous Honors course will explore the interdependent nature of our global community and examine cross-cultural understanding and cooperation. Students will develop their knowledge of other peoples and their cultures through extensive reading, high-level writing/research assignments, debates, and historical simulations designed to enhance their critical thinking skills. The course will include nightly homework assignments and supplemental text reading to explore concepts in greater depth and complexity. *Please see page 4 for guidelines for removal from this course.*

AMERICAN HISTORY ACADEMIC (0203)**Grade 11****1.0 credit****1 year**

Prerequisite: None

This course in modern American History will use a chronological cause and effect approach to the political, economic, and social history of the United States from the 1940's to the present day. The course focuses on the decisions, events, and people that shaped our nation's history in the mid to late 20th century. Areas of concentration include US diplomacy and involvement in foreign wars, the increasing role of government in American life, the changing status of women and minorities, and areas of significant social and economic change.

AMERICAN HISTORY HONORS (0221)**Grade 11****1.0 credit****1 year**

Prerequisite: B or better in previous Honors course; A in previous Academic course; and Teacher Recommendation

This rigorous honors course in modern American history emphasizes the political, economic, and social history of the United States from the 1890's to the present day. It will include nightly homework and reading assignments. An emphasis is placed on high-level writing/research assignments, and document-based question analysis. It necessitates critical thinking skills through class participation in discussion and debates. The course focuses on the decisions, events, and people that shaped our nation's history in the 20th century to the present. Areas of concentration include US diplomacy and involvement in foreign wars, the increasing role of government in American life, the changing status of women and minorities, and areas of significant social and economic change. Students will analyze the past to inform and analyze the present. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT AMERICAN HISTORY (0205)**Grade 11, 12****1.0 credit****1 year**

Prerequisite: B or better in previous Honors or AP course; A in previous Academic course; Teacher Recommendation

This rigorous course is a comprehensive survey of American history and culture that requires a high level of interest and competence. The course extends chronologically from the early explorations of the New World to the present. There are extensive reading assignments from a college text, selected literature, primary sources, and collections of historical viewpoints. This course also focuses on writing which includes assigned document-based and thesis-based essays. Additional assessments include standardized college tests and various debates and historical simulations. Students who successfully complete the course are encouraged to take the Advanced Placement Exam (at their own expense) in May of each school year. *Please see page 4 for guidelines for removal from this course.*

ECONOMICS ACADEMIC (0208)**Grade 11, 12****0.5 credit 1 sem.**

Prerequisite: None

This academic course is designed as an introduction to the fundamental concepts and principles of economics, and in particular those that are basic to the American economic system. The course will provide students with the opportunity to examine economic topics in some depth, applying the analytic techniques of the discipline. Topics include: the market system; national economic institutions; the roles of business, labor, and government; gross domestic product; money and banking; fiscal and monetary policy, economic growth and stability, federal, state, and local tax structure; and international economics.

ECONOMICS HONORS (0222)**Grade 11, 12****0.5 credits 1 sem.**

Prerequisite: B or better in previous Honors course; A in previous Academic course; and Teacher Recommendation

This Honors course will provide a theoretical introduction to the fundamental concepts/principles of economics, and in particular those that are basic to the American economic system. Students will examine both micro- and macroeconomic topics in great depth, apply analytic research techniques of the discipline, and provide extensive written analysis of the subject. Topics include: supply, demand, and price determination, the free market system, national economic institutions, the roles of business, labor, and government, strategies of saving and investing, measurements of economic performance, financial literacy, the Federal Reserve and banking system, monetary and fiscal policy, taxation, deficits, the national debt, theories of economic growth and stability, globalization and international trade issues *Please see page 4 for guidelines for removal from this course.*

HISTORY OF WESTERN CIVILIZATION ACADEMIC (0225)**Grades 11, 12****0.5 credit****1 sem.**

Prerequisite: None

This academic course is a survey of the history of western civilization. The course will begin with an overview of the age of Greco-Roman civilization, and continue in greater depth (Middle Ages, Renaissance and Reformation, Age of Imperialism, etc.) to the turn of the 20th century. Parallels will be drawn to events in modern history and to the significance of western civilization upon our American culture.

HISTORY OF WESTERN CIVILIZATION HONORS (0224)**Grades 11, 12****0.5 credit****1 sem.**

Prerequisite: B or better in previous Honors course; A in previous Academic course; and Teacher Recommendation

This rigorous honors course is a survey of the history of western civilization. The course will begin with an overview of the age of Greco-Roman civilization, and continue through the Middle Ages, Renaissance, Age of Enlightenment and the French Revolution. Students will engage in extensive amounts of independent reading, higher-level writing/research assignments, analysis of social, economic and political events, evaluation of primary sources and group discussions or historical simulations. Parallels will be drawn to events in modern history and to the significance of western civilization upon our American culture. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT EUROPEAN HISTORY ONLINE (02100NL)**Grade 11, 12****1.0 credit****1 year**

Prerequisite: B or better in previous Honors/AP course; A in previous Academic course; Teacher Recommendation

This course will be a study of European history from 1450 (the Renaissance) to the present. An emphasis will be placed on intellectual and cultural, political and diplomatic, and social and economic history of Europe. Students will have extensive required reading, many analytic writing/research assignments, and formal assessments in a seminar classroom setting. . Students who successfully complete the course are encouraged to take the Advanced Placement Examination, (at their own expense), administered in May of each school year. This course is taught 90% online. *Please see page 4 for guidelines for removal from this course.*

A. Social Studies Elective Course Offerings

ADVANCED PLACEMENT AMERICAN GOVERNMENT & POLITICS (0202) Grades 11, 12 0.5 credit 1 sem.

Prerequisite: A or better in Academic American Government, B or better in Honors American Government or Teacher Recommendation

This course is designed to provide students with an analytic perspective regarding American government and politics. It involves the study, research, and written analysis of general concepts and theories used to interpret US government and politics. The course utilizes a text, computer simulations, case studies, and current event resources. The course requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US political reality. Students who successfully complete the course are encouraged to take the Advanced Placement Examination (at their own expense), administered in May of each school year. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT PSYCHOLOGY (0213) Grades 10 (by appointment), 11, 12 1.0 credit 1 year

Prerequisite: B or better in previous Honors course; A or better in previous Academic course; and Teacher Recommendation

The goal of this rigorous course will be to promote a greater understanding of the methodology, theory, and research of psychology. This course will provide an introduction to the principle subject areas that make up the scientific study of human behavior. Students will have extensive required reading, many analytic writing assignments, and formal assessments in a seminar classroom setting. Students who successfully complete the course are encouraged to take the Advanced Placement Examination (at their own expense), administered in May of each school year. *Please see page 4 for guidelines for removal from this course.*

AMERICAN LEGAL SYSTEMS (0206) Grade 10, 11, 12 0.5 credit 1 sem.

Prerequisite: None

American Legal Systems is designed to provide students with a realistic understanding of law and the legal system in the United States. Emphasis will be on practical, participatory education concerning the law, legal rights and responsibilities, engagement in the democratic process, and the criminal justice system. The course is designed to improve basic skills, including observation, problem solving, critical thinking, and reasoning. The curriculum includes a balance of legal knowledge and application of this knowledge through discussion and activities such as legal case studies and a mock trial. This course also exposes students to real-life situations related to law by providing guest speakers, and may include field trip opportunities to local courts. This course will give students an introduction to the knowledge and skills that are required for a legal career, but it is not limited to those considering such a vocation.

COMMUNITY SERVICE ONLINE (0207ONL) Grade 12 0.5 credit 1 sem.

Prerequisite: Grade 11 by appointment only, the student must have a valid driver's license, be able to provide his/her own automobile transportation to and from the Community Service site, be in good standing with attendance and grades, and have no disciplinary occurrences that involve a suspension.

Students enrolled in community service will engage in active participation in community service at delegated, local, non-profit or for-profit community agencies/sites. These sites include but are not limited to hospitals, nursing homes, libraries and day-care centers. After an orientation period, students will meet weekly for one period of classroom instruction and four periods of field experience at the community service site. Evaluations will be based on the completion of a set of competencies, including, but not limited to: 54 hours of documented community service, a daily journal, weekly class attendance and individual/group projects. This course is taught 90% online.

Prerequisites: None

Students will develop a historical perspective through inquiry and analysis of current social, political, economic, and technological world, national, and regional events. This course will be taught through the use of mainstream news sources. Students enrolled in this course will increase their knowledge of world, national, and regional issues. They will enhance their ability to observe events from a critical perspective and improve their global awareness.

Prerequisites: AP Government OR American Legal Systems; Teacher recommendation; students must be in good standing with attendance, grades, and discipline. The student must be able to provide his/her own automobile transportation to and from the mentoring site as well as complete the mentorship application in Appendix B and submit to the counseling office prior to scheduling. Due to class size limitations, a committee will review will review applications using rubric (Appendix B).

The goal of American Legal Systems II Mentoring is to further enhance the practical “real world” experiences of students interested in pursuing a post-secondary career in a law or government related field. The students will spend clinical time reviewing case studies within the classroom to prepare for the “real world” placement. Students will be placed in community-based situations (e.g., law offices, court houses, local government offices) and mentored under the supervisor of an adult at the site. Students will be required to log 30 hours at the mentoring site. This course will give students an introduction to the knowledge and skills that are required for a legal career, but it is not limited to those considering this field.

Prerequisite: None

The main emphasis of this course will be to help students become personal leaders. Students will develop skills and study the components of personal mastery. Also, students will analyze the positive and negative aspects of historical and contemporary leaders. This course is excellent for students interested in leadership roles in the family, school, or community environments.

Prerequisite: None

Students taking sociology will be provided with a greater understanding and appreciation of the theoretical background, content, and research methodology of the field of sociology. The course is designed as an introductory survey addressing topics such as: cultural diversity, social structure, group dynamics, adolescence, deviance, and socialization. In this course, students will examine socially transmitted beliefs, values, institutions, behaviors, traditions and way of life of a group of people and their interaction with one another. Students will leave the course with the ability to answer the questions: Why do individuals behave as they do? What influences how people learn, perceive, and grow? How do people meet their basic needs in a variety of contexts? How do individuals develop over time? How do social and cultural interactions support the development of identity? Special focus will be placed upon the student recognizing his/her relationship to peers, social groups, and institutions.

Business Computer Information Technology Department



Business Computers Information Technology Course Offerings

A. Business Education Course Offerings

ACCOUNTING I ONLINE (0800ONL)	Grades 10, 11, 12	1.0 credit	1 year
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Prerequisite: None

All students who will major in business or who will at one time have their own business (law firm, medical/dental office, etc.) are encouraged to take this course. This class will introduce students to computerized financial accounting. The primary objective of the course will be to learn the rules and procedures of accounting for a profit-motivated business. All journals, ledgers, worksheets, financial reports, and study guides will be completed using a web-based accounting tutorial site (Aplia.com) which will provide immediate feedback. Students will expand their knowledge of Excel spreadsheets, and computerized simulations for proprietorships, partnerships, and small corporations. Assessments will be web-based and students will become proficient in using Blackboard.com.

ACCOUNTING II (0801)	Grades 11, 12	0.5 credit	1 sem.
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Prerequisite: Accounting I with a C or better required

This is an advanced financial accounting course where emphasis will be placed on the multiple partnership and corporate forms of business enterprises. Although there will be a review of Accounting I concepts, the course will include in-depth work on topics such as depreciation, bad debts, cost accounting, notes, and stocks and bonds. Numerous Excel spreadsheet activities will be integrated throughout the course. Accounting II is strongly recommended for students who plan to enroll in post-secondary institutions with a business program. This course will use web-based journals, ledgers, worksheets, financial reports, and study guides.

BUSINESS 101 (0806)	Grades 9, 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: None

This course will give you a foundation of business topics that include business basics (pricing, staffing, financing and purchasing), information technology, international business, and human resource management. Students will learn these concepts by using a computerized virtual simulation. Find out the many opportunities that the field of business has to offer!

ENTREPRENEURSHIP AND BUSINESS MANAGEMENT (0803)	Grades 11, 12	0.5 credit	1 sem.
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Offered alternating years (2012-13)

Prerequisite: None

Do you want to own your own business someday? Are you going to pursue a career in business? Then come behind the scenes of business operations and learn entrepreneurship, human resources, financial management, communications, marketing, e-commerce, and global integration. The purpose of this course is to provide the student with an understanding of business from the entrepreneur's point of view. Substantial time is spent investigating how an idea is developed into a business and how that business is created and managed through the use of technology, partnerships with businesses, and hands-on activities.

MARKETING (0804)	Grades 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: None

Marketing influences your life! Become aware of its importance in our society and how products/services are created, planned, priced, promoted, distributed, and maintained in the marketplace. Solve problems, use the Internet, and learn how marketing may be used to satisfy personal and business objectives.

B. Computer Application Elective Course Offerings

INFORMATION TECHNOLOGY (0810) Grade 9 Required; Grades 10, 11, 12 (Elective) 0.5 credit 1 sem.

Prerequisite: Keyboarding Skills

Students will build skills needed to develop electronic portfolios, resumes, and begin career exploration for their graduation project, as well as meet the state standards for computer technology. This is a required course for graduation and assists with a component of the graduation project. Students may not test out. Students will learn to use Microsoft Office 2007 Word and PowerPoint to produce creative documents, reports, and stunning presentations and utilize Access and Excel's power to manage data. This course is necessary for all students to be successful in college and in their personal computing. Components of this course will include interactive online training and assessments.

INFORMATION TECHNOLOGY HONORS ONLINE (0811ONL) Grades 9, 10, 11, 12 0.5 credit 1 sem.

May be used in place of the 9th grade required course for technology with Teacher or Counselor Recommendation

This fast-paced and rigorous course is designed to teach the skills and concepts of Microsoft Office 2007 along with computer application concepts typically encountered in the first two semesters of college and beyond. Boost your technological skills in creating documents, spreadsheets, databases, and presentations. Work on expanding, reinforcing and integrating Microsoft Office with "hands on" applications. This course will include the graduation project component of electronic portfolio and resume. This course will be taught 90% online. *Please see page 4 for guidelines for removal from this course.*

DIGITAL DESIGN (0824) Grades 9, 10, 11, 12 0.5 credit 1 sem.

Prerequisite: None

From color correction to effective typography, Digital Design will strengthen your graphic design skills and mastery of image creation and editing software. This course begins with a study of concepts and skills in graphic design using industry-standard illustration, digital publishing, and image editing applications. Editing photos, designing web graphics, laying out brochures and magazines, illustrating journals, and creating packaging are just some of the challenges students will encounter along the way. Evaluation is based on creativity, work ethic, demonstration of fundamentals, and timely completion of individual projects.

WEB PAGE DEVELOPMENT (0825) Grades 9, 10, 11, 12 0.5 credit 1 sem.

Prerequisite: None

The goal of this class is to give you the knowledge and practical experience of being a Web designer. It will give you an all-around ability to understand Web development as it applies to personal and professional use. Students in this course will create dynamic web pages using HTML, CSS, and Web design software, and will focus on basics—typography, graphics, and page layout. Students will also use Flash to create dynamic, interactive multimedia presentations. This class will consist of discussions, Web assignments, lab projects, Internet searches, and group work.

Prerequisites: Business 101 or alternate BCIT course with approval and a BCIT course related to their chosen career cluster. Future Business Leaders of America membership is recommended. Teacher recommendation, students must be in good standing with attendance, grades, and discipline. The student must be able to provide his/her own automobile transportation to and from the mentoring site as well as complete the mentorship application in Appendix B and submit to the counseling office prior to scheduling. Due to class size limitations, a committee will review applications using rubric (Appendix B).

This course is designed to further the educational experience for students who are seeking college degrees in the Business Computer Information Technology (BCIT) field. Through this semester class, students will further enhance the practical “real world” experiences for the business clusters of Accounting/Finance, Management/Marketing, and Computer Technology. Students will spend classroom time (twice a week) developing soft skills within the classroom to prepare for their career based placement. Community based businesses (three days a week) will provide the BCIT mentorship component. Students will complete a minimum of 50 hours with their community based assignment.

C. Computer Programming Elective Course Offerings

ADVANCED PLACEMENT COMPUTER SCIENCE A (0836)

Grade 11, 12

1.0 credit 1 year

Prerequisite: Beginning Java: and a either C++ or Visual Programming and Teacher Recommendation

This class is designed to give students a comprehensive understanding of Java and to meet the objectives and standards for the AP Test. Some of the concepts that the students will learn in this course are: methods, classes, and objects, advanced object concepts, input, selection, and repetition, arrays and strings, applets, graphics, introduction to inheritance, advanced inheritance concepts, file input and output, abstraction, and multithreading and animation.

CHS COMPUTER PROGRAMMING JAVA (0837)

Grades 9,10,11,12

0.5 credit 1 sem.

Prerequisite: None (*University of Pittsburgh College in High School Course number CS007 – 3 College Credits)

This is a beginning level programming course using Java. The focus of this course is on problem analysis and the development of algorithms, along with the writing of computer programs. Some of topics students will learn include: algorithms, programming fundamentals, statements and control flow; methods (functional abstraction), arrays, objects (data abstraction), and reading and writing files. *For other information on Pitt’s grading, tuition, policies, and procedures, please see your teacher or visit www.as.pitt.edu/chs.

CHS COMPUTER PROGRAMMING VISUAL BASIC (0834)

Grades 10, 11, 12

1.0 credit 1 year

Prerequisite: CHS Computer Programming CS007 (*University of Pittsburgh College in High School Course number CS004 – 3 College Credits) OFFERED 2012-2013

This course is an advanced programming course using Visual Basic. Topics include problem analysis, development of algorithms, statements, commands, debugging, loops, control structures, expressions and operators, the top-down programming concept, subroutines, arrays, nested structures and loops, logical operators, sorting algorithms, string data, character string manipulations, file access, graphics, sound, and color. *For other information on Pitt’s grading, tuition, and policies and procedures, please see your teacher or visit www.as.pitt.edu/chs.

C++ (0829)

Grade 10, 11, 12

1.0 credit 1 year

Prerequisite: 2 Semester’s Prior Programming Experience or Teacher Recommendation OFFERED 2013-2014

This course is designed to teach students how to write algorithms (complex) and code programs using procedural and object-oriented programming in C++. Some of the concepts that the students will learn to code in C++ are: arithmetic operations, comparing, loops, nested loops, functions, data files, records, arrays, multidimensional arrays, sorting, parameters, pointers, and classes. This class will give a solid foundation in C++ and will prepare the student for the AP Computer Science – Java course.

Pre-requisite: None

One of the most exciting opportunities in programming today is the video game industry. Careers include: modeler, programmer, and even traditional artist. The class is designed for students with or without programming experience to create a video game. Some of the concepts students will learn are: algorithms, variables, arithmetic equations, control structures, methods, GUI's, objects, graphics, sound, animation, and scripting in a gaming environment.

Fine Arts Department



A. Art Department Offerings

ART I (0600)	Grade 9	0.5 credit	1 sem.
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Prerequisite: None

Art I serves as a foundation course for freshmen interested in taking additional art classes here at the high school. Art I incorporates exercises and major projects designed to increase visual skills and knowledge of the elements of Art using of a wide variety of materials. Art I stresses design principles in compositions with organized expression. Projects may include drawing, painting, color theory, still life or textural studies. This course is designed to increase art appreciation in the student through a hands-on exploration of Art History.

ART II (0601)	Grades 9, 10	0.5 credit	1 sem.
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Prerequisite: Art I

Art II is a one-semester course that serves as a continuation of the concepts introduced in Art I. Students will further explore the study of color though painting and drawing skills will continue to be developed. Additionally, students will work with texture and collage in mixed media projects as well as explore three dimensionally with sculpture.

ART III (0613)	Grades 10, 11, 12	1.0 credit	1 year
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Prerequisites: None

This course is designed for any student who wishes to explore the visual arts as a medium of expression. Projects are designed to accommodate almost any student's level of skill. This full year course provides in depth opportunities to experience the elements of Art using a variety of media within an open environment. Art III will introduce the student to a variety of concepts and activities, which may include drawing, design, mask making, printmaking, painting, mixed media, sculpture and computer generated imagery. Areas of study will also include hands on art history, written expression and critical analysis.

ADVANCED ART HONORS (0617)	Grades 11, 12	1.0 credit	1 year
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Prerequisite: Teacher Recommendation, two prior art courses (does not include Ceramics) with a B grade or better.

This is an upper-level cumulative program course for the student with a special ability and skill in art, who is interested in stimulating his/her personal artistic development. This individualized course is a must for those students interested in the visual arts as a career or serious avocation. Nearly all media and processes will be available to the student who will define his/her own approach to art according to planned activities designed to benefit the student. This is a full year college level course providing in depth opportunities to further explore a variety of media within an open environment. In addition to teacher directed lessons, the instructor and student will mutually agree upon activities. Students will work towards the following goals: independence, unique artistic voice, quality craftsmanship, innovative solutions, high productivity and college level mastery of art techniques. Art will also be explored historically and critically. There is an emphasis on portfolio development and presentation of artwork. Keeping a visual diary is required. *Please see page 4 for guidelines for removal from this course..*

ADVANCED ART A (0603)**Grades 11, 12****0.5 credit****1 sem.**

Prerequisite: Teacher Recommendation, two prior art courses (does not include Ceramics) with a B grade or better.

This is an upper level course providing many of the opportunities featured in Advanced Art I Honors, but offered for only one-semester for the student with a special ability and skill in art. This individualized course is a must for those students interested in the visual arts as a career or serious avocation. Nearly all media and processes will be available to the student who will define his/her own approach to art according to planned activities designed to benefit the student. This semester course provides in-depth opportunities to further explore a variety of media within an open environment. Students will work towards the following goals: independence, quality craftsmanship, innovative solutions, high productivity and mastery of techniques. Art will also be explored historically and critically.

ADVANCED ART B (0615)**Grades 11, 12****0.5 credit****1 sem.**

Prerequisite: Teacher Recommendation, Advanced Art A, two prior art courses (does not include Ceramics) with a grade of B or better.

This advanced level course is for the self-motivated art student with high skills and creativity who is interested in the visual arts as a career. Students will continue to further develop and research a variety of art processes and concepts addressed in the first semester Advanced Art classes as they build a portfolio. In addition to teacher directed lessons, the instructor and student will mutually agree upon activities. Art criticism processes will be employed during required independent visits to galleries and exhibitions, in addition to classroom research.

CERAMICS I (0604)**Grades 10, 11, 12****0.5 credit****1 sem.**

Prerequisite: None

This basic pottery class will include extensive studio work in hand-building and wheel-throwing techniques. Hand-built techniques will explore coil, pinch-pot, drape and/or slab, as well as, sculpture construction in clay. Wheelwork will include cylindrical forms (straight and shaped) and bowl forms. Various firing/glazing techniques and historical/cultural aspects of ceramics will be discussed and reviewed.

CERAMICS II (0605)**Grades 10, 11, 12****0.5 credit****1 sem.**

Prerequisite: Mastery of Ceramics I with a C or better as well as Teacher Recommendation

This advanced pottery class will include extensive studio work in hand-building and wheel-throwing techniques. Students will build upon and refine skills established in Ceramics I. Experimentation in glazing techniques and wheel-throwing forms and development of individual styles will be addressed. Hand-built techniques will explore coil, pinch-pot, drape, and/or slab, as well as, sculpture in clay. Wheelwork will include cylindrical forms (straight and shaped), cup/mug and pitcher forms, plates, bowls, and lidded forms.

CERAMICS HONORS (0616)**Grades 11, 12****1 credit****1 year**

Prerequisite: Mastery of Ceramics 1 & 2 with an A average as well as Teacher Recommendation

The Honors Ceramic course is designed for students who are seriously interested in the practical experience of ceramic art and wish to develop mastery in the concept, composition, and execution of their ideas. Students will experience a variety of concepts, techniques, and approaches for the wheel, as well as, hand-building, designed to help them demonstrate their abilities their versatility with techniques, problem solving, and ideation. This is a college-level course. *Please see page 4 for guidelines for removal from this course.*

DRAWING AND DESIGN (0606)	Grades 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: None

This course is based on the premise that anyone can learn how to draw. A variety of practice exercises are provided in order to develop understanding of how artists look at the drawing subject. The media and exercises are designed to develop realistic drawing skills. These skills are then applied to a variety of projects from traditional still life to surrealist or abstract figural drawings. Various drawing media will be explored in black and white or color.

ELECTRONIC IMAGERY (0607)	Grade 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: None

Electronic Imagery is a visual art course designed to offer an in-depth investigation of a variety of "Paint" software applications such as *Adobe Photoshop* and *Corel Painter*. Students will learn how to use the computer as an art tool in the creation of original works of art and graphic designs. Students will learn to use a variety of tools to manipulate, edit and reproduce their own computer-generated images. The elements of art and principles of designs will be studied during the creation of art projects and graphic design projects such as posters, original clip art, CD covers, etc.

PAINTING (0608)	Grades 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: Teacher recommendation, two previous art classes with a B grade or better.

Painting is an advanced course that offers an introduction to watercolor and acrylic techniques. It is the perfect follow up course to Drawing and Design as strong drawing skills are needed. Color theory and composition will be explored and applied to painting projects. This course emphasizes developing knowledge of painting techniques through experimentation and exploration of painting media.

B. Music Department Offerings

COMPREHENSIVE MUSICIANSHIP (0664)	Grades 11, 12	0.5 credit	1 sem.
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Pre-requisite: Teacher recommendation

This course provides an opportunity for experienced instrumental or vocal students to focus and apply musicianship skills at a synthesis level. Students will explore historical perspectives, form and analysis of masterpiece compositions of various eras and styles, arrange music for small ensembles, conduct small ensembles, improvise at the keyboard, take rhythmic, melodic and harmonic dictation and consider problems of musical leadership within musical ensembles. Comparative interpretation of literature and repertoire will provide opportunities for increased development of skills in musical self-expression through performance on his/her vocals or chosen instrument. This is an excellent course for a student pursuing music as a college major.

COMPUTER MUSIC PRODUCTION I (0625)	Grades 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: Teacher recommendation

Computer Music Production is a course in creative musical composition and audio pre/post production for any high school student regardless of their musical background. This course will provide opportunities for students to understand, create and synthesize music and sound effects through the development of skills in music composition, Foley Artistry, sound effect production, ADR and many pre/post audio production skills in the electronic medium. Basic musical elements will be the focus on which students will develop creative musical ideas using electronic keyboards/synthesizers and music computer software applications.

COMPUTER MUSIC PRODUCTION II (0626)	Grades 11, 12	0.5 credit	1 sem.
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Prerequisite: Computer Music Production I or Teacher recommendation

Computer Music Production II is a continuation of the options to explore musical composition, Foley Artistry, sound effect production, ADR and many pre/post audio production skills in the electronic medium, using electronic keyboards/synthesizers and music computer software applications with an emphasis on the refinement, development and extension of creative ideas. Composition and electronic demonstration of student created musical art will be developed in larger musical forms. Projects will focus on musical composition and its application and coordination with visual media.

CONCERT BAND (0627)	Grades 9,10,11,12	1.0 credit	1 year
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Prerequisite: Teacher recommendation

This course provides an opportunity for the developing students to acquire additional technical skills beyond the middle school experience and become acquainted with the vast and ever-growing band repertoire. The repertoire will consist of selections from the march, show, orchestra and contemporary idioms. Particular emphasis will be placed upon ensemble playing and music interpretation and analysis. Students may be tested on their ability to play individual music selections and knowledge of terms and symbols. Performance of the band repertoire is an ultimate goal. Performance opportunities exist for students to perform as soloists, in trios, quartets and in County, District, and Regional band festivals. The Concert Band serves primarily underclassmen. Concert Band typically performs three concerts during the year. Dress rehearsals for public performances may be scheduled beyond the school day as needed. The class meets daily for a scheduled period.

CONCERT CHOIR (0632)	Grades 10, 11, 12	1.0 credit	1 year
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Prerequisite: None

Concert Choir provides an opportunity for the developing music student to acquire additional vocal technique in a large mixed ensemble through the continued study of music reading, vocal technique, music theory, and music history. A varied repertoire, consisting of traditional, Broadway, popular, as well as, folk and jazz literature is explored and performed. Several performances are presented each year and frequently the choir performs in festivals. Opportunities exist for qualified students to perform as soloists, in trios, or quartets at County, District, Honors, Regional and All-State chorus festivals.

CREATIVE MOVEMENT FOR DANCE THEATER & MUSIC (0675)	Grade 9,10,11,12	0.5 credit	1 sem.
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Prerequisites: None

You do NOT have to have any dance training/experience to take this course. This course will expose the student to the experience of dance! The course explores body movement as art, education and recreation. Its purpose is to make creative dance easy and enjoyable and to give students an opportunity to develop unique powers of creative expression and freedom through dance. The course also explores current events in the dance world and provides exposure to the study of body movement, choreography, dance history, eurhythmics and improvisation.

JAZZ BAND (0636)	Grades 10, 11, 12	1.0 credit	1 year
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Prerequisite: Teacher recommendation

Jazz Band is designed to provide orientation to all pertinent jazz techniques for the established instrumental music student. Content of the course includes an explanation of chords and the use of chord structure, articulations, relative note values and special effects. Great emphasis is placed on the student's developing creative abilities and instrumental technique, as well as, improvisation skills. The goal is for students to understand the style and to develop proficiency in

jazz and jazz-rock idioms. Performance opportunities occur as many as five times per year and dress rehearsals for these events may be scheduled outside of the school day.

KEYBOARD LAB (0640)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisite: None

Keyboard Lab will provide students the opportunity to develop beginning, intermediate and advanced piano and electronic keyboard skills. Students will work independently at their level of experience and progress through developmentally appropriate materials and literature. There will also be opportunities for students to participate in keyboard lab ensembles and to demonstrate their skill in a comfortable performance arena.

MIXED CHOIR (0653)	Grade 9	1.0 credit	1 year
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Prerequisite: Teacher recommendation

Mixed Choir is a performing ensemble primarily for freshmen. Vocal technique, music reading, IPA and increased musical awareness are stressed. Traditional, popular, jazz, folk, and Broadway selections are performed. This group performs independently and with the other choirs at least twice per year, and serves as a preparatory experience for membership in Concert and Symphonic Choirs. Opportunities exist for qualified students to perform as soloists, in trios, quartets and in County, District, Honors, Regional and All-State chorus festivals.

ADVANCED PLACEMENT MUSIC THEORY (0641)	Grades 11, 12	1.0 credit	1 year
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Prerequisites: Teacher Recommendation

Advanced Placement Music Theory is a course designed for music students with an advanced level of performance skill and theoretical knowledge. Generally students who are on a career path in music or who have successfully completed courses in Keyboard Lab, Music Theory, Computer Music Production I & II, or who can demonstrate prerequisite skills necessary to enter this course should enroll. Students who complete this course are expected to take the Advanced Placement Exam in Music. The exam is offered in May and is at the student's expense. This is an excellent course for a student who is pursuing the college music major. *Please see page 4 for guidelines for removal from this course.*

MUSIC THEORY ONLINE (0642ONL)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisite: None

Music Theory introduces the music student to the rudiments of music, rhythmic notation, interval recognition, scales, triads, chords, melody writing, harmonization and orchestration of simple melodies. The skills acquired help to form a solid foundation for the student who is interested in a music career. It will provide a more meaningful understanding of music to the student who chooses music as an avocation. Students will use computer software to reinforce theory concepts. This course is taught 90% online.

ORCHESTRA (0643)	Grades 9,10,11,12	1.0 credit	1 year
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Prerequisite: Teacher recommendation

Orchestra is a performing ensemble, which continues to extend technical skills leading to "hands-on" performance of representative string and symphony orchestra literature. Style, historical perspective, technical execution, ensemble playing and interpretation and critical analysis are aspects of study leading to two (2) or more public performances per year. Classes meet during the regular school day. One evening per week the strings meet to combine with woodwind, brass and percussion players to prepare and rehearse symphonic literature.

Prerequisite: None

This is the course for the students who wishes to study music beyond Middle School, but who is not a participant in a performing ensemble. The course involves the study of the impact of popular music throughout history and culture. Musical styles covered include, but are not limited to: early and contemporary rock, pop, rap, folk, jazz and Broadway. This course is taught 90% online.

Pre requisites: Students must complete at least two courses in Art, Music, Theatre and Dance with grades of at least B. Teacher recommendation; students must be in good standing with attendance, grades, and discipline. The student must be able to provide his/her own automobile transportation to and from the mentoring site as well as complete the mentorship application in Appendix B and submit to the counseling office prior to scheduling. Due to class size limitations, a committee will review will review applications using rubric (Appendix B).

PENDING BOARD APPROVAL

ProArts Experience is a course for the High School student who has special artistic skills in Visual Arts, Music, Theatre or Dance. Students will be given opportunities to broaden their understanding of art forms and the dimensions of their artistic skills with discipline-specific portfolio and audition development projects, career path exploration in field opportunities, and work with specific artisans in the Greater Pittsburgh area. This mentoring element in the arts builds on the master and apprentice relationship and engages the artistically talented student to further enhance and enrich his/her application within the greater arts community. Visual Arts opportunities will include visits to galleries and side-by-side mentoring by professional photographers, painters, sculptors, and graphic designers. Music opportunities may include master class performances and coaching by professional musicians in instrumental and vocal music, conducting, composing and arranging and recording arts. In theatre, acting students will gain experience working with professional actors, directors and playwrights as well as working in technical theatre. Dancers may have opportunities for coaching with choreographers and dancers in a variety of dance styles. In addition students interested in Arts Management may have placement opportunities with arts organizations. Personal arts practice will be documented through reflective writing and portfolio creation, as well as, project-based planning and production with two class meetings per week.

Prerequisite: Teacher recommendation

The Symphonic Choir is the advanced mixed choir and performs all styles of choral literature. Study includes vocal techniques, as well as, music reading, music theory, music history and a survey of the vast choral repertoire. Several performances are presented each year and frequently the choir performs in festivals and adjudication festivals. Opportunities exist for qualified students to perform as soloists, in trios, quartets and in County, District, Honors, Regional and All-State chorus festivals.

Prerequisite: Teacher recommendation

This ensemble serves to meet the instrumental music education needs of the advanced level performer. The Wind Symphony will perform a caliber of literature that will demand the highest quality of student musicianship. Students can expect to engage in an in-depth analysis of musical compositions and styles which will fully represent the highest quality of legitimate concert band literature. The Wind Symphony will perform throughout the year in a variety of venues, including adjudication festivals and public concerts. Outstanding instrumentalists will also have an opportunity to qualify for individual performance opportunities as potential participants in honors ensembles, which may include: Honors Band, District Band, District Orchestra, Regional Band, All-State Band and County Band. Wind Symphony meets daily during the school day with additional rehearsals scheduled outside school as needed.

Graduation Project Seminar



Prerequisite: None

This course will support the PTHS Graduation Project by reinforcing the goals, objectives and skills needed to complete an exemplary project. As students create a project of their own choosing that documents their career explorations, the instructor will provide them with feedback that will help deepen their skills and knowledge. Students will work with the instructor to determine the content and format of the final project. Students will finish this course with potential college admission essays, career experiences, and portfolios that can be presented to a potential employer or admissions officer. Students will be introduced to the writings of Stephen Covey, Thomas Friedman and other contemporary writers who analyze the workplace. The emphasis of this course will be on helping students prepare for the transition to post-secondary education and developing independent study habits and technology skills. Students will also gain valuable experience in the online environment and fulfill their online course requirement. The instructor of the course will serve as the students' graduation project mentor to ensure that all required components of the graduation project are completed. This course is taught 90% online.

Media Department



MEDIA DEPARTMENT COURSE OFFERINGS

MEDIA I – MASS COMMUNICATION (0001) Grades 9,10,11,12 1.0 credit 1 year

Prerequisite: None

This year-long course will provide a survey of forms of mass communication. It will combine traditional classroom assessment and practical experience creating mass communication. Students will learn basic press law, writing for publications, layout design, advertising skills, photographic techniques, and video planning and production.

MEDIA II, III BROADCAST (0002C) Grades 10, 11, 12 1.0 credit 1 year

Prerequisites: Media I, II and Teacher Recommendation

This year-long class will explore various aspects of the television and video production fields. Students will learn how to operate a multitude of equipment necessary to produce video projects that will be used for a variety of live productions. Students will be encouraged to become proficient in equipment usages, media literacy, critical analysis, and the components of live production.

MEDIA III, IV, V, VI TELEVISION PRODUCTION (0005C) Grades 11, 12 0.5 credit 1 sem.

Prerequisites: Media II Broadcast and Teacher Recommendation

This semester class will combine pre-production and live production techniques, ultimately producing a variety of live productions, both school related and for Peters Township Community Television. The students will become proficient in all aspects of live production. This course will provide an opportunity for students to explore and utilize new technological advances in the television and communication fields.

MEDIA II, III, IV JOURNALISM (0007C) Grades 10, 11, 12 1.0 credit 1 year

Prerequisite: Media I or Honors English and Teacher Recommendation

This year-long class will combine production training and practice with journalistic theory. Students will ultimately produce the school news magazine and the Media Department Website. Students will learn to work within an organizational structure that includes student editors. Students will be encouraged to become proficient in reporting, writing, photography, editing layout design, desktop publishing and fundraising.

MEDIA II, III PHOTOGRAPHY ONLINE (0012ONL) Grades 10, 11, 12 1.0 credit 1 year

Prerequisite: Media I and Teacher Recommendation

This year-long course will explore all areas of photography. The class will combine hands-on training with photographic theory. Students will be encouraged to become proficient in shooting, uploading, and manipulating images. Some specializations may develop as the year goes on, depending on student aptitudes and interests. This course is taught as an online course. Students and teachers meet together in the same room. This course fulfills your online requirement for graduation. This course is taught 90% online.

Prerequisite: Media I or Honors English and Teacher Recommendation

This year-long course will combine production training and practice with national standards of yearbook assembly. Students in this course will ultimately produce the school yearbook. Students will learn to work within an organizational structure that includes student editors. Students will increase their proficiency in desktop publishing, layout design, photography, writing, editing, and fund-raising. Specializations will be assigned depending on student aptitudes, interest, and publication needs.

MEDIA IV DIGITAL PHOTOGRAPHY (0020)

Grade 12

0.5 credit

1 sem.

Prerequisite: Media II & III Photography and Teacher Recommendation

The semester course will explore advanced editing of images, as well as in-depth design related to print and the web, specifically the Media Department web site. Students will utilize several types of software to improve design and manipulation of images, web elements and documents.

MEDIA IV POST PRODUCTION (0021)

Grade 12

0.5 credit

1 sem.

Prerequisite: Media II & III Broadcast and Teacher Recommendation

This semester course will explore advanced post-production of video such as audio blending, rhythmic editing and special effects. Students will utilize several types of software to create animations as well as manipulation of video and web elements.

MEDIA IV MENTORSHIP (0026)

Grade 12

0.5 credit

1 sem.

Prerequisite: Any Media II & III and Teacher recommendation; students must be in good standing with attendance, grades, and discipline. The student must be able to provide his/her own automobile transportation to and from the mentoring site as well as complete the mentorship application in Appendix B and submit to the counseling office prior to scheduling. Due to class size limitations, a committee will review will review applications using rubric (Appendix B).

PENDING BOARD APPROVAL

This semester course will allow students to go out and shadow experts in the various Media fields: video, photography, design, publication. Students will gain practical application of skills in assisting professionals at various job sites. Students will work off-site to complete projects.

Physical Education & Health Department



PHYSICAL EDUCATION, DRIVER'S THEORY COURSE AND HEALTH OFFERINGS

A. Health Offerings

ANATOMY & PHYSIOLOGY I (0875)	Grades 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: B or better in Personal Wellness and Biology and Teacher Recommendation

This course will provide students with a more in-depth study of the structure and functions of the human body. Students will also become knowledgeable of common diseases that affect the body systems. The design of this program will be mastery-based. Students will be required to pass each unit test by at least 80% in order to continue to the next unit. Completion of this course will provide a solid base of information to those students who pursue work or a career in either a health-related or medical field. The students will acquire knowledge through class discussions, lectures, research, guest speakers, demonstrations and hands-on activities such as dissection and observation of cadaver labs and heart surgery.

ANATOMY & PHYSIOLOGY: MENTORSHIP (0874)	Grades 11, 12	0.5 credit	1 sem.
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Pre-requisites: B or better in Anatomy & Physiology I, Teacher recommendation; students must be in good standing with attendance, grades, and discipline. The student must be able to provide his/her own automobile transportation to and from the mentoring site as well as complete the mentorship application in Appendix B and submit to the counseling office prior to scheduling. Due to class size limitations, a committee will review will review applications using rubric (Appendix B).

The goal of Anatomy & Physiology II is to further enhance the practical "real world" experiences of students interested in pursuing a post-secondary career in a medically related field. The second phase of the program places the students in community-based situations (e.g., hospitals, offices, clinics) and interning or shadowing under the supervision of certified medical personnel in the student's chosen field of endeavor. Students will be required to log a minimum of 50 hours at the mentoring site.

PERSONAL WELLNESS (0877)	Grade 9 (Required for Graduation)	0.5 credit	1 sem.
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Prerequisite: None

This course will provide students with the basic framework of knowledge to develop a healthy lifestyle. Structure of the human body, its systems and functions, its care, and the prevention and treatment of diseases are all concerns in the development of a positive attitude, which can promote optimum health. Students will also study mental health, and sexually transmitted diseases, first aid/emergency care, fitness, nutrition, healthy relationships, and substance use/abuse. Students will have the opportunity to apply understanding of health knowledge by incorporating decision-making skills and healthy choices into daily lifestyle practices. This course will make use of a combination of lectures, class discussions, group projects, oral presentations, research, demonstrations, guest speakers*, and student activities. Each student must pass (show proficiency) in CPR in order to pass this course. **As part of the Personal Wellness curriculum, students will experience a teenage sexuality/abstinence unit offered via several sessions presented in grades 9, 10, 11, & 12. Parents are permitted to request an alternate assignment for their child instead of attending these sessions. For more information, visit the Health & Physical Education section on the curriculum page of the district website.*

B. Physical Education Offerings *(All course credit changes are Pending Board Approval)

The Physical Education Program will concentrate on all areas of physical development. It is designed to develop and maintain a satisfactory fitness level together with the development of a variety of skills that will contribute to the student's mental, physical and social development. This course is an elective program where students will select one physical activity and one fitness activity approximately every 4½ weeks. Classes will stress the importance of student participation and sportsmanship while learning and performing various life-long skills.

PHYSICAL EDUCATION I (0850)**Grade 9****0.25 credit****1 sem.**

Prerequisite: None

Freshman will be required to complete physical education (PE I) sometime during their freshman year. Students must complete a second semester of physical education sometime in their remaining three years. One semester will meet ½ the requirement for P.E. PE I will focus on fitness, games, leisure, and beginner adventure (orienteering and the climbing wall).

PHYSICAL EDUCATION II (0851)**Grades 10,11,12****0.25 credit****1 sem.**

Prerequisite: None

Students must complete a second semester of physical education sometime in their remaining three years. One semester will meet ½ the requirement for P.E. PE II will focus on fitness, games, and adventure (canoeing, orienteering, the climbing wall, fly fishing, archery).

AQUATICS SKILLS, FITNESS & GAMES (0858)**Grades 10, 11, 12****0.25 credit****1 sem.**

Prerequisite: Must be a proficient swimmer

The aquatics elective will meet Monday through Friday for a semester. This elective will focus on advanced aquatics skills, aquatic fitness, and aquatic games. Instruction will include advanced stroke mechanics for lifeguarding course preparation, strength and fitness through lap swimming, aquatic games such as inner-tube water polo, and basic snorkeling skills. This course will satisfy one PE required course.

LIFEGUARDING (0854)**Grades 10, 11, 12****0.25 credit****1 sem.**

Prerequisite: Must be a strong swimmer, recommendation from 9th grade Physical Education teacher, students must be 15 or older

Do you want to be a lifeguard? This elective course will certify you in CPR, AED, and first aid, and give you an American Red Cross lifeguard certification. Students will have classes both on land and in the water. There will be a fee for American Red Cross cards and breathing masks. This course will be offered during Semester 2.

C. Driver Education Course Offering

DRIVERS THEORY (0900)**Grade 10 – (Required for Graduation)****0.5 credit 1 sem.**

Prerequisite: None

This is a required course for all 10th grade students. The class includes a minimum of 30 hours of class work in theory of basic vehicle control, driving processes, safe and efficient driving practices, handling complex driving environments, emergency driving skills, traffic laws of PA, and the effect of drugs and alcohol on the driver's performance behind the wheel. Any missed classes that would result in less than 30 hours of instruction would need to be made up in order to fulfill the Pennsylvania State requirement. Associated with this course is the elective area of 6 hours of practice driving. The completion of the theory course and the 6 hours behind the wheel are necessary for the authorization for insurance purposes and/or non-restricted drivers license at age 17.5 (with parental permission). The 6 hours of practice driving are usually done during a student's study hall time or after school hours. Students will register for behind the wheel part of the course in the Principals' office. Students must have received their Pennsylvania learner's permit or license before they can take behind the wheel driving.

Practical Arts Department



PRACTICAL ARTS COURSE OFFERINGS

A. Family and Consumer Science Department

CHILD DEVELOPMENT I (0702)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisite: None

Child Development I is designed to help you understand the needs of children and to prepare you for personal decision making concerning your future. We begin by considering the influence of the family in society, in school and in your life. Discussion centers on parenthood, sexuality, and the needs of infants, toddlers and preschoolers. Are you considering a career in education, medicine, or social work? This class is an excellent choice for anyone considering those careers. The project based class will provide the opportunity to parent for a weekend using the computerized "Baby Think It Over." You will participate in and discover activities appropriate for various ages of children. The skills you learn will help you for a lifetime.

CHILD DEVELOPMENT II (0703)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisite: A grade of at least a "C" in Child Development I

Child Development II is designed to provide hands on learning for all high school students who have completed Child Development I. Little Scout Lab Preschool is an onsite preschool created so students will have the opportunity to teach and mentor children ages 3, 4 and 5 years old. This class is for everyone considering a career working with people of any age. Whether you are thinking about education, medicine, social work or another area where you will be in contact with people, this class is for you. Preschoolers from the Peters Township community attend 3 days a week. You will plan, prepare and present age appropriate activities under the guidance of the classroom teacher. You will be a special "Big Buddy" to a preschooler.

EXPLORING CHILDREN'S LITERATURE (0704)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisite: None

Exploring Children's Literature is a class designed for any student. The class focuses on classic and popular children's books. The course examines the literature that children are reading. Are you creative, analytical or interested in crafting your own book? After a thorough look at what makes books popular you will create a board book and a picture book. Illustrations may be hand drawn, photographs or appropriate clip art. Write a book, create a memory. Are you considering a career in education, library science, or social work? If so this class is for you!

FASHION FOR TODAY (0706)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisites: None

If it's true that "clothes make the man" than it's important to know which clothes to wear! This course allows you to explore the world of fashion. It will help you to assess your most flattering styles and colors. You will act as a fashion consultant by suggesting flattering styles for a "client" and a fashion designer using the design principles and elements to create new looks. You will trace fashion styles throughout the ages, identify the influences it has on today's clothing and how fashions run in cycles. This course also includes basic sewing as well. Create a pair of boxers and perhaps modify an old pair of jeans into something trendy and fun or making a patchwork lap quilt. This course will provide you with a sound basis, whether you end up with a career in fashion, sew for yourself or just want to look your best.

Prerequisite: None

In our fast-paced lives, we rely more and more on others preparing our foods. Sadly, these foods are usually VERY unhealthy and the result is that **we** are becoming increasingly unhealthy as well. This class will provide you with an opportunity to learn and practice basic cooking techniques as well as offer you guidelines to sort nutrition fact from nutrition fiction. You'll become comfortable with understanding how to read recipes, what basic cooking terms mean, develop knife skills and learn how to keep your foods safe. One of the highlights of the fall semester is creating real gingerbread houses which can end up on display at PPG Place! The confidence you'll gain in being able to take raw ingredients and transform them into something delicious to eat will be a springboard for you to enjoy now and in your future.

Prerequisite: Foods I

This course is designed to allow you to "kick it up a notch!" While the basics are covered in Foods I, you will develop more advanced skills in II. After you learn to interpret recipes in I, you will be able to modify them in II. This is a project based course where you design the menus to be prepared for things such as: a healthier meal, a themed party, foreign foods and making a meal in 30 minutes or less! An important part of this course is the Teachers' Luncheon which you will plan, prepare and serve for interested staff members. You will also create "food art" to be displayed in the library's Arts Week. Being able to plan and make an appealing menu will allow you to develop more complex skills and explore your creative side.

Prerequisite: None

Being able to get along with others is the foundation for all relationships. This course will provide you with the tools and techniques for improving how you relate with others as well as how you see yourself. Handling conflicts, strengthening relationships and being able to ask for what you want are learned skills and this course will provide you with tools and techniques to improve them. This course also provides you with various types of opportunities to reach out to others: creating coloring books for under privileged pre-schoolers, sending holiday cards for hospitalized vets and making mind-game booklets for senior citizens are just a few things than have been done in the past. This course concludes with looking at what love is (and is not!) and healthy marriages. You will discover that good marriages are not "fate" – they are choices.

Prerequisite: None

Making sound choices for your life is more critical now than ever! Knowing what is important to you and managing your time and money wisely can help you create a satisfying and rewarding life. This course will help you in setting goals, working through a decision making process, working with budgets, acting as the financial planner for a family simulation, recognizing the importance of saving often and early, researching possible careers and determining how to make wise purchases. Being able to make your dreams come true takes knowledge and hard work, but it's possible for everyone to achieve when you know how to put your dreams into action.

B. Technology Education Department

AGILE ROBOTICS I (0730)	Grades 9,10,11,12	0.5 Credit	1 sem.
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Prerequisite: None

This course provides a basic foundation in robotics technology with particular concentration on first generation robotics. Due to the multi-disciplinary nature of robotics, the student is exposed to the many facets of robotics including material from computer, electrical, and mechanical disciplines with a focus on engineering processes. The course features a breadth/depth ratio of 80% lab component and 20% direction instruction component. The laboratory component features basic activities to solidify lecture concepts and team-oriented, hands-on projects to solve basic robotics problems. The integrated approach to Science Technology Education and Math (STEM) system of teaching is employed throughout this course to give the 21st Century learner a great experience.

ARCHITECTURAL PROCESSES (0750)	Grades 9,10,11,12	1.0 credit	1 year
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Prerequisite: None

This course will enable students to learn the fundamental skills and concepts necessary for architectural planning, design and drawing. Students will prepare a full set of residential architectural drawings, including floor plans, elevations and pictorial drawings. A portfolio will be developed that may aid the student when pursuing careers in related fields. Computer aided design and drawing programs will also be offered to enhance the students drawing skills.

AUTOMATED MANUFACTURING (0751)	Grades 9,10,11,12	0.5 credit	1 sem.
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Prerequisite: None

This course will introduce students to Automated Manufacturing Technology. How are the countless products of society produced? The elements and resources of manufacturing systems will be explained with new technology that is being employed to make our product systems more efficient. Students will see how lasers and robotics can improve manufacturing processes and end products. The use of computers in manufacturing (CAM) and design (CAD), automation, and other new developments will be part of the activities involved with this exciting course.

COMPETITIVE TECHNOLOGY (0753)	Grades 9,10,11,12	1.0 credit	1 year
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Prerequisite: None

The course will allow students to apply their knowledge of technology, math, and science to compete with other students throughout the school, region, and state in problem-solving activities. Activities and competitions sponsored by the Technology Student Association (TSA) and Odyssey of the Mind (OM) will be the foundation of the course. Creativity and ingenuity will be emphasized throughout the course. Many of the challenges introduced during the course will allow students to research and develop technology in an independent mode of study.

COMPUTER AIDED DRAFTING & DESIGN ONLINE (0759ONL)	Grades 9, 10, 11, 12	0.5 credit	1 sem.
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Prerequisite: None

The Computer Aided Drafting and Design (CADD) course is designed to teach students the parametric engineering using *SolidWorks* AutoCAD software and digital content creation tools. Students will utilize this state of the art software and hardware to create working drawings of product designs, 3D modeling, assembly animation, and virtual prototyping. This course is an innovative course for students who are interested in pursuing advance studies in any engineering based career, 3D design and numerous fields of CADD technology. This course will be taught 90% online.

ENGINEERING GRAPHICS (0754)**Grades 9,10,11,12****0.5 credit****1 sem.**

Prerequisite: None

This course will provide the prospective engineering student with basic drawing techniques and concepts including: geometric construction, sketching, multi-view and pictorial drawing, and dimensioning. Students will be introduced to design equipment including computer aided design (CAD) programs. The course will culminate with engineering problem-solving activities selected to enable the students to apply knowledge learned throughout the semester.

PRODUCTION TECHNOLOGY (0755)**Grade 9,10,11,12****0.5 credit****1 sem.**

Prerequisite: None

This course introduces students to production systems as they relate to manufactured products and constructed structures. These systems involve using inputs, and processes to create desired outputs. Students will change the form of materials using processing and management technologies to produce packaged products. They will also engage in the construction of a structure that meets societal needs. Activities are designed to give students the opportunity to develop skills in using tools and equipment while interacting with others to develop social and management skills.

TECHNOLOGY/ENGINEERING SYSTEMS (0756)**Grade 9,10,11,12****0.5 credit****1 sem.**

Prerequisite: None

This course will introduce students to the complex issues facing our world today as a result of technological developments. Activities will be designed around problem solving with an emphasis on technological systems. All technologies can be viewed as human adaptive activities. Thus, students will study technological advances that humankind has achieved, are researching, or may explore in the future. Technological systems for investigation will include transportation, communication, construction, and manufacturing.

TRANSPORTATION, ENERGY, & POWER (0757)**Grades 9,10,11,12****0.5 credit****1 sem.**

Prerequisite: None

Students will use resources of technology to design, produce, test and analyze technical systems for the purpose of transporting passengers and freight safely and efficiently in land, water, air, and space. They will also evaluate the impacts these systems have on people, social institutions, and further technological development. Major topics include: energy, transportation, history, environment, modes, technical subsystems, impacts, future, and careers.

World Language Department



WORLD LANGUAGE COURSE OFFERINGS

FRENCH, GERMAN, AND SPANISH (electives) are taught by a grammar and proficiency-oriented methodology designed to develop accuracy in listening, speaking, reading, and writing skills. Development of these skills will be done within the context of everyday authentic situations relevant to the student. Each of these skills will be emphasized to varying degrees throughout the five-year sequence; special emphasis will be consistently given to oral communication. In addition to language skills, students will gain an understanding and appreciation of French, German, and Spanish speaking peoples and their historical, literary, and cultural significance. Students will be utilizing technology skills to aid in their acquisition of the language. All students need to be aware that the rigor and expectations increase with the next level of language. Furthermore, the target language is used more frequently as the primary language as the level increases and is used exclusively in the AP level. Lastly, a student may repeat the same World Language course two times only without successful completion. We recommend that students should then choose another language if they are not successful in the first year.

SPANISH 1B - 0512B

Grade 9

1.0 credit

1 year

Prerequisite: Completion of Level 1A with a “C” average

Level 1B is a continuation of the 1A course from the Middle School. Students are exposed to additional vocabulary and grammatical concepts providing them opportunities to expand their knowledge of the target language. Further exploration of cultural components enhances the language learning experience. Successful completion of the Level 1A course, in which the student maintained at least a “C” average, is a prerequisite for the Level 1B course. Students may test into level 1B if they have completed some level of Spanish at another school.

FRENCH I (0500)

Grades 9, 10, 11, 12

1.0 credit

1 year

Prerequisite: None

The Level I course is a full-year course which introduces students to the study of World Language and culture. The basic skills of listening, speaking, reading, and writing will be taught and practiced with emphasis on student performance in both grammar and vocabulary. Various aspects of the culture of French-speaking people will be introduced and discussed. This course may NOT be re-taken if a grade of “C” or above was already achieved in a Level I course, or its equivalent, at another school.

GERMAN I (0505)

Grades 9, 10, 11, 12

1.0 credit

1 year

Prerequisite: None

The Level I course is a full-year course, which introduces students to the study of World Language and culture. The basic skills of listening, speaking, reading, and writing will be taught and practiced with emphasis on student performance in both grammar and vocabulary. Various aspects of the culture of German-speaking people will be introduced and discussed. This course may NOT be re-taken if a grade of C or above was already achieved in a level I, or its equivalent, at another school.

SPANISH I (0512)

Grades 9, 10, 11, 12

1.0 credit

1 year

Prerequisite: None

The Level I course is a full-year course, which introduces students to the study of World Language and culture. The basic skills of listening, speaking, reading, and writing will be taught and practiced with emphasis on student performance in both grammar and vocabulary. Various aspects of the culture of Spanish-speaking people will be introduced and discussed. This course may NOT be re-taken if a grade of C or above was already achieved in a Level I course, or its equivalent, at another school. This course may only be taken twice without successful completion.

FRENCH II (0501)	Grades 9, 10, 11, 12	1.0 credit	1 year
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Prerequisite: First year of a language completed with at least a "C" average

The Level II course is a full-year course which continues the study of World Language and culture. The basic skills of listening, speaking, reading, and writing will continue to be taught and practiced with emphasis on student performance. More reading and writing is included than in Level I. Various aspects of culture will continue to be discussed, including geography and history.

GERMAN II (0506)	Grades 9, 10, 11, 12	1.0 credit	1 year
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Prerequisite: First year of a language completed with at least a "C" average

The Level II course is a full-year course which continues the study of World Language and culture. The basic skills of listening, speaking, reading, and writing will continue to be taught and practiced with emphasis on student performance. More reading and writing is included than in Level I. Various aspects of culture will continue to be discussed, including geography, and history.

SPANISH II (0513)	Grades 9, 10, 11, 12	1.0 credit	1 year
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Prerequisite: First year of a language completed with at least a "C" average

The Level II course is a full-year course which continues the study of World Language and culture. The basic skills of listening, speaking, reading, and writing will continue to be taught and practiced with emphasis on student performance. More reading and writing is included than in Level I, and the course moves at a faster pace. Various aspects of culture will continue to be discussed, including geography and history.

FRENCH III (0502)	Grade 10, 11, 12	1.0 credit	1 year
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Prerequisite: Second year of a language completed with at least a "C" average

The third level language course is a full-year course which continues the study of all aspects of language – listening, speaking, reading, and writing. There is increased emphasis on oral expression and on accuracy in spoken and written language. The student will use the language skills he/she acquires to increase cultural understanding through the use of authentic texts in the target language. There is an emphasis on application of previously learned and newly acquired concepts and skills. This level tends to require that students take more of a responsibility and ownership of reviewing material that was learned in previous levels.

GERMAN III (0507)	Grade 10, 11, 12	1.0 credit	1 year
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Prerequisite: Second year of a language completed with at least a "C" average

The third level language course is a full-year course which continues the study of all aspects of language – listening, speaking, reading, and writing. There is increased emphasis on oral expression and on accuracy in spoken and written language. The student will use the language skills he/she acquires to increase cultural understanding through the use of authentic texts in the target language. There is an emphasis on application of previously learned and newly acquired concepts and skills. This level tends to require that students take more of a responsibility and ownership of reviewing material that was learned in previous levels.

Prerequisite: Second year of a language completed with at least a “C” average

The third level language course is a full-year course which continues the study of all aspects of language – listening, speaking, reading, and writing. There is increased emphasis on oral expression and on accuracy in spoken and written language. The student will use the language skills he/she acquires to increase cultural understanding through the use of authentic texts in the target language. There is an emphasis on application of previously learned and newly acquired concepts and skills. This level tends to require that students take more of a responsibility and ownership of reviewing material that was learned in previous levels.

FRENCH IV HONORS (0503)**Grades 11, 12****1.0 credit****1 year**

Prerequisites for enrolling in Honors level courses include: final grade of a “B” or better for the previous Honors course(s), final grade of an “A” or better for the previous Academic course(s), final grade of a “C” requires teacher or administrative recommendation

The fourth level language course applies fundamental grammatical concepts in a more sophisticated contextual setting. This course develops: increased handling of idiomatic expressions to make the student’s speech and written work authentic; greater skill in pronunciation, rhythm and intonation; increased knowledge of the social, political, and environmental issues of the French speaking peoples; and progression in skills of speaking, reading, and writing. Increased emphasis will be placed on the study of literature and on social norms within the countries of the target language. Classroom instruction and discussion of grammar are almost exclusively in the target language. Students are expected to exhibit greater independence in their own acquisition of the language especially within the previously learned and newly acquired grammar concepts. This course also provides preparation for the AP program. *Please see page 4 for guidelines for removal from this course.*

GERMAN IV HONORS (0508)**Grades 11, 12****1.0 credit****1 year**

Prerequisites for enrolling in Honors level courses include: final grade of a “B” or better for the previous Honors course(s), final grade of an “A” or better for the previous Academic course(s), final grade of a “C” requires teacher or administrative recommendation

The fourth level language course applies fundamental grammatical concepts in a more sophisticated contextual setting. This course develops: increased handling of idiomatic expressions to make the student’s speech and written work authentic; greater skill in pronunciation, rhythm, and intonation; increased knowledge of the cultural behavior and attitudes social, political, and environmental issues of the German speaking peoples; and progression in skills of speaking, reading, and writing. Increased emphasis will be placed on the study of literature and on social norms within the countries of the target language. Classroom instruction and discussion of grammar are almost exclusively in the target language. Students are expected to exhibit greater independence in their own acquisition of the language especially within the previously learned and newly acquired grammar concepts. This course also provides preparation for the AP program. *Please see page 4 for guidelines for removal from this course.*

SPANISH IV HONORS (0515)**Grades 11, 12****1.0 credit****1 year**

Prerequisites for enrolling in Honors level courses include: final grade of a “B” or better for the previous Honors course(s), final grade of an “A” or better for the previous Academic course(s), final grade of a “C” requires teacher or administrative recommendation

The fourth level language course applies fundamental grammatical concepts in a more sophisticated contextual setting. This course develops: increased handling of idiomatic expressions to make the student’s speech and written work authentic; greater skill in pronunciation, rhythm, and intonation; increased knowledge of the social, political, and environmental issues of the Spanish speaking peoples; and progression in skills of speaking, reading, and writing. Increased emphasis will be placed on the study of literature and on social norms within the countries of the target language. Many themes are taught within the historical context of the language. Classroom instruction and

discussion of grammar are almost exclusively in the target language. Students are expected to exhibit greater independence in their own acquisition of the language especially within the previously learned and newly acquired grammar concepts. This course also provides preparation for the AP program. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT FRENCH LANGUAGE (0504), Grade 12 1.0 credit 1 year others by appointment

Prerequisite: Completion of an Honors Level IV class with a B average or better or Teacher Recommendation

The AP French course is designed to lead students toward mastery of all aspects of the language equal to a third-year college course in composition and conversation. As such, the focus continues to be on the mastery of listening, speaking, reading, and writing skills. Students will be expected to speak only in the target language, and submit essays in the target language which reflect an appropriate level of skills acquisition. Students will be expected to listen to the spoken language through online podcasts, television programs, and other materials at the teacher's request. The student will also be expected to write essays which synthesize information based on separate reading and listening assignments. Part of the course will be focused on the AP test, with the expectation that the student will take the test at his/her own expense. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT GERMAN LANGUAGE (0509) Grade 12 1.0 credit 1 year others by appointment

Prerequisite: Completion of an Honors Level IV class with a B average or better or Teacher Recommendation

The AP German course is designed to lead students toward mastery of all aspects of the language equal to a third-year college course in composition and conversation. This class is noticeably more rigorous both in and out of class than the other levels. As such, the focus continues to be on the mastery of listening, speaking, reading, and writing skills. Classroom instruction and discussion of grammar are exclusively in the target language. The study of literature is integrated into this skill development. Students who complete this course are expected to take the AP examination. This exam is administered in May and is taken at the student's own expense. *Please see page 4 for guidelines for removal from this course.*

ADVANCED PLACEMENT SPANISH LANGUAGE (0516) Grade 12 1.0 credit 1 year others by appointment

Prerequisite: Completion of an Honors Level IV class with a B average or better or Teacher Recommendation.

The AP Spanish course is designed to lead students toward mastery of all aspects of the language equal to a third-year college course in composition and conversation. This class is noticeably more rigorous both in and out of class than the other levels. As such, the focus continues to be on the mastery of listening, speaking, reading, and writing skills. The study of literature is integrated into this skill development. Students will be expected to utilize authentic sources for reading, writing, listening, and speaking. Furthermore, there is an expectation to communicate exclusively in the target language. Students who complete this course are expected to take the AP examination. This exam is administered in May and is taken at the student's own expense. *Please see page 4 for guidelines for removal from this course.*

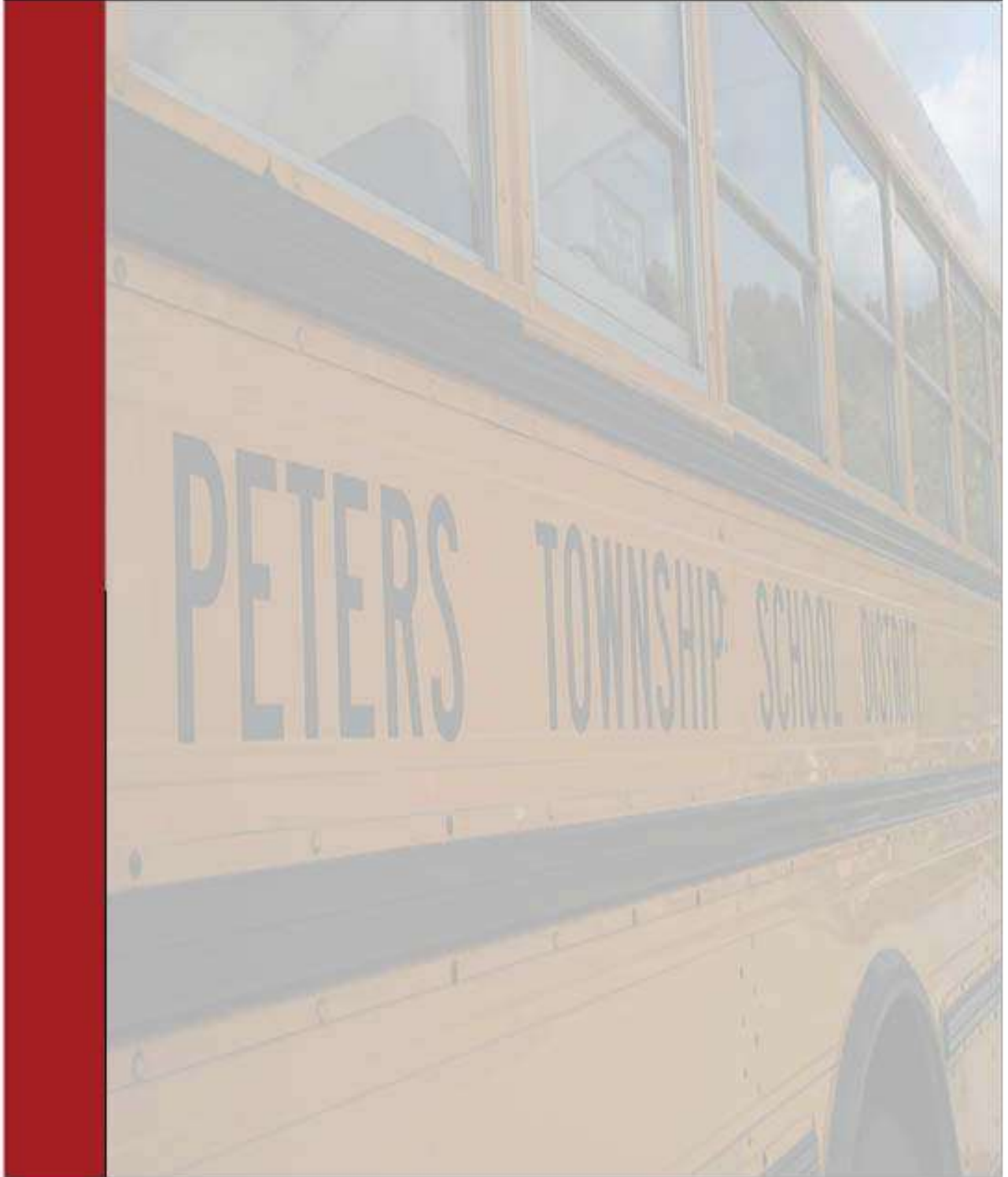
GLOBAL CONNECTIONS TO SPANISH CIVILIZATION ONLINE (0537ONL) Grades 10-12 .5 credit 1 sem.

Prerequisite: None

PENDING BOARD APPROVAL

This is a survey course that will start with an extensive view of Spanish history from prehistoric times to current day. This course is taught in English and will delve into regional differences, political, economical and social trends from within the historical context. Students will be instructed and assessed in an online environment. Spanish language knowledge is not required, but may be helpful in understanding and applying the vocabulary terms that will be prominent throughout the course. This course will be taught 90% online.

Western Area Career & Technology Center



WESTERN AREA CAREER AND TECHNOLOGY CENTER COURSE OFFERINGS

Students from Peters Township High School who wish to obtain training in selected occupational fields may apply for enrollment in the following courses of study at the Western Area Career & Technology Center. Students who want to enroll in a particular course at Western Area Career & Technology Center should apply through the counselors in the School Counseling Office. Students may only enroll in academic classes (English, Mathematics, Science, and Social Studies) by appointment of their School Counselor. Upon the successful completion of the vocational courses, these students will be awarded three credits in their vocational program. **Western Area Career and Technology Center offers online courses through the University of Nebraska. Online courses taken at Western Area Career and Technology Center must have pre-approval following the online course application procedures in this Course Description Booklet.**

AUTOMOTIVE MECHANICS (1105)

The three-year Automotive Mechanics program is for 10th, 11th, and 12th grade students. This program will prepare students for employment in the auto repair industry working with parts, tune-ups, brakes, transmissions, electrical and fuel systems. The program will also assist in the diagnosis and repair of various drivability conditions and routine vehicle maintenance.

CARPENTRY (1107)

This three-year program prepares 10th, 11th, and 12th graders for all phases of residential carpentry. The course is taught in sequence with the construction of a house. Site layout, footer layout and forming, rough framing, exterior finish and roofing, insulation, drywall, and interior finish are covered. Each unit is taught in conjunction with related safety, estimating, and blueprint reading. Those who complete the course achieve skills needed to obtain employment as a carpenter.

CHILD CARE (1108)

Instruction in this three-year program is offered to all 10th, 11th, and 12th grade students and includes Parenthood and Pregnancy, Development of Children from birth to five years, Safety and CPR Training, Techniques for Guiding Children, and Rules and Regulations of Day Care Centers. Students will be trained to work with children in a licensed day care center and will observe children, provide for every day needs of children, plan and teach various activities, write lesson plans, and learn record-keeping skills. This program is designed for students who enjoy working with children and/or desire a career in the childcare field.

COLLISION REPAIR TECHNOLOGY (1103)

Through theory and related hands-on classroom instruction, students in this program will learn the latest techniques in five major topics. Upon completion, students will take the Automotive Service Excellence (A.S.E.) certification exam and the Martin Senior Paint certification exam.

COMPUTER NETWORKING (1119)

This three-year program provides 10th, 11th, and 12th graders with meaningful training toward a career and/or further study in the rapidly expanding occupational area through gainful, positive experiences whether or not they are coming from districts having their own networking programs. This program provides information and hands-on activity leading to certifications such as Cisco, Microsoft Certified Engineer, A+ and others. Networking topics include Software, Hardware, Operating Systems, Installation, and Solutions.

COSMETOLOGY (1109)

Cosmetology is a three-year course for tenth, eleventh, and twelfth grade students. The course will be operated by the Western ACTC under the regulations of the State Board of Cosmetology. Students with regular attendance will receive the required 1250 hours of training needed to take the State Board exams for licensing.

CULINARY ARTS (1117)

Instruction includes theory and applications related to food preparation, menu and banquet planning, food and beverage purchasing, quality control, cost analysis, safety, and sanitation. Students learn the safe and proper use of hand and power tools of the industry. Program components include Commercial Baking, Catering, Institutional Foods, Meat Cutting, Cooking Methods, Nutrition, Safety, and Sanitation. Program completion qualifies students for positions in the foodservice industry or advanced study at a culinary institute or college. A Hospitality component will complement this three-year program, which will include instruction and practical experiences in lodging management, office operation, leadership and management, marketing, food and beverage service, and operation of the physical plant.

CT MECHATRONICS (1120)

This three-year course focuses on all aspects of industrial and commercial machines and robotics and is designed to prepare students for work in industry or continued education in engineering-related fields. The program includes design activities and instruction in operation, set-up, maintenance, troubleshooting, and repair of machines and systems found in commercial, packaging, medical, and food production facilities where high tech equipment is used. Curriculum and instruction include the areas of Electricity, Electronics, Sensor Technology, Machine Operations and Maintenance, Industrial Electronics, Computer Machine Controls, Machine Repair, Motors and Control Applied Physics, Fluid Power, Mechanical Components, Schematic Interpretation and Quality Control. Students are trained on a wide variety of tools for preventative maintenance and construction of equipment. Individuals entering this career should possess good mechanical aptitude, eye-hand coordination, math skills, manual dexterity, critical thinking skills, and the ability to work as a team member.

ELECTRICAL OCCUPATIONS (1111)

10th, 11th, and 12th grade students are prepared for employment in the fields of residential, commercial, and industrial wiring, installation, and maintenance of equipment including electrical motors, transformers, control systems, communications systems, wired fiber optics, and related equipment. Those who complete the three-year course receive West Penn Wire CDT (fiber optics) certification.

EMERGENCY AND PROTECTIVES SERVICES (1116)

This course provides three years of classroom and practical experience for entrance into the field of public safety via in-depth training to perform duties as a police officer, firefighter, emergency medical technician, and other public safety-related careers. The application of math, English, communications, science, and physics is demonstrated throughout the course. Students receive training in social and psychological skills, vehicle and equipment operations, the judicial system, pre-hospital emergency medical crew, fire prevention and control, hazardous materials, and emergency management.

HEALTH ASSISTANT (1112)

This course prepares students for careers in the health field. Students are provided clinical and shadowing experiences in long-term care facilities and doctors' offices to enhance the learning experience and assist in the transition to employment. Core curriculum includes an Overview of Health Careers, Basic Anatomy and Physiology, Medical

Terminology, Clinical Laboratory, Procedures, Universal Precautions, Legal and Ethical Aspects of Health Care, and Communication Skills. Students are also provided instruction to qualify them for certification in First Aid, CPR and CNA.

HEATING & AIR CONDITIONING (1113)

Heating Air Conditioning is a three-year program that prepares 10th, 11th, and 12th grade students for employment to assist the mechanic in the servicing and installation of residential and commercial heating and cooling systems. Students are also prepared for the EPA certification exam for safe refrigerant handling.

MACHINE SHOP (1114)

This three-year course provides 10th, 11th, and 12th graders the skills needed for entry into the machining field through basic hands-on machining practice on lathes, milling machines and grinders. Topics include set-up, tool selection, and methods used on various materials such as steel, aluminum, and brass. Computer-part programming and machine operation are also included in the training.

MASONRY (1115)

This three-year instructional program prepares students in brick, block, stone, concrete, tuck pointing, and artificial stone construction. Students learn the types and sizes of masonry materials, various applications for materials, blueprint reading, masonry symbols, use of measuring instruments, leveling instruments, layout and design, bonds, hand tools, masonry equipment, mortar mixing, concrete mixing, estimation, practical problems in mathematics, preparation of material lists, masonry saw, tile saw, 14" dry cut saw, hammer drill, demolition, fireplaces, chimneys, barbecues fireplaces, steps, walls, scaffold construction, etc.

WELDING (1118)

This course prepares students in oxy-fuel, shielded metal arc, gas metal arc, gas tungsten arc, flux core welding, carbon arc, plasma cutting, manual and radiograph cutting, and oxy-fuel brazing processes. 10th, 11th, and 12th grade students learn the use of measuring instruments, hand tools, portable grinders, metallurgy, blueprint reading, electrical principles, layout and design, fabrication, practical problems in math, preparation of material lists, cost estimating, and quality assurance methods. Successful students will be given the opportunity to earn AWS certifications.

YOUTH APPRENTICESHIP PROGRAM (1218)

Grades 11, 12

Variable Credits

The Pennsylvania Youth Apprenticeship Program is a comprehensive educational and training program. Students interested in apprenticeship are encouraged to develop a strong foundation in math, science, and communication skills, and require an educational component that extends beyond high school graduation. The student will receive a comprehensive education, which includes academic course requirements and technical training in the areas of Manufacturing, Automotive Technology, Health Related careers, and Food Services. Students have the option of selecting other fields, but to do so requires a specific plan and application. The student will also receive technical training at the job site.

Appendix A: Online Learning Application for Courses offered outside of Peters Township

Form must be completed in its entirety for application consideration and one course per form please.

Student's Name _____	Grade _____
Student's School Counselor _____	Date of Request ____/____/____
Outside Online Course Title _____	
Does the Outside Online Course Correspond to a Current PTHS Course Y N (For the request to be considered a reason why there is a desire to take this course must be given) _____ _____ _____	
PTHS Course and Course Number Most Closely Corresponding to This Request or Course taken for Enrichment _____ _____ _____	
Source of Outside Online Course Experience _____ Address of Source _____ Name of Contact Person at the Source _____ E-Mail Address of Contact Person at Source _____ Telephone Number of the Contact person at Source _____	
Please attach documentation of course requirements, and timelines, including catalog course description. Also verification of accreditation of source school is required.	
Any Online Course offered Outside of PTHS will be recorded as a non-weighted course. I have read the Peters Township High School Course Description Booklet, agree to meet all requirements and deadlines, and understand that any and all direct and indirect costs for this online experience are the responsibility of the student and family. This holds true even if the student is disqualified from participation by the Administration of Peters Township High School or the Source School.	
Student Signature _____	Date _____
Parent/Guardian Signature _____	Date _____
School Counselor Signature _____	Date _____

For School Counselor Use Only	For Departmental Team Facilitator Use Only
Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature: _____	Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature: _____
For Administrative Use Only	
High School Principal	Superintendent of Schools
Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature: _____	Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature: _____

Appendix B: Application Form for Mentorship Courses

Section I: Personal and Academic Information

Name:
Grade and Age beginning next school year:
Address:
Parent/Guardian Names:
Parent/Guardian Phone Number(s):
Current GPA:
Attendance (total days missed this year):
Prerequisites: Please list the prerequisite course(s) you took in order to be eligible for this class and your FINAL grade: 1. 2. 3. <i>Please understand that meeting the requirements for the course does NOT guarantee you placement in this course if the demand is greater than the spots available. This application process will help assist which students are placed if that demand exceeds capacity.</i>
Areas of Interest/Relation to Career Path: Please list career areas in which you would like to mentor 1. 2. 3.
Ability to Travel: Do you have your own car to drive? Y/N (if no, please explain how you will get to site)
Teacher Signatures Please get three signatures from teachers that can vouch for your character and work ethic 1. 2. 3.

Section II: Letter of Interest and Resume

In an attached document, please type a one-page explanation of why you want to enter this mentorship program, what you hope to gain from this experience, and how you are currently a responsible individual who is able to meet and/or exceed the requirements of this experience. Please also attach a copy of your resume.

For Office Use Only		
Attendance current year:	GPA:	Date Application Received:
Attendance previous year:	Discipline:	

Submit this form, letter of interest and resume to counselor on day that schedules are due to be submitted.

Appendix B Continued: Rubric for Mentorship Course Admittance

Category	Score = 3	Score = 2	Score = 1	Disqualified
GPA	Exceptional GPA	Satisfactory GPA	Poor GPA	N/A
Attendance	Exceptional Attendance: less than 10 days missed and/or tardy	Satisfactory Attendance: 10-15 days missed and/or tardy	Poor Attendance: More than 15 days missed and or tardy	N/A
Prerequisites	All prerequisites completed	N/A	N/A	Disqualified - student has not met the prerequisites
Ability to Travel	Has car and meets requirements to receive parking pass	Does not have car, but has parent willing to carpool each day	N/A	Disqualified - student does not have transportation available
Teacher Signatures	3 signatures	2 signatures	1 signature	Disqualified - student has no teacher signatures
Grade level	Student will be a senior	Student will be a junior	N/A	N/A
Essay & Resume*	Exceptional appeal and/or explanation as to interest in course, grammar and style	Satisfactory appeal and/or explanation as to interest in course, grammar and style	Poor appeal and/or explanation as to interest in course, grammar and style	Disqualified – student did not submit essay and resume

_____/18 points (without Essay/Resume)

_____/21 points (with Essay/Resume)

*Essay and Resume will be used for “tie-breaking” situations when necessary.

Appendix C: GUIDE FOR SUCCESSFUL HIGH SCHOOL EXPERIENCES

Grade 8: Winter/Spring <ul style="list-style-type: none"> Plan your course selections for grade 9 by meeting with teachers and counselors to determine appropriate placements Begin career exploration Set preliminary goals for high school Consider course selections for future grades along with those for grade 9 Explore and select extra-curricular activities, which interest you Work on improving your grades and study skills 		
Grade 9: Fall <ul style="list-style-type: none"> Complete career goal-setting sheet and reflection paper for graduation project Create a Career-Cruising profile Build strong academic, language, mathematics, and critical thinking skills by taking challenging courses Work on academics and ask for support if needed. Support services include SHARP (Student Help and Remediation Program), student tutoring service, teacher help sessions, and referrals to adult tutors Get involved in at least one extra-curricular activity Attend a Career Fair Resume completion in Information Technology Course 	Grade 9: Winter/Spring <ul style="list-style-type: none"> Practice goal setting strategies Use Career Cruising to begin searching for career and post-secondary options Plan your course selections for grade 10 by meeting with teachers and counselors to determine appropriate placements. Take district's 9th grade local assessment Consider going on the field trip to Western Area Career and Technology Center if you are exploring this curriculum for next year Complete Information Technology Course. Maintain Career Cruising Profile for graduation project 	Grade 9: Summer <ul style="list-style-type: none"> Consider enhancement and remedial summer school programs Continue extracurricular activities and interests Get involved in community service work
Grade 10: Fall <ul style="list-style-type: none"> Concentrate on academic preparation and continue to develop basic skills. Maintain involvement in at least one extra-curricular activity and aim for a leadership position Consider taking the PSAT (Preliminary Scholastic Assessment Test) in October Consider applying to the summer enrichment programs, leadership seminars, etc. Maintain Career Cruising Profile for graduation project Attend career fair, if applicable 	Grade 10: Winter/Spring <ul style="list-style-type: none"> Plan your course selections for grade 11 by meeting with teachers and counselors to determine appropriate placements – take both challenging and diverse courses to investigate career interests as indicated by test results Begin considering post high school options Take Advanced Placement exams in May, if appropriate Attend career fair, if applicable Maintain Career Cruising Profile for graduation project 	Grade 10: Summer <ul style="list-style-type: none"> Add to your resume additional activities, community service, and part time jobs. Consider enhancement and remedial summer school programs. Continue extra-curricular activities and community service work. Work to strengthen reading, writing, and mathematics fundamentals.
Grade 11: Fall <ul style="list-style-type: none"> Register to take the ASVAB Test to explore careers and military career options. Attend junior conferencing meetings Continue to improve your academic record and make significant contributions to extra-curricular activities Begin the college selection process if college-bound Attend the annual PTHS College Fair Conduct post-secondary college/career searches Take the PSAT in October to be eligible for 	Grade 11 - Winter/Spring <ul style="list-style-type: none"> Revise your resume Review your PSAT results and to prepare for SAT Meet with your counselor to establish a post high school goal and to obtain suggestions for post high school programs to explore Plan your course selections for senior year by meeting with teachers and counselors to determine appropriate placement and assure fulfillment of graduation requirements 	Grade 11: Summer <ul style="list-style-type: none"> Refine your resume Visit colleges when possible, take tours, and have interviews Gain work and volunteer experience Consider summer school enhancement or remedial programs Refine your list of post high school institutions and career options

<p>National Merit Scholarship competition and to give an indication of projected SAT scores</p> <ul style="list-style-type: none"> • Meet with college and technical school representatives who visit PTHS throughout the year • Register for a job shadowing experience, if seriously interested in a career, through the Pathways program • Attend a career fair • Complete any unfinished Graduation Project Requirements 	<ul style="list-style-type: none"> • Prepare for the SAT by using test prep materials or taking test prep classes • Take the SAT I at least once in the Spring if college bound • Take the SAT II (subject test) in the Spring if you are considering admission to selective colleges.(some colleges require certain tests) • Take PSSA (Pennsylvania State Scholastic Assessment) • Use the Career Resource Center (CRC) resources to complete college, career, and scholarship searches • Attend Pittsburgh Area College Fairs • Take AP exams in May, if applicable • Prepare carefully for final exams as post high school institutions review the final grades closely for admission • Register online for the NCAA if considering athletics in college • Present graduation project to panel 	
<p>Grade 12: Fall</p> <ul style="list-style-type: none"> • Revisit your post high school goals – include college, technical school, military, and career plans as appropriate • Register to take the ASVAB Test to explore careers and military career options • Make post high school decisions • If applying to college, determine schools with your counselor including a “safety school” • Consider early action/early decision options • Attend the annual PTHS College Fair Attend sessions with college/technical school representative who visit PTHS • File college applications in advance of deadlines • Visit colleges and obtain interviews when needed • Repeat the SAT if warranted or take the ACT as an alternative if recommended • Take SAT II (subject tests) if appropriate • Maintain academic record for first quarter and first semester review for admission and through to final review and graduation • Revise your resume • Investigate scholarship opportunities announced at school • Re-take the PSSA if not yet achieving a proficient or advanced level • Re-present the Graduation project if necessary 	<p>Grade 12: Winter/Spring</p> <ul style="list-style-type: none"> • Submit FAFSA form for financial aid • Apply for need-based and merit-based aid • Finalize post high school plans • Compare financial aid awards • Send tuition deposit to the school of your choice by May 1 unless you were an early decision candidate • Notify other school(s) that you decline their offers of admission if applicable • Request that your final transcript be sent to the appropriate institution • Continue to apply for scholarships, especially through local organizations • Take PSSA course if not proficient or advanced on the PSSA • Take AP exams in May if applicable • Review housing, registration, and other post high school plans • <i>CONGRATULATIONS ON YOUR GRADUATION!!!!</i> 	

Appendix D: Arts and Humanities Course Offerings

Arts and Humanities include all practical and fine arts courses as well as all world language courses and non-required English courses. This graduation credit (1.0) can be satisfied by taking courses from the following:

Arts & Humanities Course Offerings						
English	Fine Arts: Art	Fine Arts: Music	Family & Consumer Science	Media	Technology Education	World Language
The Bible in Literature Online: 0120ONL	Art I: 0600	AP Music Theory:0641	Child Development I: 0702	Media I Mass Communication: 0001	Agile Robotics: 0730	Spanish 1B: 0512B
The Bible in Literature II: 0121	Art II: 0601	Computer Music Production I: 0625	Child Development II: 0703	Media II, III Broadcast: 0002C	Architectural Processes: 0750	French I: 0500
Creative Writing Online: 0675ONL	Art III: 0613	Computer Music Production II: 0626	Exploring Children's Literature: 0704	Media II, III, IV Journalism: 0007C	Automated Manufacturing: 0751	German I: 0505
Humanities: 0112	Advanced Art I Honors: 0617	Comprehensive Musicianship:0664	Fashion for Today: 0706	Media II, III Photography Online 0012ONL	Competitive Technology: 0753	Spanish I: 0512
Intro to Humanities: 0129	Advanced Art A: 0603	Concert Band:0627	Foods I: 0708	Media II, III, IV Yearbook: 0013C	Computer Aided Drafting and Design Online: 0759ONL	French II:0501
Movies & Meaning: 0122	Advanced Art B: 0615	Concert Choir:0632	Foods II:0709	Media II, IV, V, VI TV Production: 00005C	Engineering Graphics: 0754	German II: 0506
Theater Arts I: 0677	Ceramics I: 0604	Creative Move Dance, Theater and Music: 0675	Improving Relationships:0705	Media IV Digital Photography: 0020	Production Technology: 0755	Spanish II:0513
Theater Arts II: 0678	Ceramics II:0605	Jazz Band:0636	It is My Life and I'm Responsible: 0712	Media IV Post Production: 0021	Technology & Engineering Systems: 0756	French III:0502
Theater Arts III: 0679	Ceramics Honors: 0616	Keyboard Lab: 0640		Media IV Mentorship: 0026	Transportation Energy & Power: 0757	German III:0507
Writing Workshop: 0115	Drawing & Design: 0606	Mixed Choir: 0653				Spanish III:0514
World Mythology Online: 0130ONL	Electronic Imagery: 0607	Music Theory Online: 0642ONL				French IV Honors:0503
	Painting:0608	Orchestra: 0643				German IV: 0508
		Popular Music Online: 0648 ONL				Spanish IV: 0515
		ProArts Journey Mentorship: 0650				AP French: 0504
		Symphonic Choir: 0649				AP German: 0509
		Wind Symphony: 0657				AP Spanish: 0516
						Global Connections in Spanish Civ. 0537ONL