

TRINITY HIGH SCHOOL

ACADEMIC HANDBOOK



2017 – 2018

Hello,

The Trinity High School faculty is very proud of our efforts in promoting academic and personal success for all students and we look forward to supporting our total school community with continued excellence. There are many educational opportunities for your sons/daughters at Trinity High School. The staff is working diligently to ensure that all curriculum is taught at the college preparatory levels and is challenging for the students. We will continue to modify our curriculum and our educational structure to prepare our students for life after graduation. We are consistently evaluating our programs to ensure all academic and affective needs are being met.

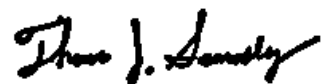
We will remain diligent and work continuously to improve student achievement and the educational experience in general. Trinity High School is committed to providing curriculum which aligns to the Common Core and assists students to be successful on the Keystone Exams.

The scheduling process will begin in January 2017 for 2017-2018 school year. Please examine the curricular options with your son/daughter to determine the appropriate level of courses to improve student achievement. Our expectation is that your son/daughter will have his/her schedule in hand before the end of the school year.

The 9th Grade Transition Program will again include all freshmen, as we attempt to afford students a smooth transition from middle school to high school. Certain courses will be mandated to enhance student success in the academic and affective realm. However, there will be adequate flexibility to allow students to schedule desired electives. **Please select your courses carefully as your course requests will drive the development of the master schedule.**

As always, we are striving to become the most effective and efficient school building/district and to improve the educational benefit to our students, families and the entire school community. If you have any questions, please contact the high school office or contact me directly at 724-223-2000 ext. 6501.

Respectfully,

A handwritten signature in black ink that reads "Thomas J. Samosky". The signature is written in a cursive style with a large, stylized initial 'T'.

Thomas J. Samosky, Principal

INTRODUCTION:

It is the intent of Trinity High School to provide each student with a wide selection of courses so he/she may arrive at a schedule that best fits his/her individual needs.

The areas of study at Trinity High School are:

Advanced Placement/Honors – This area of study is for the highly motivated college bound student interested in a very demanding challenge, with an emphasis on independent analysis and response.

College Preparatory – This area of study is open to all students.

NOTE: All areas of study are open to **ALL** students.

SCHEDULE CHANGES:

- A. NO SCHEDULE CHANGES AFTER COURSE REQUESTS ARE COMPLETED EXCEPT FOR TEST REMEDIATION, COURSE CONFLICTS, FAILURES, FAILURE TO MEET PREREQUISITES AND/OR ADMINISTRATIVE CLOSURE OF CLASSES.
- B. Requests for level changes will be accepted until the end of the 1st grading period. If the request is able to be honored it may include a comprehensive schedule change, different teacher, class period, and/or lunch. Proper request forms are available in guidance.
- C. Students cannot be considered for a change in level of study in a subject if they have an incomplete (I) grade.
- D. Students withdrawing from a course will be withdrawn with failure (F) except for changes in area of study.
- E. Students cannot drop a class with a “withdraw fail” (F) if they have an incomplete (I) grade.
- F. All schedule changes will depend on the number of students enrolled in the class requested.
- G. No schedule changes will be approved due to extra-curricular activities or sports participation.

GRADING SCALE		QUALITY POINTS
90 – 100	A	A – 4
80 – 89	B	B – 3
70 – 79	C	C – 2
60 – 69	D	D – 1
0 – 59	F	F – 0
INCOMPLETE	I	0
WITHDREW FAILING	F	0
WITHDREW MEDICAL	M	0
PASS	P	0
AUDIT	G	0

Class Rank is computed at the end of the school year based on semester grades received from all subjects EXCEPT the following:

Olympus	Pass/Fail Subjects	Graduation Project
Audit Subjects	College Courses	

WEIGHTED (ADD-ON) COURSES:

Advanced Placement **Advanced Placement (AP) Courses** – These courses follow the Advanced Placement Curriculum. They are AP English 11, AP English 12, AP US History, AP Psychology, AP European History, AP Calculus AB, AP Calculus BC, AP Chemistry, AP Biology, AP Statistics, AP Computer Science A, AP Computer Science Principles, AP Art History, AP Economics, AP Physics 1, AP Physics 2, AP Environmental Science, AP Music Theory, AP Spanish and AP German.

Honors **Honor Courses** – These are the most demanding courses offered. Mathematics and Science courses (except Biology) are both enriched and taken one (1) year early. In Social Studies and English, Honors courses are enriched but taken at the normal time. Honors courses are identified on the transcript by “HON”.

NOTE: A student may receive “add-on” points for **no more** than thirty-two (32) Honors or Advanced Placement semester grades while at Trinity High School. The highest thirty-two (32) semester grades will be used at the end of the senior year to determine the weighted “add-on” for any student.

It is the student’s responsibility to ensure that all graduation requirements are met. Only those students who have completed all graduation requirements will be permitted to receive a Trinity diploma.

GRADUATION REQUIREMENTS (Board Policy 217):

- 1. Purpose** – The Board will acknowledge each student’s successful completion of the instructional program appropriate to the student’s interests and needs by awarding a diploma at graduation ceremonies.
- 2. Authority** – The Board shall adopt the graduation requirements students must achieve, which shall include course completion and grades, completion of a culminating project, and results of district and state assessments.

Title 22 Section 4.24 SC 1611, 1613

The Board shall award a regular high school diploma to every student enrolled in this district who meets the requirements of graduation established by this Board as part of the district’s Strategic Plan.

Title 22

Section 4.13, 4.24 Policy 100, 102

A requirement for graduation shall be the completion of work and studies representing the instructional program assigned to grades 9 through 12.

Title 22

The Board requires that each candidate for graduation shall have earned twenty-three and one half (23 ½) credits for the class of 2013 and thereafter. The fourth year of high school shall not be required if the student has been accepted by an accredited institution of higher learning and has completed all requirements for graduation.

- 3. Delegation of Responsibility** – The Superintendent or designee shall be responsible for planning and executing graduation ceremonies that appropriately recognize these important achievements.
- 4. Guidelines** – Accurate recording of each student’s achievement of academic standards shall be maintained, as required by law and state regulations. **Pol. 213, 216**
- 5. Graduation Course Requirement:** A total of 23.5 credits are required for graduation. Additionally, the successful completion of the graduation project (community service) and appropriate scores on the Keystone/Trinity tests are required for graduation. A full year’s course will be given one (1) credit and a semester course one-half (1/2) credit.

A. Course Requirements for graduation:

Subjects	Credits Required
English	4 credits
Social Studies	4 credits
Science	4 credits
Mathematics	4 credits
Physical Education	1.5 credits
Health	.5 credits
Fine Arts **	1.0 credits
Elective Credits	3.5 credits
Graduation Project (community service)*	1 credit

TOTAL CREDITS REQUIRED 23.5

***Graduation Project**

Class of 2018 will be required to complete 10 hours of community service, and 2 job shadows.
Starting with the class of 2019, 10 hours of community service will be required before graduation.

****Fine Arts**

This requirement can be met by taking courses in the following areas:

- Art Courses (All Courses)
- Choral/Vocal Music Courses (All Courses)
- Instrumental Music Courses (All Courses)
- Industrial Technology (Select Courses Only)
- Television Production & Broadcasting
- Computer Science Courses (Select Courses Only)
- Business/Technology (Select Courses Only)

B. Keystone Remediation:

Please be aware the PDE is continually updating the regulations for Graduation Requirements. Eventually, students will be required to complete Project Based Assessments in Algebra 1, Literature, and Biology if they do not score proficient or advanced on the Keystone tests. Trinity High School will adapt as these guidelines change.

Until such time as the Project Based Assessments become available, seniors who have not passed the Keystones must pass locally developed Trinity Tests to be eligible for graduation. Seniors will have to pass all three Keystones or four local assessments (The Literature requirement is assessed in two sections locally – Reading and Writing).

BIOLOGY

- a. 10th grade students who do not score proficient or advanced in 9th grade on the Biology Keystone Test will be required to complete a Biology Keystone remediation class during their sophomore year. Students will retake the Biology Keystone Exam in December and/or May of their 10th grade year.
- b. 11th grade students who do not score proficient or advanced on the Keystone Biology Test in 10th grade will retake the Keystone Biology Test in December and/or May of their 11th grade year.
- c. Students who do not pass the Keystone Biology Test by the end of 11th grade will be required to complete a Project Based Assessment (assessed by PDE) in Biology. If PDE is not ready to introduce this requirement, students will need to pass a local assessment in Biology.
- d. 12th grade students who fail to pass the Keystone Biology Test prior to the end of the 11th grade year and/or satisfactorily complete a Project Based Assessment (assessed by PDE) in Biology will NOT graduate. If the PDE is not ready to introduce the Project Based Assessment yet, students who do not successfully complete the Biology local assessment will NOT graduate.

ALGEBRA

- a. 9th grade students who were enrolled in 8th Grade CC/Algebra 1 or Honors Algebra 2 in 8th grade, and *did not score* proficient or advanced on the Algebra 1 Keystone Exam, will be required to enroll in Algebra 1 their freshman year. Remediation will occur during class.
- b. 9th grade students will take the Algebra 1 Keystone Exam in May, after the completion of Algebra 1. *(If a student is not enrolled in this course, they will not be taking the Algebra 1 Keystone exam in 9th grade.)*
- c. 10th grade students in Algebra 1B will take the Algebra 1 Keystone Exam in May.
- d. 11th grade students who *do not score* proficient or advanced on the Algebra 1 Keystone Exam by the conclusion of tenth grade, will be required to enroll in Financial Algebra, a Keystone remediation course, their junior year. Students will explore aspects of Algebra 1 in context and will re-take the Keystone Exam both in December and May *(if not passed in December)* of their junior year.
- e. Students who do not pass the Algebra 1 Keystone Exam by the end of 11th grade will be required to complete a Project Based Assessment (assessed by PDE) in Algebra 1; if PDE is not ready to introduce this requirement, seniors will need to pass a local assessment in Algebra 1.
- f. 12th grade students who fail to pass the Algebra 1 Keystone Exam prior to the end of the 11th grade year and/or do not satisfactorily complete a Project Based Assessment (assessed by PDE) in Algebra 1 will NOT graduate. If the PDE is not ready to introduce the Project Based Assessment yet, students who do not successfully complete the Algebra 1 local assessment will NOT graduate.

LITERATURE

- a. 9th grade students who do not score proficient or advanced on the 8th grade PSSA tests may be required to complete a Reading Remediation course with the Reading Specialist in their freshman year. The Reading Specialist will evaluate each individual to determine the needs of each student and make recommendations for the 10th grade year. Students will take the Literature Keystone test at the end of their 10th grade year.
- b. 11th grade students who do not score proficient or advanced on the Keystone Literature Test in 10th grade will be required to complete a Keystone remediation in their junior year. Students who do not pass the Keystone Test by the end of 11th grade will be required to complete a Project Based Assessment (assessed by PDE) in Literature; if PDE is not ready to introduce this requirement, seniors will need to pass two local assessments –Reading and Writing. Students who have not passed the Literature local assessment by the beginning of the second semester of their senior year will be placed in a graded remediation class.
- c. Students who do not pass the Keystone Tests by the end of 11th grade will be required to complete a Project Based Assessment (assessed by PDE) in Literature; if PDE is not ready to introduce this requirement, seniors will need to pass a local assessment in Reading and Writing.
- d. 12th grade students who fail to pass the Keystone Test prior to the end of the 11th grade year and/or satisfactorily complete a Project Based Assessment (assessed by PDE) in Literature will NOT graduate. If the PDE is not ready to introduce the Project Based Assessment yet, students who do not successfully complete the Reading and Writing local assessments will NOT graduate.

C. Literature, Algebra 1 and Biology Requirements for Graduation:

All students are required to score Proficient or Advanced on the Keystone Test in each of the scored individual areas. If a student does not score at this level on the Keystone, they may be required to complete a project in Literature, Algebra 1 and Biology along with a remediation class as per PDE requirements. The Literature project will be administered by the English Department, Algebra 1 by the Math Department, and Biology by the Science Department. Parents/Guardians who wish specific details about these assessments may contact the principal's office.

D. Graduation Project:

All students will be required to complete 10 hours of community service before they graduate.

Class of 2017 will be required to have 10 hours of community service, 2 job shadows, and 3 post secondary visits.

Class of 2018 will be required to complete 10 hours of community service, and 2 job shadows.

Starting with the class of 2019, 10 hours of community service will be required before graduation.

A transfer student during the senior year whose permanent records indicate a graduation project has been completed at another Pennsylvania school district will be considered to have met Trinity High School's graduation project requirement.

Out of state students, transferring to Trinity High School after the first nine (9) weeks of their senior year, may have the graduation project requirement waived by the principal.

E. Graduation Honors:

A student will be recognized in the Commencement Program as an Honors Graduate if she/he maintains weighted GPA of 3.75 cumulative in grades 9, 10, 11 and 12. The district will purchase an honor cord for each graduating honor student.

The graduating senior(s) who has the highest cumulative weighted grade point average and who has met all course requirements will be designated as valedictorian(s) regardless of the number of credits earned.

F. Make-Up Courses:

Senior students who fail a course required for graduation shall be given an opportunity to attend either cyber summer school or a special concentrated accelerated independent study program after the scheduled graduation exercise and at the student's own expense. The remedial make-up course will receive "credit only" toward graduation requirements (no quality points).

A student who does not meet the requirements for graduation will not receive a diploma until all Graduation requirements are met. (Exceptions are including Chapter 14 & 15 students).

WEIGHTED ADD ON GRADES:

Trinity High School uses a weighted class rank system.

1. A review of the objectives of the weighted grading system is included below:
 - a. Compensate those students in Honors and/or Advanced Placement classes in proportion to the difficulty of those courses.
 - b. Make advanced students more competitive in admission to highly selective colleges and universities and in selection for academic scholarships and college level honors programs.
 - c. Encourage academically qualified students to take the most challenging courses available.
 - d. Communicate to colleges and universities which of our students are the most academically talented.
 - e. Avoid placing students who do not pursue the advanced studies or those who are already working at the peak of their ability levels at a disadvantage.
 - f. Ensure that the elective program continues to be strong by not penalizing those students who take courses in the fine arts and other elective areas and who also pursue a difficult academic curriculum.
2. The Trinity High School weighted grading system has the following features:
 - a. Grade point averages (GPA) will be computed on a traditional four (4) point scale.
 - b. A value will be added to the GPA illustrating the difficulty of the curriculum a student has pursued and how well the student has done in that curriculum in relation to his/her peers.
 - c. Only grades earned in Honors and Advanced Placement courses will be given an additional value when calculating weighted GPA.
 - d. A maximum of thirty-two (32) semesters will be included in the calculation of the weighted class rank and weighted GPA. For those students who take more than the thirty-two (32) Honors and Advanced Placement semesters, the thirty-two (32) highest grades in those courses will be included at the end of senior year in the calculation of the weighted GPA.

The maximum weighted GPA on each year is as follows:

9 th grade	4.2500
10 th grade	4.5000
11 th grade	4.7500
12 th grade	5.0000

- e. Since the additional value will be added to the un-weighted GPA rather than being averaged into it, taking electives will **NOT** lower the weighted class rank.

MARKING SYSTEM:

The grading system represents various levels of achievement. These levels indicate student achievement compared to others studying the same subject matter. Since learning is a cumulative process, cumulative grading will be used for each semester. Whether a teacher grades by a percentage system or a point system, the student's points or percentage will be computed over the entire semester. The first and third nine (9) week grades are progress reports to the parents/guardians. The semester grade is the final grade based on the entire semester's work. **Cumulative grade point average is calculated at the end of each school year.**

NOTE:

An "F" in the 1st semester of a full year course will necessitate at least a "C" in the 2nd semester of that course in order for a student to receive a passing grade for the year.
An "F" in the 2nd semester of a full year course equates to a failure of the course.

NATIONAL HONOR SOCIETY:

Juniors and seniors who have weighted GPA's of 3.75 or higher will be considered for membership. Other criteria include: ten hours of community service (documented by a NHS adviser), no grades of D or F throughout the year, no major infractions of school procedures and rules, and completion of a minimum of four Honors or AP level credits.

HONOR ROLL:

The honor roll is calculated every grading period. To be considered for the honor roll a student must have a GPA of 3.4 or higher. To be considered for the high honor roll a student must have a GPA of 3.75 or higher.

GRADUATION HONORS:

A student will be recognized in the Commencement Program as an Honors Graduate if he/she maintains a minimum weighted GPA of 3.75 cumulative in grades 9, 10, 11 and 12. The graduating seniors who have the highest cumulative grade point average and rank and who have met all course requirements will be designated as Valedictorian regardless of the number of credits earned.

SUMMER SCHOOL:

Summer School classes are credit recovery courses designed for students who have failed a course during the regular school year and acceleration courses for those students wishing to move more swiftly through their requirements. Both types of courses will be delivered via an On-line/Cyber format with an on-site "Lab" element.

All 12th grade students must meet the mandatory requirements for graduation. If a student receives an "I" for a semester grade in any subject during the senior year and fails to make up the "I," he/she will NOT graduate. This will be true even if the student has already earned the number of credits required for graduation. Second semester incompletes of graduating seniors must be made up within two (2) school days after senior grades are due.

Students in grades 9, 10 and 11 who receive an "I" for a grading period must make up the work. If the "I" is not made up, this indicates that the course requirements have not been met, therefore, no credit will be given. Failure to make up a first semester "I" in an all year course will result in failure for the year, regardless of the second semester grade. Intermittent (1st and 3rd) marking period "I" grades are to be made up at the discretion of the subject teacher.

Any semester "I" incomplete must be made up within ten (10) school days following the day of distribution of report cards, unless extenuating circumstances exist which will allow extended time if approved by the principal. Teachers must submit in writing, to the principal, any extension requests prior to the close of the semester work.

No credit will be given in a course with an incomplete after the ten day limit unless an extension request has been granted by the building principal.

WESTERN AREA CAREER & TECHNOLOGY CENTER (WACTC):

All students have the opportunity to complete an application for WACTC during their ninth grade year. Students can attend WACTC during grades 10, 11, and 12. .

If a student fails more than one core academic course, they may not be able to continue to attend WACTC.

All students enrolled in one of the WACTC programs will be awarded four elective credits in their vocational program in accordance with school board policy.

The Western Area Career & Technology Center has been established by the participating districts: Avella, Burgettstown, Canon McMillan, Chartiers-Houston, Fort Cherry, McGuffey, Peters Township, Trinity Area, and Washington. Students from the nine participating districts will attend their home school on a half day basis for their academic training. The remaining half day will be spent at the WACTC for career and/or technical training. Transportation will be provided for WACTC students by the home school district.

Students may participate in extra-curricular activities provided conflicts such as transportation, schedules, practices, etc. are able to be resolved. Upon successful completion of required schooling, each student will receive his/her diploma from Trinity High School.

WACTC will only be offered in the am.

WACTC Programs of Study:

Automotive Mechanics	Electrical Occupations
Carpentry	Emergency & Protective Services
Child Care	Health Assistant
Collision Repair Technology	Heating & Air Conditioning
Computer Networking	Machine Shop
Cosmetology	Masonry
Culinary Arts	Mechatronics
Welding	

* For additional information about Western Area Career and Technology Center, please see your high school guidance counselor or visit www.wactc.net

- Students that attend WACTC for *all three years* need to meet all of the aforementioned graduation requirements except for.
 - Science 1 year credit
 - Social Studies 1 year credit
- If students do not attend WACTC for all three years they will have to complete both the Science and Social Studies requirements.

State-Wide Articulation:

WACTC is involved in the state-wide articulation agreement program names SOAR. This program offers qualifying students advanced credit(s) by partnering with post-secondary institutions in aligned CTE programs. Students may earn 9 to 25 credits. The students must pass all industry certifications with advanced stating and meet the required GPA both at WACTC and their home school. To view current advanced credit opportunities, please visit www.collegetranser.net.

Registered Youth Apprenticeship Program:

The Registered Youth Apprenticeship Program is a comprehensive educational and training program available to students who have completed the tenth (10th) grade. The program is designed for the students to receive the academic course requirements at Western Area Career and Technology Center and the technical training at Western Area Career and Technology Center and at the job site.

Parents/Guardians and students of Trinity High School who are interested in the services of the WACTC should contact a counselor at the high school.

ADVANCED PLACEMENT AND ARTICULATION AGREEMENTS:

Students at Trinity High School can utilize a variety of options to meet Trinity High School graduation requirements and earn credits for colleges, universities, technology or trade schools, or other post-secondary learning institutions.

Advanced Placement Program:

The College Entrance Examination Board offers the Advanced Placement Program. This program is designed to allow students to pursue work on the college level while still in high school. The work involved is commensurate with the abilities of the students and is in the interest of colleges that welcome incoming students who are prepared for courses more advanced than those usually studied in the college freshman year.

Advanced Placement courses are equivalent to college freshman courses in breadth and depth and should recognize and reward students who successfully complete them. Individual colleges determine whether students who score sufficiently high on the advanced placement tests are granted advanced placement and/or college credit. Please note the Trinity Area School District and Trinity High School do not guarantee acceptance of the AP Test Scores for credit by any post-secondary institution. It is the responsibility of the student to inquire at the post-secondary institutions to determine if they accept AP scores and, if so, the minimum score that the institution will accept for credit for each course. Specific institutions and intended majors require certain minimum scores.

The cost for the AP Exam is the responsibility of the student and their families. The Trinity Area School District has reimbursed students in the past dependent upon the student's test score; however, there is no implied guarantee that the Board of School Directors will do so in the future.

The following courses will be offered. These are all year-long courses.

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| 1. | Advanced Placement English 11 | (11 th graders only) |
| 2. | Advanced Placement English 12 | (12 th graders only) |
| 3. | Advanced Placement US History | (10 th graders only) |
| 4. | Advanced Placement European History | (11 th & 12 th graders) |
| 5. | Advanced Placement Calculus AB | (11 th & 12 th graders) |
| 6. | Advanced Placement Calculus BC | (12 th graders only) |
| 7. | Advanced Placement Chemistry | (11 th & 12 th graders) |
| 8. | Advanced Placement Biology | (11 th & 12 th graders) |
| 9. | Advanced Placement Statistics | (10 th , 11 th & 12 th graders) |
| 10. | Advanced Placement Computer Science A | (11 th & 12 th graders) |
| 11. | Advanced Placement Computer Science Principles | (10 th graders) |
| 12. | Advanced Placement Art History | (11 th & 12 th graders) |
| 13. | Advanced Placement Psychology | (11 th & 12 th graders) |
| 14. | Advanced Placement Music Theory | (11 th & 12 th graders) |
| 15. | Advanced Placement Economics | (11 th & 12 th graders) |
| 16. | Advanced Placement Physics 1 | (11 th & 12 th graders) |
| 17. | Advanced Placement Physics 2 | (12 th graders only) |
| 18. | Advanced Placement Environmental Science | (11 th & 12 th graders) |
| 19. | Advanced Placement German | (11 th & 12 th graders) |
| 20. | Advanced Placement Spanish | (11 th & 12 th graders) |

Articulation Agreements with Institutions Accepting Trinity High School Course Grades

Trinity Area School District students may earn post-secondary credits for courses taken at Trinity High School and taught by Trinity High School faculty prior to the student's graduation from high school. Normally there is no fee from the receiving institution.

University of Pittsburgh – Trinity students will be able to earn college credits while taking Debate. The program "College in High School" is sponsored by the University of Pittsburgh. For a nominal fee, students have the option to receive college credits in addition to credit from Trinity. Upon completion of the school's criteria, students will receive a college transcript from the sponsoring school or transfer the credits to another sponsoring school willing to accept them.

SKYWARD:

Online access to individual student's class information is available to both students and parents. Access codes are available through the Guidance office.

LIFE SKILLS FOR INDEPENDENT LIVING:

This program is for qualified I.E.P. students. They will receive all core subject areas based on a standard curriculum. The curriculum will be presented at lower reading levels and with an emphasis on practical application to life situations.

PAS (PROMOTING ACADEMIC SUCCESS):

Program is a one credit, college level course that was designed specifically for high school students with disabilities as an opportunity to explore post-secondary options. The program is open to high school seniors. However, it is important to note that in order for OVR to pay for the program a student must be working with OVR as a client. This program is for qualified IEP students.

COMMUNITY BASED INSTRUCTION:

This program is for qualified I.E.P. students. They will receive unpaid vocational exploration and training experience to facilitate transition from school to integrated or supported employment. Relevant community support services are incorporated in this program.

LEARNING SUPPORT/EMOTIONAL SUPPORT PROGRAMS:

These programs are offered to those students who qualify. Identified students will follow the regular curriculum with the adaptations indicated in the individual student's I.E.P.

GIFTED PROGRAMS:

These programs are offered to students who qualify. Identified students will enhance the regular education programs through their respective G.I.E.P.

TEEN OUTREACH PROGRAM:

Trinity Area School District will offer a Teen Outreach Program. This program will be voluntary in nature. The content of the program will entail Postponement of Sexual Involvement and Prevention of Pregnancy. It will be available to all students through their Physical Education class with parental permission.

RMC:

The library has both print and non-print materials to enhance and support the curriculum. A computer network of on-line electronic databases provide access to comprehensive and up-to-date information from books, encyclopedias, magazines, newspapers, government documents, and various other resources. Combined with the Internet, these programs link students to national and global resources. The Internet is used as an educational tool. **Students must comply with the Trinity Area School District Acceptable Use Policy for Computer Technology and must have returned the Computer Technology Policy Agreement Form signed by a parent or guardian.**

ATHLETIC ELIGIBILITY:

Meeting requirements for participation in athletics at the interscholastic level and/or intercollegiate level is the responsibility of the student/parent. Information will be disseminated through the athletic department in an athletic orientation assembly at the beginning of the school year, as well as being espoused on the School District Website. Additionally, any inquiries should be forwarded to the Athletic Director.

ACADEMIC RESOURCE CENTER:

The Academic Resource Center, located in the high school library, is available for student use from 3 pm to 4 pm, Monday through Thursday to help students with their individual subject area needs and to provide help for student academic success in both classroom and online courses. A schedule of the subject teachers per day will be made available at the beginning of each school year.

CYBER SOLUTIONS INITIATIVE (CSI):

The Cyber Solutions Initiative is home to an exciting, engaging, online learning environment that is designed to capture your child's attention and draw them into the interactive world of web-based education. The CSI utilizes Moodle as its instructional platform with the opportunity to incorporate additional platforms if necessary. Students requiring credit recovery may be placed into the cyber version of the course that they did not pass in the classroom.

Students seeking credit acceleration will complete an application to be approved by guidance and the department head prior to taking the course. Students enrolled in the CSI may be charged a fee per course.

Students interested in a full time or blended cyber schedule should request a meeting with the cyber coordinator and their guidance counselor.

COURSE SELECTIONS

ENGLISH LANGUAGE ARTS

Each student is required to successfully complete a full year English course each year. English electives cannot be used to satisfy this requirement. It is strongly recommended that all students enrolling in an Advanced Placement English course have a “B” grade or better in their present English Course. It is strongly recommended that English Honors 9 and English Honors 10 be taken before Advanced Placement English 11 and Advanced Placement English 12. Students may not take more than two (2) required English classes in one (1) year unless approved by the high school administration.

NOTE: These are full year courses. In order to receive credit, students must complete both semesters. Any novel in the course description deemed unacceptable by a parent/guardian should be stated so in writing and submitted to the principal’s office by June 15th.

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|------------|--|-----------------|-----------------|
| 113 | English 9 | 1 credit | all year |
| | This area of study will address the skills required in the Pennsylvania Common Core standards with an emphasis on increased rigor. The course will emphasize critical and creative thinking, reading, and writing. Literature studies include a variety of multicultural selections such as <i>The Odyssey</i> , <i>Lord of the Flies</i> , <i>Romeo and Juliet</i> , <i>Animal Farm</i> , and <i>Tuesdays with Morrie</i> , a variety of short stories (both fiction and nonfiction), poetry, and essays. A career research project utilizing proper MLA formatting will be required. Additional emphasis will be placed on communication skills such as vocabulary development and class participation. | | |
| 114 | English 9 Honors | 1 credit | all year |
| | This area of study is for the highly motivated, college-bound student interested in a challenge. Students will analyze, evaluate, and synthesize multi-cultural novels, poetry, short stories, and essays. Readings may include <i>The Count of Monte Cristo</i> , <i>Great Expectations</i> , <i>Romeo and Juliet</i> , <i>Animal Farm</i> , <i>Lord of the Flies</i> , <i>Things Fall Apart</i> , Greek myths, and excerpts from the <i>Iliad</i> and/or the <i>Odyssey</i> . Different modes of writing including literary-response, informational, and persuasive will be emphasized in addition to weekly vocabulary and SAT practice. MLA research methods will be used to complete a mandatory World Literature Research Project. Every student is expected to be an active, participating member of the class. Efficient time management skills, independent reading, and class participation will be an integral part of this course. | | |
| 116 | Language! | 1 credit | all year |
| | This enrichment class is for students with IEPs only. The <i>Language!</i> Course is a comprehensive literacy curriculum. This curriculum is designed to accelerate literacy development. Each student will be placed in the appropriate <i>Language!</i> Class based on readability level. | | |
| 123 | English 10 | 1 credit | all year |
| | This course addresses the skills required in the PA Common Core standards with an emphasis on increased rigor. Critical reading of multicultural literature, vocabulary enrichment, effective writing skills, and speech techniques will be covered. A review of grammar and usage and a mandatory persuasive research project will augment student communication skills. The literary selections may include <i>A Separate Peace</i> , <i>Julius Caesar</i> , <i>Our Town</i> , <i>Night</i> , and <i>To Kill A Mockingbird</i> . Short stories, nonfiction selections, and poetry will also be examined. | | |
| 124 | English 10 Honors | 1 credit | all year |
| | This area of study is for highly motivated college-bound students who will analyze, evaluate, and synthesize novels, poetry, and short stories. Selections may include <i>A Midsummer Night’s Dream</i> , <i>A Raisin in the Sun</i> , <i>The Chosen</i> , <i>The Good Earth</i> , <i>Night</i> , <i>October Sky</i> , <i>Our Town</i> , <i>To Kill A Mockingbird</i> , <i>Bless Me</i> , <i>Ultima</i> , and <i>Twelfth Night</i> . Critical and creative thinking and writing, speaking skills, vocabulary enrichment, Keystone Exam and SAT practice, technology projects, and MLA research methods will be utilized in this course. Students will be required to complete a mandatory persuasive research project. Literature circles, topic tracking, and text-response notes will be implemented to encourage lively discussions and critical thinking. Independent reading and active class participation will be an integral part of the course. | | |
| 134 | English 11 | 1 credit | all year |
| | This course addresses the skills required in the PA Common Core standards with an emphasis on increased rigor. American literature such as <i>The Scarlet Letter</i> , <i>Adventures of Huckleberry Finn</i> , <i>The Crucible</i> , <i>Fences</i> and <i>The Catcher in the Rye</i> may be studied as well as various short stories, poems, and essays. Students will write informational, persuasive, and literary-based essays to improve writing skills. MLA research methods will be used to complete a mandatory research project. Independent reading, vocabulary enrichment, and active class participation will be an integral part of this course. | | |
| 135 | AP English 11 Language & Composition | 1 credit | all year |
| | The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students will become aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effect writing. Readings may include but are not limited to: <i>The Great Gatsby</i> ; <i>The Scarlet Letter</i> , <i>Long Day’s Journey Into Night</i> , <i>The Grapes of Wrath</i> , <i>A Farewell to Arms</i> , <i>Ethan Frome</i> , and <i>Fences</i> . | | |

144	English 12 This course addresses the skills required in the PA Common Core standards with an emphasis on increased rigor. Components of this course include a study of poetry, short stories, expository writing, research techniques, independent vocabulary study, and class participation. Selections may include <i>Beowulf</i> , <i>The Canterbury Tales</i> , <i>Macbeth</i> , <i>Othello</i> , <i>King Lear</i> , <i>Silas Marner</i> , <i>Frankenstein</i> , <i>Pride and Prejudice</i> , <i>Oliver Twist</i> , and <i>A Tale of Two Cities</i> . A mandatory research project as well as essays and other writing prompts are required.	1 credit	all year
145	AP English 12 Literature This class is for the highly motivated college-bound student interested in challenging academic materials. The course consists of the close, deliberate reading and thoughtful discussion of a variety of representative novelists, playwrights, and poets. Frequent analytical essays, expository essays, argumentative essays, journal responses, and essay tests will help students better understand, evaluate, analyze, synthesize, and explain works of literature while working to improve their writing's overall style to prepare them for the Advanced Placement Test in English Literature and Composition. Group presentations, individual presentations, class participation, technology projects, and research projects will supplement the class. The selections for reading may include, but are not limited to: <i>Oedipus Rex</i> , <i>Hamlet</i> , <i>Death of a Salesman</i> , <i>A Tale of Two Cities</i> , <i>Slaughterhouse Five</i> , and <i>Wuthering Heights</i> , or <i>Their Eyes Were Watching God</i> .	1 credit	all year
150	Journalism I This is a course in the history, reporting, and writing of news, feature, entertainment, editorial, opinion, and sports articles. Students will conduct extensive interviews and learn the Associated Press style of writing. The responsibilities of the media will be emphasized along with the laws and ethics of journalism. Students will study article examples from the professional press with an emphasis on newspaper reporting and style. Considerable writing and public speaking is required in this course. Upon successful completion of the course, students are encouraged to become staff members of the school newspaper, the <i>Hiller</i> . This course is open to 9 th , 10 th , 11 th , and 12 th grade students.	½ credit	1 semester
151	Journalism II <i>Prerequisite – Journalism I</i> Students in this class are responsible for the production of the school newspaper, <i>The Hiller</i> . Students will become proficient in interviewing and word processing to prepare their stories for publication in the school newspaper. Each member of the staff will be required to write articles for the newspaper and aid with the duties related to the distribution of the paper. This class is open to 10 th , 11 th , and 12 th grade students. *Please note that Journalism II, III and IV students make up <i>The Hiller</i> staff and are enrolled in the same class period.	1 credit	all year
152	Journalism III <i>Prerequisite – Journalism I and II</i> Students in this class are responsible for the production of the school newspaper, <i>The Hiller</i> . Students will become proficient in interviewing and word processing to prepare their stories for publication in the school newspaper. Students will also become proficient in the layout and design of the school newspaper using InDesign. The technology and Associated Press style of writing used in this class are those used by professional newspapers worldwide. Students at this level are encouraged to apply for section editor roles to serve as an editorial board for the school newspaper. This class is open to 11 th and 12 th grade students. *Please note that Journalism II, III and IV students make up <i>The Hiller</i> staff and are enrolled in the same class period.	1 credit	all year
153	Journalism IV <i>Prerequisite – Journalism I, II, III</i> Students in this class are responsible for the production of the school newspaper, <i>The Hiller</i> . Students will become proficient in interviewing and word processing to prepare their stories for publication in the school newspaper. Students will also become proficient in the layout and design of the school newspaper using InDesign. The modern technology and Associated Press style of writing used in this class are those used by professional newspapers nationwide. Students at this level are encouraged to apply for section editor roles to serve as an editorial board for the school newspaper. This class is open to 12 th grade students. *Please note the Journalism II, III and IV students make up <i>The Hiller</i> staff and are enrolled in the same period.	1 credit	all year
154	Public Speaking This course is designed to give the student an introduction to the characteristics and the delivery of various types of speeches, as well as an opportunity to plan and participate in discussions of contemporary problems. Areas covered will include oral readings, original speeches, Student Congress, impromptu, and extemporaneous speaking.	½ credit	1 semester
155	Advanced Public Speaking & Media <i>Open to 11th and 12th grade only.</i> This semester course will take the student beyond the basic skills taught in public speaking and debate. Students will work both in a group and independently in the advanced areas of oral interpretation, speech writing, and debating. Technology usage will be incorporated into each assignment. A class project to extend beyond the classroom (Ex: A group presentation to other classes or a community project) will give the student a broader view of communication.	½ credit	1 semester
156	Honors Debate I This course is designed to give the student familiarity with, and practice in, the principles of the use of logical reasoning and the oral presentation of sound argument. The student will be given practice in formal debate, team debate, one-on-one styles, panel discussions, and Student Congress formats. In addition, students will host a school community public forum. This course is part of the College in High School program. (See page 9).	½ credit	1 semester

- 157 Digital Media & Communication for the 21st Century** **½ credit** **1 semester**
 Students will become proficient in the use of 21st century tools to access, manage, integrate, evaluate and create information. Students will further develop their creativity and innovation, communication and collaboration, research and information fluency, problem solving and decision making, and technology operations and concepts. Students will be exposed to digital citizenship, career exploration and digital portfolio through critical thinking and ethical choices. The ethics, validity and responsibilities of all communications and research documentation for all communicators will be an integral part of the course. Students will story board and write scripts for online videos. Any new communication programs that come onto the market will be addressed so as to keep the course current.
- 158 Honors Writing Workshop** **½ credit** **1 semester**
 This course is designed to improve students' writing abilities in the genres of poetry, fiction, memoir and drama. Students will experiment with personal and reflective writing and study the models of the various writing forms. With the course's primary focus being the creation of original work, the students will also broaden their vocabulary as well as publish and/or perform their work. Students will discover various writing techniques through direct instruction, individual and small-group projects, readings, and classroom workshops. Students will publish a personal writing anthology at the culmination of the course. A workshop-style setting will provide an individualized approach. This elective semester course is open to juniors and seniors and will not replace any required English class.
- 159 Honors Great Books Reading and Discussion** **½ credit** **1 semester**
 Explore some of the greatest works of literature in history. The integrated readings of multidisciplinary studies include significant works of fiction, philosophy, political science, poetry, and drama. This course is based on the Great Books Foundation, which was created by the University of Chicago. The shared inquiry method of reading and discussion will be used in this course through text-based discussion and critical thinking. Among the writers to be examined are Aristotle, William Faulkner, John Locke, Anton Chekov, Leo Tolstoy, and Nikolai Gogol. The course will also include an examination of *The Declaration of Independence*. This elective semester course is open to juniors and seniors and will not replace any required English class.
- 160 Honors Debate II** **½ credit** **1 semester**
Prerequisite – Honors Debate I
 This course is a continuation of Honors Debate I. A brief review of the debate fundamentals – philosophy, terminology, debate formats covered in the first course serve as the foundation for this class. If a student has not taken the CHS Argumentation credit previously, he/she will be able to do this through this course. This course will focus on historical speeches and all debate formats. In addition, this course will host a community public forum.
- 161 Honors Debate III** **½ credit** **1 semester**
Prerequisite – Honors Debate II
 This course is a continuation of Honors Debate II. A brief review of the debate fundamentals – philosophy, terminology, debate formats – covered in the first course serve as the foundation for this class. In addition to hosting a community public forum, state and local debate issues will be addressed. If a student has not taken the CHS Argumentation credit previously, he/she will be able to do so through this course. In addition, state and local debate issues will be addressed.
- 163 SAT Test Preparation (10th)** **½ credit** **1 semester**
 This course is designed for the college bound student who is interested in improving his/her college entrance exam scores. This Pass/Fail course will specifically address the English and Math components of the SAT exam. The class will incorporate the Khan Academy that provides exclusive access and advice to build a personalized practice program for each individual student. Included will also be practice tests plus study and test-taking tips. This class will NOT count towards the student grade point average.
- 164 SAT Test Preparation (11th)** **½ credit** **1 semester**
 This course is designed for the college bound student who is interested in improving his/her college entrance exam scores. This Pass/Fail course will specifically address the English and Math components of the SAT exam. The class will incorporate the Khan Academy that provides exclusive access and advice to build a personalized practice program for each individual student. Included will also be practice tests plus study and test-taking tips. This class will NOT count towards the student grade point average.

SOCIAL STUDIES

- 213 World History** **1 credit** **all year**
 The purpose of this course is to give the student a basic understanding of history and its role in the development of the modern world. The major problems and great contributions to history will be analyzed to help the student use history to understand his/her society and the world today.

- 214 World History – Honors 1 credit all year**
 This course is an intensive study of civilization from ancient Greece through the present. Emphasis will be placed on thematic development of political, social, economic, cultural, and religious trends. Cause and effect relationships, critical analysis, and concept manipulation are key higher-level thinking skills to be developed. The course will enhance essay writing, outline skills, time-management, oral expression, and study habits. One major reading project and one group research project are included. This course assumes the student will enroll in a four (4) year college following high school.
- 223 American History 10 1 credit all year**
 The aim of this course is to develop the student’s ability to participate in the decision making process inherent in a democratic society. Student participation will be encouraged in large and small group discussions, as well as simulations, role playing, and oral reports.
- 224 Advanced Placement United States History 1 credit all year**
 The aim of this course is to give the student an over-all, comprehensive understanding of the major periods in American History. The student will do extensive reading in the following periods: American Revolution, New Nation, Jacksonian Period, Civil War, and Reconstruction, The Frontier, Progressive Era, and Twentieth Century United States. The student will become familiar with leading American historians and will examine primary and secondary sources in order to form his/her own conclusions as to what actually happened in the past.
- 234 Economics ½ credit 1 semester**
 This course offers an introduction to the study of economic institutions, theory and policy related to individuals and nations. Emphasis is placed on concepts and analytical tools so that one may gain an insight into the major economic problem that exist today. *Open to 11th and 12th grade students only. Requirement for graduation*
- 236 The Emerging World: Geography, History, Culture and Conflict ½ credit 1 semester**
 Students in this course will examine the geography, history, culture and contemporary issues facing world regions to include: Far East Asia, Latin America, the Middle East and Sub-Saharan Africa. Filling a void in the current curriculum, this course will focus on investigating the foundation facts, factors and results that have framed the history of these regions and as well as their effects and influence world-wide. *Open to 11th and 12th grade students.*
- 237 Advanced Placement Economics 1 credit all year**
AP Economics is a yearlong course made up of two college level semester courses. All students must take both courses.
 AP Microeconomics is a one semester college level course that is the first semester of a yearlong AP Economics course. The course emphasizes the economic principles concerning individual decision makers within the economy. The main areas of concentration include the nature of function of product markets, factor markets, efficiency, equity and the role of the government. AP Macroeconomics is a one semester college level course that is the second semester of a yearlong AP Economics course. This course emphasizes economic principles as applied to the economy as a whole. Lessons include national income accounting, economic indicators, inflation and unemployment, money and banking, loanable funds, stabilization policy and international economics. *Open to 11th and 12th grade students only. Requirement for graduation*
- 240 American Government ½ credit 1 semester**
 This course will emphasize the practical aspects of state and federal governments as well as provide a basic understanding of the principles upon which they are built. The goals of the class will be to develop within the student a knowledge of these forms of governmental policies and operations and an appreciation for the freedoms, values and responsibilities necessary in a democratic society. *Open to 11th and 12th grade students.*
- 241 Psychology ½ credit 1 semester**
 This course offers a representative survey of modern psychology. The history of psychology and psychological procedures is traced from the ancient to the present. Emphasis is placed on modern psychological knowledge and procedures which are applicable in the solution of personal and social problems. By a better understanding of ourselves we will better understand others. *Open to 11th and 12th grade students only.*
- 242 Sociology ½ credit 1 semester**
 This course is designed to provide the student with an understanding of society and social behavior from the sociological perspective. It will look at society as a whole, including the groups that compose it and the actions of individuals and how the social world is reflected in their behavior. The course is intended for the college bound student. It is taught using a college text and a number of primary and secondary readings. *Open to 11th and 12th grade students only.*
- 243 Advanced Placement European History 1 credit all year**
 The aim of this course is to give the student a general knowledge of the major themes of European history of the past five (5) centuries and to provide a deeper understanding of the political, economic, and intellectual forces involved in the historical process. By exploring primary and secondary materials, a student will have an opportunity to sense the flavor of an era, to assess the complexities of issues, and to discover how historians reach conclusions about the past. *Open to 11th and 12th grade students only.*

246 American Government – Honors **½ credit** **1 semester**
 This course is designed to provide the Honors level student with a background in the origins, institutions, and processes of American government and politics at the federal level. This will be achieved through the use of a college-level textbook, a variety of primary and secondary source readings, written examinations, and a final exam. *Open to 11th and 12th grade students only.*

247 Advanced Placement Psychology **1 credit** **all year**
 The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. *Open to 11th and 12th grade students only.*

SCIENCE

COURSE SEQUENCES

GRADE	HONORS/AP	COLLEGE PREPARTORY
9	Honors Biology	Biology
10	Honors Chemistry	Chemistry Physical Science
11	AP Physics 1 AP Chemistry AP Biology AP Environmental Science Hon Organic Chemistry	Chemistry Physics Anatomy and Physiology Astronomy and Meteorology Conservation Biology Environmental Science Forensic Science Geology and Oceanography
12	AP Physics 1 AP Chemistry AP Biology AP Environmental Science AP Physics 2 Hon Organic Chemistry	Physics Anatomy and Physiology Astronomy and Meteorology Conservation Biology Environmental Science Forensic Science Geology and Oceanography

313 Biology 9 **1 credit** **all year**
 This course presents an in-depth insight into the nature of life and its inter-relationship with matter and energy. The following topics will be studied: cell structure, chemical and physical cell processes, principles of heredity, genetics, living organisms observed from an evolutionary viewpoint, and ecological relationships in the biosphere. Computer technology is used to enhance study.

314 Biology 9 – Honors **1 credit** **all year**
Recommended – Enrollment in Algebra 2
 This is a laboratory and technology oriented course in the life sciences designed to provide the student with a background in biology that is as advanced as he/she is able to assimilate. Emphasis is placed on science as inquiry, the study of organisms from an evolutionary viewpoint, ecological relationships in the biosphere, cellular structure of organisms, the chemical basis for life, the complementary of structure and function in organisms, and the genetic continuity of life.

322 Physical Science **1 credit** **all year**
 This class teaches the principles of physics and chemistry in a conceptual manner. The chemistry topics covered include scientific measurement, matter, the gas laws, basic atomic structure, the periodic table, chemical bonding, and formula writing. The physics topics covered include motion in one direction, projectile motion, Newton’s laws, energy and work, momentum, vibrations and waves, sound and light, electricity, and magnetism. The course teaches basic lab skills and is supplemented by a variety of technology resources.

324 Chemistry **1 credit** **all year**
Prerequisite – Successful completion of Algebra I (2 periods per day; Lab alternates with Study Hall or gym).
 This course is designed to help students understand the following fundamental scientific principles: matter and energy, atomic structure, bonding, writing chemical formulas and chemical equations, the mole concept, kinetic theory, gas laws, volume – volume relationships in chemical equations, and solution chemistry. These concepts will be supplemented with laboratory experiments and computer technology. Math skills are required.

- 325 Chemistry 10 – Honors** **1 credit** **all year**
Prerequisite – Recommended “B” average in Biology 9 Honors and completion of Algebra 2 (2 periods per day; Lab alternates with Study Hall or gym).
 This course is designed to help students understand the following fundamental scientific principles: matter and energy, atomic structure, bonding, writing chemical formulas and chemical equations, the mole concept, kinetic theory, gas laws, volume – volume relationships in chemical equations, and solution chemistry. These concepts will be supplemented with laboratory experiments and computer technology. Math skills are required.
- 326 Astronomy and Meteorology** **½ credit** **1 semester**
 This one semester course will be based on the various aspects of astronomy and meteorology. The course will be divided into two main sections. In the first section, the students will learn about the formation of the solar system, nature of gravity and light, composition of other planets in the solar system, and the nature of stars, galaxies, and the universe. The second part of the course will be based on meteorology which includes the study of atmospheric conditions, cloud formation, atmospheric circulation, and the formation of weather systems (fronts).
- 327 Geology and Oceanography** **½ credit** **1 semester**
 This one semester course will explore geology and oceanography from an Earth Science perspective. Topics in geology may include: minerals, rock types and features, surface and groundwater, plate tectonics, geologic resources, and various issues in environmental geology. Topics in oceanography may include: ocean floor features and exploration, ocean motion, the marine environment, coastline features, and human impact on oceans.
- 328 Anatomy & Physiology** **½ credit** **1 semester**
 This one semester course is designed for students interested in pursuing a career in the health fields. The major systems of the human body will be studied including their components, structure, basic physiology and common disorders. These topics will be supplemented through the use of audiovisual materials and computer technology. Notebooks are required.
- 329 Environmental Science** **½ credit** **1 semester**
 This one semester course will examine major issues that affect our global environment. Topics may include energy, pollution, land use, population biology, species extinction, global climate changes, and the development of environmental policy. In addition, the students will gain a better understanding of environmental issues in Pennsylvania.
- 330 Forensic Science** **½ credit** **1 semester**
 This course is a laboratory-based course intended to study the application of forensic science. This is a multidisciplinary course that draws upon topics previously learned in chemistry and biology. This is an inquiry based course that uses scientific methods to solve crimes and other mysteries. In addition to deepening their understanding of scientific concepts, this course will sharpen student’s critical thinking and problem-solving skills. Throughout the course, topics that will be highlighted include, but are not limited to, observation skills, crime scene analysis, hair and fiber analysis, fingerprinting, blood splatter analysis, and forensic anthropology (skeletal analysis).
- 333 Conservation Biology** **½ credit** **1 semester**
 This course studies the plant life, animal life, and ecosystems of Pennsylvania. Topics covered include Pennsylvania geography, terrestrial and aquatic ecosystems, wetlands, mammals, birds, fish, amphibians, reptiles, and trees. The focus of this course is respect for, and conservation of, our natural resources. The laws of Pennsylvania that impact the conservation of these resources will also be studied.
- 336 Physics** **1 credit** **all year**
Recommended – Enrollment in Pre-calculus or Geometry and successful completion of Chemistry. (2 periods per day; Lab alternates with Study Hall or gym).
 This course offers a foundation in the general principles and theories of physics. Areas of concentration include Kinematics, Dynamics, Energy, Power, Momentum, Simple Harmonic Motion, Sound and Introduction to Light. Emphasis will be placed on laboratory experiments and computer technology. An above average background in mathematics and chemistry is recommended.
- 337 Advanced Placement Physics 1** **1 credit** **all year**
Prerequisites: Enrollment in Honors Pre-Calculus or Higher, and successful completion of Honors Chemistry or all year Chemistry with teacher recommendation; recommended grade of “B” or higher. (2 periods per day; Lab alternates with Study Hall or gym).
 The AP Physics 1 is a college level, Algebra based, Physics course based on the guidelines of the Advanced Placement Program. The course will replace the Honors Physics class offered in previous years. It is designed for the student who plans to pursue an engineering or science career. Topics include kinematics in one and two dimension, dynamics, circular and rotary motion, momentum, harmonic motion, waves, sound, electrostatics and DC circuits. Lecture, discussion, laboratory and inquiry-based activities are designed to develop the student’s conceptual understanding of physics principles. Students are prepared to take the AP Physics 1 exam.
- 338 Advanced Placement Physics 2** **1 credit** **all year**
Prerequisites: Enrollment in HONORS Pre-Calculus or Higher, and successful completion of AP Physics 1 or Physics (with teacher recommendation); recommended grade of “B” or higher. (2 periods per day; Lab alternates with Study Hall or gym).
 The AP Physics 2 is a college level, Algebra based, Physics course based on the guidelines of the Advanced Placement Program.

It is designed for the student who plans to pursue an engineering or science career. Topics include electricity and magnetism, fluid mechanics, light and geometric optics, thermodynamics, nuclear physics and modern physics. Lecture, discussion, laboratory and inquiry-based activities are designed to develop the student's conceptual understanding of physics principles. Students are prepared to take the AP Physics 2 exam.

- 339 Introduction to Organic Chemistry Honors** **½ credit** **1 semester**
Prerequisites: successful completion of Honors Biology and Honors Chemistry; recommended grade of “B” or higher in both of these.
 This one semester course focuses on the basic structure, naming, functions, and reactions of various classes of organic compounds. This course will also discuss current events topics relating to organic chemistry. Students will develop skills in critical thinking. There are no formal lab periods, and most lab exercises will be of a “paper and pencil” nature.
- 340 Advanced Placement Biology** **1 credit** **all year**
Prerequisite – Must be enrolled in or successfully completed Physics or AP Physics 1. It is also recommended that the student received a “B” average or above in Biology and Chemistry. (2 periods per day; Lab alternates with Study Hall or gym).
 This course is a college level course taught in accordance with the guidelines of the Advanced Placement program. It is designed for the student with a strong interest in the biological sciences. Major topics include biochemistry, cell biology, cellular energetics, genetics, evolutionary biology, taxonomy, plant anatomy and physiology, animal anatomy and physiology, and ecology. Through a combination of lecture, discussion, laboratory activities, and the use of computer technology, students are prepared to take the AP exam in biology. Laboratory work is an integral part of this course.
- 341 Advanced Placement Chemistry** **1 credit** **all year**
Prerequisite – Must be enrolled in or have successfully completed Physics or AP Physics 1. It is also recommended that the student received a “B” average or above in Chemistry. Students who plan on taking the SAT Subject Test in Chemistry should enroll in this class during their junior year. (2 periods per day; Lab alternates with Study Hall or gym).
 The science of chemistry will be introduced through lecture, laboratory investigation and computer technology. The basic principles of atomic structure, chemical bonds, stoichiometry, chemical kinetics, chemical equilibrium, introductory qualitative analysis, electrochemistry, gases, solids and solutions will be studied on an in-depth level.
- 342 Advanced Placement Environmental Science** **1 credit** **all year**
Prerequisite – Successful completion of Chemistry; recommended grade of “B” or higher. (2 periods per day; Lab alternates with Study Hall or gym).
 AP Environmental Science will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

MATHEMATICS

EXPECTED COURSE PROGRESSION

Grade	Track 1*	Track 2 *	Honors*
9	Algebra 1A	Algebra 1	Honors Geometry
10	Algebra 1B	Geometry	Honors Algebra 2
11	Financial Algebra	Algebra 2	Honors Pre-calculus**
12	Sr. Geometry (seniors only)	Pre-calculus**	AP Calculus AB**

ALL students must successfully complete four (4) years of math to graduate. Successful completion of Algebra 1, Algebra 2 and Geometry (Track 2 students) or Algebra 1A, Algebra 1B and Financial Algebra (Track 1 Students) are MANDATORY to meet graduation requirements. Students must take three 400 level (math) credits via PDE. Track 1 Students who have passed the Algebra 1 Keystone may take Geometry instead of Financial Algebra. Students CAN NOT use electives to meet the Math credit requirement until the Algebra 1 Keystone Test has been passed. Students who do not pass the Algebra 1 Keystone Test by the end of their junior year will be required to complete a project in their senior year (See Keystone Requirements on page 5 and Requirements for Graduation on page 4).

* Students may advance along the progression by doubling up, as long as the Algebra 1 Keystone Exam has been successfully completed. This can be accomplished by taking Honors Geometry *concurrently* with Honors Algebra 2 or by taking Geometry *concurrently* with Algebra 2.

Keystone Remediation: ALGEBRA (as stated on page 5)

- a) 9th grade students who were enrolled in 8th Grade CC/Algebra 1 or Honors Algebra 2 in 8th grade, and *did not score* proficient or advanced on the Algebra 1 Keystone Exam, will be required to enroll in Algebra 1 their freshman year. Remediation will occur during class.
- b) 9th grade students will take the Algebra 1 Keystone Exam in May, after the completion of Algebra 1. (*If a student is not enrolled in this course, they will not be taking the Algebra 1 Keystone exam in 9th grade.*)
- c) 10th grade students in Algebra 1B will take the Algebra 1 Keystone Exam in May.
- d) 11th grade students who *do not score* proficient or advanced on the Algebra 1 Keystone Exam by the conclusion of tenth grade, will be required to enroll in Financial Algebra, a Keystone remediation course, their junior year. Students will explore aspects of Algebra 1 in context and will re-take the Keystone Exam both in December and May (*if not passed in December*) of their junior year.
- e) Students who do not pass the Algebra 1 Keystone Exam by the end of 11th grade will be required to complete a Project Based Assessment (assessed by PDE) in Algebra 1; if PDE is not ready to introduce this requirement, seniors will need to pass a local assessment in Algebra 1.
- f) 12th grade students who fail to pass the Algebra 1 Keystone Exam prior to the end of the 11th grade year and/or do not satisfactorily complete a Project Based Assessment (assessed by PDE) in Algebra 1 will NOT graduate. If the PDE is not ready to introduce the Project Based Assessment yet, students who do not successfully complete the Algebra 1 local assessment will NOT graduate.

400	Algebra 1A <i>Prerequisite – Successful completion of 8th Grade CC Math; or student who received a C or below in 8th Grade CC/Pre-Algebra</i> This course is the first half of Algebra 1. The course is designed to introduce the basic elements of algebra: variables, functions, equations, and inequalities. This course extends on what students learned in Pre-Algebra. In addition, basic probability and statistics will be introduced. Students will spend considerable time evaluating, simplifying, and solving various types of equations using the order of operations. Students will evaluate and graph simple and more complex functions by hand, create scatterplots, compare and contrast parallel and perpendicular lines, use tables to examine data closely, and compare and contrast direct and inverse variation. Students are expected to take Algebra 1B the following year to complete one year of algebra over two years. <i>All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.</i>	1 credit	all year
401	Algebra 1B <i>Prerequisite – Successful completion of Algebra 1A; or student who did not pass the Algebra Keystone Exam in 9th grade Algebra 1</i> This course is the second half of Algebra 1. The course focuses on the basic concepts of algebra, extending what the student learned in Algebra 1 A. Additional topics in probability, statistics, and geometry are included. The students will take the Algebra 1 Keystone Exam at the conclusion of this course. Students who do not pass the Algebra 1 Keystone exam will be scheduled to take Financial Algebra the following year. <i>All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.</i>	1 credit	all year
402	Financial Algebra <i>Prerequisite – Successful completion of Algebra 1B, but did not pass the Algebra Keystone Exam</i> This course is focuses Algebra 1 and 2 Topics through Financial Applications, extending what the student learned in Algebra 1 B. Topics include Banking, Credit, Insurance, Taxes, and Budgets. ALEKs will be incorporated into this class. Students are expected to take Sr. Geometry next year. The students will take the Algebra 1 Keystone Exam in December and at the conclusion of this course (<i>if not passed in December</i>). <i>All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.</i>	1 credit	all year
420	Algebra 1 <i>Prerequisite – Students who received a B or better in 8th Grade CC/Pre-Algebra; or student who did not pass the Algebra Keystone Exam in 8th Grade CC/Algebra 1</i> This course is designed to introduce the basic elements of algebra: variables, functions, equations, and inequalities. This course extends on what students learned in Pre-Algebra. In addition, basic probability and statistics will be introduced. Students will spend considerable time evaluating, simplifying, and solving various types of equations using the order of operations. Students will evaluate and graph simple and more complex functions by hand, create scatterplots, compare and contrast parallel and perpendicular lines, use tables to examine data closely, and compare and contrast direct and inverse variation. Students are expected to take Geometry next year. The students will take the Algebra 1 Keystone Exam at the conclusion of this course. Students who do not pass the Algebra 1 Keystone exam will be scheduled to take Algebra 1B the following year. <i>All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.</i>	1 credit	all year
430	Geometry <i>Prerequisite – Successful completion Algebra 1 AND the Algebra 1 Keystone Exam (at 8th grade or 9th grade level); or successful completion Algebra 1B AND the Algebra Keystone Exam</i> This course is designed to introduce the basic elements of geometry: points, lines, planes, segments, and angles. Other topics of study include: theorems and postulates related to parallel and perpendicular lines, triangles and their angle measures and side lengths, properties of congruent triangles, angle bisectors and perpendicular bisectors, properties and classifications of different types of polygons such as quadrilaterals, ratios and proportions and their connection with similar polygons, areas and volumes of	1 credit	all year

polygons, simplification of square roots, right triangle trigonometry, properties involving tangents, secants, and chords of a circle, and central angles, inscribed angles, and inscribed polygons. Students are expected to take Algebra 2 next year. *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*

- 431 Sr. Geometry (12th grade course) 1 credit all year**
Prerequisite – Successful completion of Financial Algebra
 This course is for **seniors only** and is designed to introduce the basic elements of geometry: points, lines, planes, segments, and angles. Other topics of study include: theorems and postulates related to parallel and perpendicular lines, triangles and their angle measures and side lengths, properties of congruent triangles, angle bisectors and perpendicular bisectors, properties and classifications of different types of polygons such as quadrilaterals, ratios and proportions and their connection with similar polygons, areas and volumes of polygons, simplification of square roots, right triangle trigonometry, properties involving tangents, secants, and chords of a circle, and central angles, inscribed angles, and inscribed polygons. *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*
- 434 Geometry Honors 1 credit all year**
Prerequisite – Successful completion 8th Grade CC/Algebra 1 AND the Algebra Keystone Exam; or successful completion of 8th Grade Honors Algebra 2 AND the Algebra Keystone Exam
 This course is designed to introduce the basic elements of geometry: points, lines, planes, segments, and angles. Students will develop the basics of logical thinking necessary for the study of proofs. Other topics of study include: angles formed when two lines are cut by a transversal, theorems and postulates related to parallel and perpendicular lines, triangles and their angle measures and side lengths, properties of congruent triangles, angle bisectors and perpendicular bisectors, properties and classifications of different types of polygons such as quadrilaterals, ratios and proportions and their connection with similar polygons, areas and volumes of polygons, simplification of square roots, right triangle trigonometry, properties involving tangents, secants, and chords of a circle, and central angles, inscribed angles, and inscribed polygons. *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*
- 450 Algebra 2 1 credit all year**
Prerequisite – Successful completion of Geometry
 The course is designed to develop basic and more advanced algebraic tools and the mathematical ability that will help students participate in an ever-changing world. Students develop a firm grasp of the underlying mathematical concepts while using algebra, geometry, and trigonometry as tools for solving problems. Technology will be used to deepen understanding and skills. Consistent problem-solving strategies will be introduced and utilized to assist in developing strong mathematical skills. *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*
- 451 Algebra 2 – Honors 1 credit all year**
Prerequisite – Successful completion of Honors Geometry
 The course is designed to develop basic and more advanced algebraic tools and the mathematical ability that will help students participate in an ever-changing world. Students develop a firm grasp of the underlying mathematical concepts while using algebra, geometry, and trigonometry as tools for solving problems. Technology will be used to deepen understanding and skills. Consistent problem-solving strategies will be introduced and utilized to assist in developing strong mathematical skills. *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*
- 453 Advanced Algebra with Trigonometry 1 credit all year**
Prerequisite – Successful completion of Algebra 2 or higher (Seniors Only)
No student who has completed Honors Pre-calculus with a B or better can take this course as their 4th year of math.
 This course will cover a wide range of mathematical topics that will prepare students for collegiate mathematics. The course is targeted towards students who are in the top 50% of their graduating class and will be required to take a mathematics course in college. Some of the topics that will be studied are the following: Discrete Mathematics (Set Theory, Logic, and Inductive vs. Deductive Reasoning), Number Theory, Changing the Base of Numbers, Financial Management (Annuities, Stocks, Bonds, Automobile and Home Financing, Compound and Simple Interest), Trigonometry (Right Triangle Trigonometry, Unit Circle, Graphing Trigonometric Functions, Inverse Trigonometric Functions, Trigonometric Properties and Identities, Proving Trigonometric Equations), Linear Programming, and Probability (Permutations, Combinations, and Conditional Probability). Advanced Algebra with Trigonometry will illustrate how mathematics can be applied to the daily lives of students in interesting and practical ways. The course will enable students to develop problem-solving skills and foster critical thinking skills. The course will use technology, in particular, the TI-83 graphing calculator. *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*
- 460 Pre-Calculus 1 credit all year**
Prerequisites – Successful completion of Algebra 2
 This course presents a thorough discussion of functions with special emphasis on the trigonometric functions; in addition, it is designed to combine algebra and geometry by using traditional Cartesian methods. Topics included are: graphing linear, rational, polynomial, exponential, logarithmic, and trigonometric functions; exploring real-life applications of linear, rational, polynomial, exponential, logarithmic, and trigonometric functions; solving trigonometric identities (Pythagorean identities). *All students are expected to have their own scientific calculator (TI-83 or TI-84 graphing calculator) for class and homework.*

- 461 Pre-Calculus – Honors** **1 credit** **all year**
Prerequisite - Successful completion of Honors Algebra 2; B or better in Honors Algebra 2 is strongly recommended
 This course presents a thorough discussion of functions with special emphasis on the trigonometric functions; in addition, it is designed to combine algebra and geometry by using traditional Cartesian methods. Topics included are: solving and graphing linear, rational, polynomial, exponential, logarithmic, and trigonometric functions (including inverse trigonometric functions); exploring real-life applications of linear, rational, polynomial, exponential, logarithmic, and trigonometric functions; solving trigonometric identities; deriving parametric equations and exploring their applications; vector operations and applications; partial fraction decomposition; evaluating limits using tables, graphs and properties of limits; finding the first derivative using the difference quotient and the “shortcut.” *All students are expected to have their own scientific calculator (TI–83 or TI–84 graphing calculator) for class and homework.*
- 465 Advanced Placement Statistics** **1 credit** **all year**
Prerequisite – B or better in Algebra 2 is strongly recommended
 This course is the equivalent of a college level statistics class. Topics covered are exploring data, planning a study, probability, and inferential reasoning. Students will be required to use a graphing calculator (can be purchased by student or will be provided by school) and computer. Students will be prepared for successful completion of the AP Statistics exam. Students may also take this course while doubling up with Pre-Calculus, AP Calculus AB, or AP Calculus BC. *All students are expected to have their own scientific calculator (TI–83 or TI–84 graphing calculator) for class and homework.*
- 470 Advanced Placement Calculus AB** **1 credit** **all year**
Prerequisite – Successful completion of Honors Pre-Calculus; B or better in Honors Pre-Calculus is strongly recommended
 This course presents a thorough discussion of the fundamental concepts of differential and integral calculus. These two main topics are connected by the Fundamental Theorem of Calculus. Each topic introduced is connected to previous concepts and are presented in a graphical, numerical and analytic manner. Students are presented with the following topics: elementary functions, limits, differentiation rules and applications, and integration rules and applications. Students will be prepared for successful completion of the AP Calculus AB exam. *All students are expected to have their own scientific calculator (TI–83 or TI–84 graphing calculator) for class and homework.*
- 471 Advanced Placement Calculus BC** **1 credit** **all year**
Prerequisite – Successful completion of AP Calculus AB; B or better in AP Calculus AB is strongly recommended
 This course is designed for accelerated students who have completed AP Calculus AB by the end of their junior year. Students will be prepared for the AP Calculus BC exam. This area of study presents a thorough discussion of all college level Calculus 1 and most Calculus 2 topics. Topics included are: review of AP Calculus AB, with special emphasis on Related Rates; advanced integration techniques (including division of rational expressions, partial fractions, completing the square, rationalizing numerators and denominators, separation of variables, solving for an unknown integral); Integration Applications [volumes (cross sections, disc and shell), lengths of curves, work, fluid force]; Infinite series; Relative rates of Growth; Improper Integrals; Parametric Equations – differentiation, velocity, acceleration, speed, arc length; Vectors in the Plane – modeling planar motion (speed and direction), velocity, acceleration, speed, displacement and distance; Polar to rectangular and rectangular to polar conversions; Polar functions – graphing, slopes, areas, areas between curves. *All students are expected to have their own scientific calculator (TI–83, TI–84, or TI–89 graphing calculator) for class and homework.*

Mandatory math courses can be found on page 17. Students must take three 400 level courses (via PDE). The following courses can be used as the 4th math credit, IF and ONLY if the student has passed the Algebra Keystone Exam (retroactivity is allowed); Otherwise this is an elective credit.

- 491 Python Programming** **½ credit** **1 semester**
Prerequisite – Successful completion of Algebra I or Algebra IB
 This class can be combined with Alice to provide 1 full math elective credit. This class can also fill the prerequisite for Intro to Java and/or Honors Oracle. In this course students are introduced to object-oriented programming control structures, procedures, parameter passing, arrays, and files. Emphasis is placed on modularization and programming style.
- 493 Introduction to Java – Pre AP** **½ credit** **1 semester**
Prerequisite – “B” or better in Computer Programming with Alice or Python Programming or Teacher Recommendation.
 Students enrolled in this course will have an opportunity to design, code, document, and run programs using the Java and processing programming languages. The focus of the course is Java syntax in preparation for the Computer Science AP Exam. The Java API library is used extensively. The course will also focus on problem analysis and the development of algorithms. This course is a building block to the Computer Science III and the AP Computer Science course.
- 495 AP Computer Science A (Programming with Java)** **1 credit** **all year**
Prerequisite – “B” or better in Introduction to Java
 Students enrolled in this course will learn **advanced** concepts in computer science including: Searching, Sorting, Files and File Access, Data Structures. The structure of Java will be studied extensively, including: Object Oriented design, encapsulation, polymorphism, inheritance, and abstraction. This course will prepare students to take the AP Computer Science A exam

- 496 Honors Oracle Academy I – Database Design** ½ credit 1 semester
Prerequisite – Successful completion of Algebra 2 and/or “B” or better in Honors Oracle II; or teacher recommendation
 Students enrolled in the Oracle Academy I will learn how to analyze data requirements and design a vendor-neutral relational database. Using a combination of virtual and face-to-face training, the Oracle Academy Database Design curriculum focuses on higher-order thinking skills necessary to compete in the 21st century workplace. Group collaboration and project management skills are developed as entity relationship diagram models are completed to provide a conceptual representation of an organization’s information. In addition, students will create a career portfolio and explore computer science and other career paths.
- 497 Honors Oracle Academy II – Database Programming** ½ credit 1 semester
Prerequisite – Successful completion of Algebra 2 and/or “B” or better in Intro to Java or Oracle I (Honors Oracle I is NOT a prerequisite for taking this course); or teacher recommendation
 Students enrolled in the Oracle Academy II will use SQL (Structured Query Language) to extract data, and create and modify an online physical database. Topics include: Functions, Joins, Sub queries, Group Functions, Inserts, Updates, and Delete operations. The curriculum is online through the Oracle Academy. Assessments include quizzes, exams, and projects.
- 498 Honors Oracle Academy III – Database Programming Certification** ½ credit 1 semester
Prerequisite – “B” or better in Honors Oracle Academy I and II AND approval by teacher
 Students enrolled in the Oracle Academy III will work independently to create and modify an online physical database using SQL programming. Topics include: Data Control Language, Data Definition Language, Data Manipulation Language, and Transaction Control Language. Students will be required to take the Oracle SQL certification exam, a distinction that provides an additional competitive edge in the college and career market. **This class will be entirely online and work will be done independent of a scheduled class time.**

LANGUAGE

- 511 German I** 1 credit all year
 This course is the first step in learning the German language and culture. Listening and speaking skills are emphasized, but the focus is on communication. Students will learn various methodologies in order to increase their reading, writing and speaking abilities in the target language. German culture will be explored through films, realia, the internet, recordings, role plays, art projects, pictures and dialogues. Emphasis will also be placed on vocabulary and beginning grammar skills.
- 512 German II** 1 credit all year
Prerequisite – German I
 This course builds upon the foundations presented in the previous course. Listening, reading, writing and speaking skills are emphasized. Reading materials will begin to introduce the students to German literature, music and art. Movies dealing with the history and culture of German-speaking countries will begin to introduce students to literature, music and art. Increasing vocabulary and grammar skills will be an important part to this course. The main focus is on proficiency and communication.
- 513 German III** 1 credit all year
Prerequisite – German II
 This class builds upon the foundation presented in the previous two (2) courses (German I and II). The students will be introduced to less controlled listening and speaking situations, and will continue to read and write in a more sophisticated way. Course material will explore German literature, music, art, history and culture. A comprehensive grammar review will also allow the student to refresh their writing and speaking skills at the beginning of the 1st semester. More in-depth vocabulary will be introduced and utilized in this course.
- 514 German IV** 1 credit all year
Prerequisite – German III
 Listening, speaking, reading and writing are emphasized. The reading material will be more sophisticated and an effort will be made to read without translating. The student will be able to write about what has previously been read and discussed. Course material will continue the study of literature, music, art and everyday life. Typical German customs will be demonstrated through skits, articles, and classroom conversations.
- 515 AP – German** 1 credit all year
Prerequisite – German I – IV
 The focus of this course is to expand upon the concepts presented in the first four years (speaking, reading, and writing) with an increased emphasis on cultural objectives. The course will be primarily for those students who plan on studying German beyond the High School level. The use of authentic reading and listening materials will be a hallmark of the course.
- 521 Spanish I** 1 credit all year
 The main purpose of this beginning course in Spanish is to help the student in learning the elementary conversational patterns of the language. Emphasis is placed on listening and speaking skills used in the student’s daily activities. They will also discover the fundamental building blocks to grammar structures found in the Spanish language. Reading and writing will be introduced in addition to cultural information.

522	Spanish II <i>Prerequisite- Spanish I</i> Spanish II is a continuation of Spanish I; previously learned vocabulary and grammar structures will be reviewed and included in the course. The student will be expected to respond orally in the target language to various topics relating to different situations. Students will learn and apply present tense grammar structures as well as complex present tenses and compound sentences. More emphasis will be placed on reading and writing in the target language while listening and speaking will continue to be of prime importance. This class is taught in the target language.	1 credit	all year
523	Spanish III <i>Prerequisite- Spanish II and teacher recommendation suggested</i> Spanish III will build on grammar and vocabulary from levels I and II. Students will be required to master more verb tenses, including past tenses, and to apply all acquired vocabulary and grammar structures to develop meaningful conversation. There will be continued emphasis on listening and speaking in the target language. Equally important will be the student's ability to read and write about thematic topics related to the Hispanic culture. Students will have monthly article assignments to improve reading comprehension and writing techniques. This class is taught in the target language and students will be expected to exclusively use the target language half way through the year with the teacher and peers.	1 credit	all year
524	Spanish IV <i>Prerequisite- Spanish III and teacher recommendation required</i> Spanish IV will build upon the grammar and vocabulary learned and applied in the previous levels. Students will learn and apply more complex grammar structures including the imperative and subjunctive tenses allowing for more self-expression and natural responses. Culture will be a focus with each unit. Also, speaking, reading and writing fluently will receive specific attention through two different monthly assignments. This class is taught exclusively in the target language and students are expected to exclusively use the target language with peers and the teacher the entire year.	1 credit	all year
525	AP- Spanish <i>Prerequisite- Spanish IV and teacher recommendation required</i> AP Spanish will be a culminating year for the language and will encompass all vocabulary and grammar structures beginning with Spanish I. Culture and connections with our society will be the primary focus of the year while advanced grammar structures with compound, complex sentences will receive attention. Authentic literature pieces and listening will ensure cross-cultural connections are made. Also, speaking, reading, and writing abilities will receive specific attention through monthly assignments, journal entries, and independent work. This class is taught exclusively in the target language with no instances of English between the teacher and students or students and students.	1 credit	all year

HEALTH AND PHYSICAL EDUCATION

Each student must complete one-half (½) credit of physical education in grades 10-12. Additionally, one-half (½) credit in Health is required during the freshman year.

605	Health This course is required of all 9 th grade students. It is designed to meet the student's interest and needs, as well as to provide the opportunity for enriched growth and progress in the promotion of adequate health practices. NOTE: The Pennsylvania Department of Education has mandated all students to be educated about AIDS during their high school career. Parents/Guardians have the opportunity to review the course of study in Health prior to the start of the school year.	½ credit	1 semester
611	Physical Education (9,10,11) This course will provide an introduction to the rules and skills needed to perform a variety of physical activities. Through a directed, yet varied curriculum, the physical education department provides for the development and appreciation of a healthy lifestyle while stressing the importance of maintaining healthy living during their adult life. The physical education program emphasizes physical fitness, lifetime, and team activities. The conditioning curriculum includes cardiovascular activities, flexibility exercises, and a muscular endurance program. Students will be keep a notebook, take written tests, and will be evaluated on their skills. All students must complete Physical Fitness Testing.	½ credit	1 semester
612	Physical Education w/LAB (10th and 11th grade) (This PE class meets opposite science lab courses, every other day for a full year.) This course will provide an introduction to the rules and skills needed to perform a variety of physical activities. Through a directed, yet varied curriculum, the physical education department provides for the development and appreciation of a healthy lifestyle while stressing the importance of maintaining healthy living during their adult life. The physical education program emphasizes physical fitness, lifetime, and team activities. The conditioning curriculum includes cardiovascular activities, flexibility exercises, and a muscular endurance program. Students will be keep a notebook, take written tests, and will be evaluated on their skills. All students must complete Physical Fitness Testing.	½ credit	1 semester

NOTE: Three (3) semesters (½ credit each) of co-educational physical education are required of all students in grades 9, 10 and 11.

A Teen Outreach Program, offered through the physical education department, focusing on postponing sexual involvement, myths and misconceptions, the topic of AIDS will be included in this unit regarding contraception, peer pressure, and prevention of pregnancy. Student participation is optional. This program is taught in conjunction with the Washington Hospital and is instructed by Dr. Mary Jo Podgurski, R.N. Students are automatically enrolled unless excluded by a parent/guardian. An exclusion form must be signed and returned to the P.E. Department.

BUSINESS TECHNOLOGY

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|------------|--|-----------------|-------------------|
| 700 | Web Design II
<i>Prerequisite – Web Design I</i>
<i>This course will count as a Fine Arts credit.</i>
This course continues to develop students' web design skills expanding upon the strategies and techniques learned in Web Design I. Students will use Adobe Dreamweaver to develop professional websites and mobile applications in practical, real-world settings. Independent and/or small group projects will be the primary emphasis during website and application development producing full-scale examples that are pleasing to the eye and easy to navigate. | ½ credit | 1 semester |
| 711 | Virtual Business I
<i>This course will count as a Fine Arts credit.</i>
Can you lead a task? Are you creative? Do you like using different forms of technology? Then, Virtual Business is the course for you. You will be given the opportunity to use ALL of your business skills to engage in realistic business simulations. | ½ credit | 1 semester |
| 731 | Accounting I
Mandatory math courses can be found on page 17. Students must take three 400 level courses (via PDE). This course can be used as the 4th math credit, IF and ONLY if the student has passed the Keystone Algebra 1 test (retroactivity is allowed); Otherwise this is an elective credit.
The first year of Accounting is for students who have a variety of career objectives: (1) Beginning vocational preparation for careers in accounting, (2) Accounting knowledge and skill needed for careers in related business fields, (3) A foundation on which to continue studying business and accounting at the collegiate level. Learning progresses from the simple to the complex. The accounting procedures are described, drilled and practiced, then reinforced. The studies include how to start an accounting system, analyzing debit and credit transactions, journalizing and posting business transactions, and completing end-of-fiscal-period work. The student will work with up-to-date computers and accounting software which is used in local colleges and businesses. | 1 credit | all year |
| 732 | Accounting II
<i>Prerequisite – Accounting I (731)</i>
Mandatory math courses can be found on page 17. Students must take three 400 level courses (via PDE). This course can be used as the 4th math credit, IF and ONLY if the student has passed the Keystone Algebra 1 test (retroactivity is allowed); Otherwise this is an elective credit.
This course will further enhance your Accounting knowledge and help prepare you for the collegiate level. Emphasis will be placed on Corporate Accounting. This course is a must for all students planning to enter the business profession. Extensive work will be done with up-to-date computers and accounting software which are used in local colleges and businesses. | ½ credit | 1 semester |
| 733 | Accounting III
<i>Prerequisite – Accounting I & Accounting II (731 & 732)</i>
Mandatory math courses can be found on page 17. Students must take three 400 level courses (via PDE). This course can be used as the 4th math credit, IF and ONLY if the student has passed the Keystone Algebra 1 test (retroactivity is allowed); Otherwise this is an elective credit.
This course will further enhance your computer knowledge of Accounting and help prepare you for the collegiate level. Emphasis will be placed on utilizing Excel, Quick-books Pro, and Peachtree Accounting. This course is a must for all students planning to enter the business profession. | ½ credit | 1 semester |
| 741 | Web Design I
<i>This course will count as a Fine Arts credit.</i>
This course introduces students to basic web design using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). HTML and CSS are the standard languages that all pages on the Web are written and styled. This course does not require any prior knowledge of web design. The students will plan and design effective web pages using HTML and CSS coding, utilizing page layout techniques, text formatting, and graphics. This course will provide students with the basic skills to create web pages suitable for course work, professional purposes, and personal use. | ½ credit | 1 semester |
| 742 | Advanced Computer Applications
This course is designed for any student who wants to become advanced in the Microsoft Office Suite. Emphasis will be placed on Word, PowerPoint, and Excel to foster success at the high school and collegiate level. Following completion of this course, students will be prepared to take the MOUS (Microsoft Office User Specialist) certification. | ½ credit | 1 semester |

743	Study Skills	½ credit	1 semester
	Who doesn't need to brush up on study skills and test taking strategies? This project based course will improve students reading, writing, listening, and test taking skills. Students will also complete a career cruising activity where they explore sample career paths and collect information they need to help them define their goals and shape their future.		
744	Computers and Marketing as Life Skills (<i>recommended students</i>)	1 credit	all year
	Semester One: Students will become familiar with the computer and various programs. The students will utilize the learned computer skills in a variety of ways such as, presentations and spreadsheets.		
	Semester Two: Students will explore the world of Marketing, through utilizing the computer skills and programs from semester one. Students will create product(s) and learn how to effectively market them to consumers.		
746	Virtual Business II	½ credit	1 semester
	<i>Prerequisite – Virtual Business I</i>		
	<i>This course will count as a Fine Arts credit.</i>		
	Did you enjoy presenting to local businesses?? Would you like to work with more?? Then Virtual Business II is the course for you. You will be given the opportunity to use even more of your business and computer skills to engage in more realistic business simulations.		
747	Sports & Entertainment Marketing	½ credit	1 semester
	This course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events. This course will cover sports and entertainment marketing, marketing-information management, promoting sports and entertainment, the economics of supply and demand, sport and entertainment legal issues and entrepreneurship. During this course students will participate in activities that will give them realistic hands on experience.		
748	Personal Finance (formerly Business Applications)	1 credit	all year
	<i>Mandatory math courses can be found on page 17. Students must take three 400 level courses (via PDE).</i>		
	<i>This course can be used as the 4th math credit, IF and ONLY if the student has passed the Keystone Algebra 1 test (retroactivity is allowed); Otherwise this is an elective credit.</i> This course deals with the practical application of business and financial skills used in the real world. The students will be equipped with the knowledge to make informed personal finance decisions. Topics that will be studied are: payroll, banking, credit, interest, investing, and ownership.		
750	GameMaker Programming I	½ credit	1 semester
	<i>This course will count as a Fine Arts credit.</i>		
	Learn the concepts taught in a college-level "Programming 101" course, but all of the projects are games! Students will receive an introduction to basic programming by building two dimensional (2D) games using the GameMaker software. Students will design their games based on the GameMaker scripting language that can be transferred to any other programming language such as Python, Java and C++. The game design process of planning, designing, implementing, testing, and maintaining will be utilized as students create and program games that can be played with friends and added to their digital portfolio.		
751	GameMaker Programming II	½ credit	1 semester
	<i>Prerequisite - GameMaker Programming I</i>		
	<i>This course will count as a Fine Arts credit.</i>		
	This course is designed to be a continuation of GameMaker Programming I. Students will apply the 21 st century skills and techniques that they learned in GameMaker Programming I to develop more interactive and engaging digital games that will expand their digital portfolio. Problem solving skills will be developed and applied to debug programming errors. Students will also explore the game programming career field and other potential careers in computer science (CS).		
752	AP Computer Science Principles	1 credit	all year
	<i>This course will count as a Fine Arts credit.</i>		
	AP Computer Science Principles is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. This exploratory course covers a broad range of foundational topics such as programming, big data, digital privacy and security, and the societal impact of computing. This course requires a significant amount of expository (descriptive) writing in preparation for the AP Computer Science Principles performance tasks and AP Exam.		
790	Computer Programming with Alice	½ credit	1 semester
	<i>This course will count as a Fine Arts credit.</i>		
	This course prepares students to create movies and games using the Scratch graphics programming environment from MIT, the Alice 3D interactive graphics programming environment from Carnegie Mellon University, and the App Inventor Android Development environment from MIT. Introductory Computer Science topics will also include history of computing and		

computers, flowcharts, stepwise refinement, base number systems (binary, octal and hexadecimal), algorithms, abstraction, object development, methods, event handling, parameters, functions, conditional logic, loops, and random numbers.

794 **Java Graphics** ½ credit 1 semester

Prerequisite – “B” or better in Introduction to Java

Mandatory math courses can be found on page 17. Students must take three 400 level courses (via PDE).

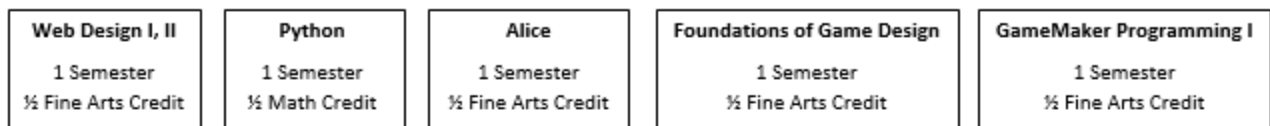
This course can be used as the 4th math credit, IF and ONLY if the student has passed the Keystone Algebra 1 test (retroactivity is allowed); Otherwise this is an elective credit.

This course is designed for students who have successfully completed Intro to Java. Students who enjoyed Intro to Java or students who plan to take AP computer science should take this course. Graphics in the form of GUIs (Graphical User Interfaces), buttons, radio buttons, and Processing will be studied.

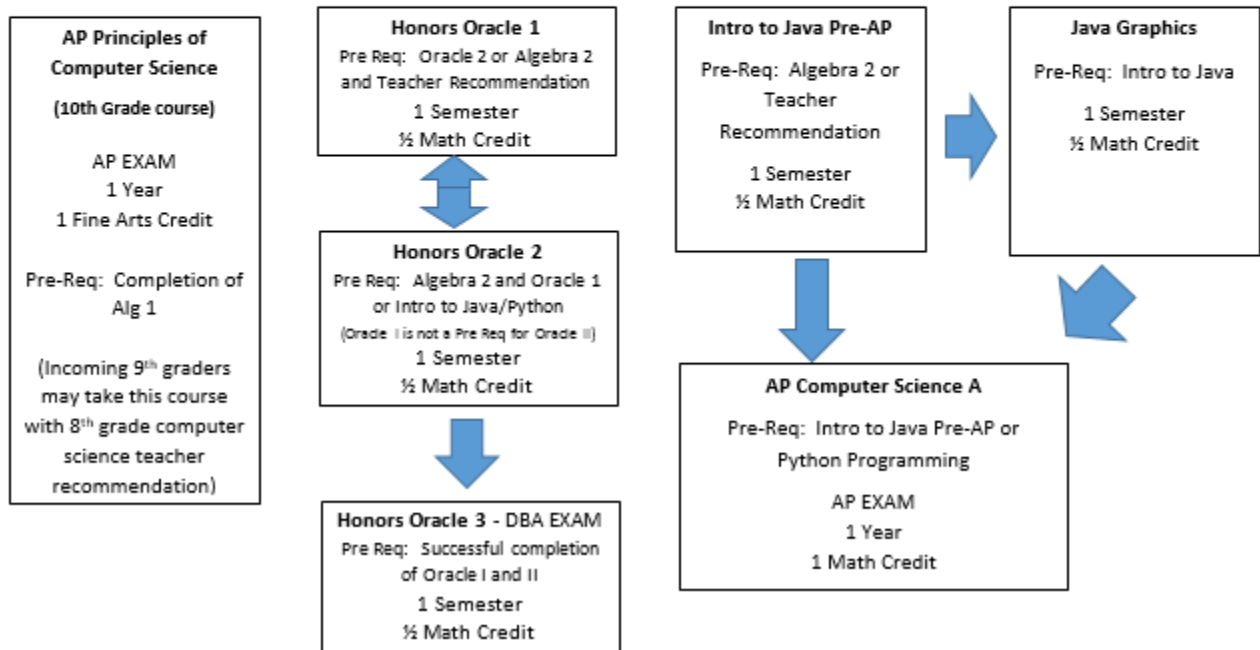
Computer Programming Classes (Chart) Below:

Computer Programming Classes

Incoming 9th grade students may take:



10th, 11th, 12th grade students may take:



INDUSTRIAL TECHNOLOGY

801 **Introduction to Technology (9–12)** ½ credit 1 semester

This course will take students through basic courses in Woodworking, Metalworking, Drafting, TV Production, Robotics and Graphics. Students will use a variety of hand tools, power tools and computerized equipment in order to complete a wide range of individual and small group projects. These exploratory units will act as the prerequisites for future Industrial Technology Education courses (*Counts as a Fine Arts or Elective Credit*).

802 **Woodworking (10–12)** ½ credit 1 semester

In this course the student will be introduced to some of the basic principles in the construction, woodworking and cabinetry fields today. Students will be exposed to the following areas of construction: wood materials, shop safety, hand tools, layout and

measuring tools, furniture construction, abrasives, fasteners, computerized router programming, laser engraving, joinery techniques, gluing of stock and staining & finishing techniques. *(Counts as a Fine Arts or Elective Credit).*

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| 803 | Advanced Woodworking (11–12) | 1 credit | all year |
| | This course is designed to develop a more extensive background in construction, woodworking and cabinetry. The following areas will be covered in this course: The engineering design process, shop layout and design, wood materials, shop safety, various hand tools, layout and measuring tools, furniture construction, abrasives, fasteners, computerized router programming, laser engraving, joinery techniques, gluing of stock, staining & finishing techniques. | | |
| 822 | Metalworking (10–12) | ½ credit | 1 semester |
| | Students will be introduced to a variety of welding, forging, engraving and fabrication equipment. Manual equipment and computerized applications will be utilized in the production of assigned projects. Students will learn to follow drawings and procedures to stay within designed tolerances. <i>(Counts as a Fine Arts or Elective Credit).</i> | | |
| 823 | Advanced Metalworking (11–12) | 1 credit | all year |
| | Students will be introduced to a variety of machine shop, foundry and fabrication equipment. Manual equipment and computerized applications will be utilized in the production of assigned projects. Students will learn to follow drawings and to stay within designated tolerances. | | |
| 832 | Communications Technology (10–12) | ½ credit | 1 semester |
| | In this course the student will be introduced to Drafting and Graphics Concepts. For the drafting portion of the technology class, the student will learn basic techniques that are used by architects and engineers today. The students will use 2-Dimensional and 3-Dimensional modeling software. For the graphics portion of the class, the student will be exposed to graphics as it relates in the real-world and show an interest in a possible career in graphics communications. Students will learn the basic graphic concepts by using such software and platforms such as; desktop publishing, picture-editing software, and scanning and modifying images. <i>(Counts as a Fine Arts or Elective Credit).</i> | | |
| 833 | Advanced Drafting (11–12) Prerequisite Communication Technology | 1 credit | all year |
| | This course is designed to develop a more extensive background in computer-aided design, Architectural Design , and 3D Modeling . The areas to be covered in this course include: architectural layout and design, architectural drafting, and 3–dimensional assembly and stress test. The student will be doing more in-depth work in computer-aided drafting using AutoCAD 2010, Inventor 2010 and Autodesk Architectural 2010 software. | | |
| 846 | Advanced Graphics (11–12) | 1 credit | all year |
| | Students in this course will develop a more extensive background in the graphics field. Students will use the following software and platforms: Desktop Publishing, Photoshop, and scanning and modifying images. Because this is an advanced course, emphasis will be placed on mastering graphic concepts and project quality. | | |
| 847 | Independent Drafting (11–12) | ½ credit | 1 semester |
| | This course is especially designed for the industrial technology student desiring a personal or professional advancement and training in the fields of Architecture, Pre-Engineering or Drafting . The student must display an extreme interest and/or have college or professional potential. With the guidance of an instructor, the student will receive an individualized program to meet his/her maximum ability, potential, and goals. Students are to make arrangements with the instructor prior to scheduling. <i>(Counts as a Fine Arts or Elective Credit).</i> | | |
| 848 | Television Broad-casting (11–12) | ½ credit | 1 semester |
| | Prerequisite – TV Production
This course is intended to allow students to use modern digital video production equipment and techniques to broadcast the morning news show announcements. Students will learn to use graphic generators, audio mixing equipment, video mixers, lighting boards, tele-prompters, and digital recording equipment. This course will be scheduled during 1 st period, and can only be taken for credit once. <i>(Counts as a Fine Arts or Elective Credit).</i> | | |
| 850 | Robotics (11–12) | ½ credit | 1 semester |
| | The course will be a hands-on instructional class that includes electronics, programming and engineering of robotics. Mindstorm Platform will be used to perform a series of challenges using the robot. Open to 11 th and 12 th grade students with ambitions of an engineering career will benefit from this course. | | |
| 851 | Advanced Robotic (11-12) | 1 credit | all year |
| | This course is an extension of the ½ credit Robotics course. In the Advance Robotics course, students will continue learning autonomous behavior and will also delve into the internal mechanical components that make up different robots. In this class, students will use the engineering design process to design and fabricate a working robot to complete a specific task. Students entering this class will be working in both a lecture and lab environment. | | |
| 980 | Television Production (10–12) | ½ credit | 1 semester |
| | Students will learn proper video techniques and operations of modern digital production equipment. Individual productions as well as group projects will be undertaken by each student. This class is required if individuals wish to participate in the morning news presentation <i>(Counts as a Fine Arts or Elective Credit).</i> | | |

FAMILY and CONSUMER SCIENCES

Learn Today – Use Tomorrow – Apply for a Lifetime

Family and Consumer Sciences (FCS) is where students learn how to share responsibilities inside and outside of the home. As they become aware of the individuals, families, and communities that are part of their lives, students learn to embrace diversity. Students are also encouraged to strengthen their intellectual development.

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| 852 | Child Development I (9–12)
This course will prepare the student for the care of a child from infancy to age three (3). Students will study the physical, intellectual, and emotional development of children. Students will also participate in a variety of hands on projects. Students will also participate in a preschool program. | ½ credit | 1 semester |
| 853 | Child Development II (9–12)
<i>Prerequisite – Child Development I</i>
This course will prepare student for the care of 3 to 5 years of age including the physical, intellectual, and emotional development of children. Students will take an advance role in the preschool program by preparing advanced lessons to teach the preschool children. | ½ credit | 1 semester |
| 854 | My First Place (9–12)
Making sound choices for your life is more critical now than ever! This course will help you in goal setting, creating a budget, credit, acting as a financial planner, and being able to recognize the importance of saving often and early. During this course you will also help you with making housing choices, car choices, and insurance decisions along with many other valuable life skills such as designing your new space and being able to decorate it to mending and fixing some of your clothing as well as creating décor for your first place! Being able to make your dreams come true takes knowledge and hard work, but it's possible for each and every student to achieve their goals when you know how to put your dreams into action. | ½ credit | 1 semester |
| 855 | Independent Child Development
Prerequisite- Child Development I and II (10-12 only)
This course is especially designed for the child development student desiring a personal or professional advancement in the care and education of children. The student must display extreme interest and/or have child development career potential. With the guidance of the directing child development teacher the student will receive an individualized program to meet his/her needs and abilities. | ½ credit | 1 semester |
| 857 | Eat This Not That (9–12)
Do you like to eat out or at fast food restaurants? Do you have a family history of heart problems? Would you like to learn how to adapt recipes and make them healthier and still taste good? This is the course for you! Students will research obesity and the effects of the body. Discussions on how to decrease calorie intake and increase nutrient intake will be highlighted in this course. How to eat healthy when eating on the run and/or at restaurants will be investigated. In addition various recipes will be prepared to apply the knowledge of how to adapt recipes so they are healthier but still taste good. These recipes will include foods from fast food restaurants. | ½ credit | 1 semester |
| 858 | Wellness, Food and fitness (9–12)
This is a course for students interested in sports, food, and fitness. The course would be based on the theory of formula that “sounds nutrition plus fitness, equals wellness”. The nature of the course would be investigative, hands-on, and physical as will encourage critical thinking. Some areas to be investigated would include current dietary trends (vegetarianism, etc.) personal dietary habits, food myths, various fitness and diet plans, and ergogenic aids (e.g. protein supplements, etc.). Students will prepare foods included in a healthful diet plan. | ½ credit | 1 semester |

AGRICULTURAL MECHANIZATION – AGRICULTURAL EDUCATION

NOTE: *FFA Membership is required for all courses.*

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| 888 | Introduction to Agriculture Production & Mechanics
This course has been designed to provide students with a developing interest in agriculture with an overview of the agriculture industry. Individuals taking this class will receive training in the following areas: Agriculture Power and Energy System, Agriculture Tool and Equipment Training, Fabricating and Engineering, Small Engine Systems, Agriculture Structures, Fluid Systems, Environmental Resources and Safety. Within the animal production areas, students will study principles of raising livestock and will be involved in raising specific livestock enterprises. Students will spend approximately 50% of their time in other laboratory activities. While studying plant production, students will learn to identify and produce | 1 credit | all year |
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commonly grown agricultural crops. Shop activities will allow students to learn basic carpentry, which includes the use of both hand and power tools. Students will also be introduced to sheet metal work, electric and gas welding. Other lab areas will include food science, where various food products will be produced.

889 Agriculture Construction 1 credit all year

Pre-requisite Introduction to Agriculture Production & Mechanics or Intro to Agricultural Science only for 10-12

The goal of this course is to give students a working knowledge of building construction, electrical wiring, basic plumbing, and masonry skills. The class will participate in the planning and building and storage shed or other construction projects. This project will give students hands on experiences with identification and ordering of construction materials, safe and proper construction tool use, rafter and wall layout, exterior finish work, site preparation, surveying, and team work. Each student will explore varied agriculture career options in all units. Students can relate to their individual interest, aptitudes and skills.

890 Agriculture Mechanics 1 credit all year

Pre-requisite Intro to Agriculture Production & Mechanics or Intro to Agricultural Science only for 10-12

Students will refine their skills in woodworking and metalworking techniques. A variety designing, engineering, fabricating opportunities will be used with manual and computerized applications. Material cutting, joining, repair and finishing techniques will be demonstrated. Students will learn to follow drawings and procedures to stay within designed tolerances. Safety with industrial and agricultural equipment will be discussed. Individualized instruction will be utilized with opportunities individual design applications with approval from the instructors.

GENERAL - AGRICULTURAL EDUCATION

NOTE: *FFA Membership is required for all courses.*

881 Introduction to Agricultural Science 1 credit all year

This course will include an introductory study of all the areas of Agricultural Science. It will be an exploratory course designed to give interested students a broad outlook at the Agricultural Sciences - including Animal Science, Plant Science, greenhouse skills, natural resources, food and fiber, FFA, food production, floral design, agricultural technology, agricultural business, agricultural science careers, and leadership development.

882 Animal Science 1 credit all year

(1/2 year Small Animal Science): Small animal science will explore the scientific principles of daily care involved in small animal production. These studies will include small animal care, safety, small animals as pets, animal rights and welfare, and careers in small animal care. Small animals discussed include, but are not limited to, rabbits, hamsters, cats, dogs, and birds.

(1/2 year Large Animal Science): Large animal science will explore the principles of large animal research and development. These studies will include the beef, sheep, goat, horse, dairy, and swine industries. Students will study reproduction, care and feeding, and basic veterinary science for each of the industries listed. This class would be especially beneficial to students who are exploring careers in veterinary care or who wish to learn more about the small and large animal industry.

883 Horticulture (Plant Science) 1 credit all year

Horticulture Science will explore the scientific principals involved in the production of horticultural plants including plant identification, environmental factors, plant health, plant growing, and plant services. Students will be involved in growing bedding plants and vegetable plants (Greenhouse production) during the second semester of the course.

884 Agricultural Marketing 1 credit all year

Agricultural Marketing will cover the business side of the Agricultural industry. Students will learn about agricultural commodities, and basic accounting methods needed in the agricultural world. They will learn to keep a checking account, savings account and a basic investment portfolio as well as complete a basic tax return. Students will also learn the different marketing techniques used in the many agricultural commodities.

885 Floral Design 1 credit all year

Pre-requisite - Intro to Agriculture. Concentration will be given to creating floral centerpieces, wreaths, corsages, and bouquets. The basics of floral composition, container choice, and construction techniques will be covered. Students will learn color and flower selection for banquet events and personal enjoyment and will work with silk, dried, and fresh plant material.

886 Agricultural Leadership & Communications 1 credit all year

Pre-requisite - Intro to Agriculture. Open to 11th and 12th grade only. This course is the secondary study of all the areas of Agri-Science. It is designed to give students a more in depth study of animals and plant science as well as agricultural business. Students will be involved in research projects which will explore current trends in agricultural industry. These studies may include but are not limited to: dairy food quality testing, alternative fuels, organic farming, and non-traditional farming practices. This course will incorporate the activities of the FFA program. Students will learn basic record keeping by completing an FFA record book using MS EXCEL. Students will learn communication skills and Robert's Rules of Order by using the FFA speech format and parliamentary procedure event. Each student will write a conversation speech, prepared speech and extemporaneous speech to present in class.

This class will benefit any student looking to further their education in agriculture after high school. We will be completing lab reports and documents that will assist in college level courses.

- 887 Supervised Agricultural Experience (SAE) 1 credit all year**
Pre-requisite - Intro to Agriculture. This course is an Independent Study Course.
An SAE can be raising an animal, working or volunteering in the agricultural industry, or working on the family farm. An example of an SAE would be a student volunteering two days a week at the Washington County Humane Society. SAE programs consist of planned practical activities conducted outside of class time, in which students develop and apply agricultural knowledge and skills. The purpose of the SAE course is to ensure that students are continually working on their projects with FFA.

The SAE program is a hands-on, real life agricultural career preparation experience tying together Agricultural Science curriculum, student aptitudes and interests, student career and educational goals, and the agricultural industry. SAE students will meet with the Agriculture Teacher during homeroom and activity periods as well as during home project visits. **Students are to make arrangements with instructor prior to scheduling class to propose project.**

HORTICULTURE – AGRICULTURAL EDUCATION

NOTE: *FFA Membership is required for all courses.*

- 880 Introduction to Horticulture 1 credit all year**
This course is designed for beginning students in horticulture. Students will start and care for plants in the school greenhouses. Students will be encouraged to experiment with various growing techniques. Students will also prepare flowers and plants for markets; students will practice selling and marketing these products in the floral shop and greenhouse. Students will gain experience raising and marketing hydroponic crops. Computer assisted drawing of landscapes will be introduced. During the fall and spring, they will spend some time studying shrubs, trees, flowers, lawns, and vegetable plants in the outdoor areas around the school. Leadership skills are presented and experienced by the students and students must maintain a Supervised Agriculture Experience (SAE) record book. This course is to provide students with basic skills needed in horticulture.

FINE ARTS

ART

- 900 Art Survey ½ credit 1 semester**
Get a taste of what Trinity Art Department has to offer in this overview course. You will try your hand in drawing, painting, printmaking, sculpture, ceramics, design and photography in an art studio environment along with a bit of art history. Bring your ideas and a pencil to this survey experience.
- 901 Design 1 ½ credit 1 semester**
Learn to see the elements and principles of design as building blocks in this hands-on studio class. You become the designer preparing the product for sale and the artist stating an opinion in a visual manner as we utilize the medium of Photoshop, 3-D materials and other visual means of expression. Field trip for image gathering is offered during the course.
- 902 Ceramics I ½ credit 1 semester**
This course provides an introduction to the medium of clay and the basics of working in a ceramics studio. Have fun learning beginning potter's wheel techniques as well as hand building techniques in coil, pinch, slab, and sculpting. Glazing and decorating will also be taught. At the end of this course the student will feel comfortable working and creating in a ceramics studio.
- 903 Sculpture ½ credit 1 semester**
This course will focus on the three-dimensional elements, space and form in art. Sculptural concepts, principles, materials, styles and techniques will be emphasized. Structural design for production will include areas of paper, plaster, clay, wire, wood and mixed media.
- 904 Printmaking ½ credit 1 semester**
T-shirts are just the beginning of the world of print. Experiment with linoleum, dry point engraving and the ever popular silk-screen print while exploring the history and style of the big names of printmaking that have come before us. Try your hand at papermaking and paper dye to enhance your prints and impress your friends. Who knows? You might just be the next Andy

Warhol.

- 905 Photography I** $\frac{1}{2}$ credit **1 semester**
This course is a survey of photographic tools, techniques, and origins. Students will be instructed in film processing and enlarging, use of cameras, design of visual images, appreciation of historical photographs and consumer information in photography.
- 906 Painting I** $\frac{1}{2}$ credit **1 semester**
This course will explore painting tools, materials, techniques, styles and historical works. Production work will consist of procedures in watercolor, acrylics, oil and mixed media. Students will be instructed in various subject areas including landscape, still-life, portraits, figures and photographic painting.
- 907 Drawing I** $\frac{1}{2}$ credit **1 semester**
This course is a survey of drawing tools, materials, techniques, styles and historical works. Procedures work will consist of both wet and dry drawing media (pencil, pen and ink, charcoal, chalk, watercolor, marker, pastels, and mixed media). Subject for drawing will vary as in painting.
- 909 Ceramics II** $\frac{1}{2}$ credit **1 semester**
Prerequisite – Successful completion of Ceramics I
Moving past the basics, students develop advanced wheel skills and create more complex hand-building projects. Students will be encouraged to find their own style and artistic approach to projects. Advanced decorating and glazing materials will be introduced, and the heritage of ceramics will be explored.
- 910 Photography II** $\frac{1}{2}$ credit **1 semester**
Prerequisite – Successful completion of Photography I
This course will consist of in-depth inquiry of photographic applications, with an emphasis on production. It is to develop the student's ability to use the camera and photographic materials as tools for visual communication while studying how artists have done this in the past. It will also incorporate experiences in color and alternative black and white procedures.
- 912 Ceramics III** **1 credit** **all year**
Prerequisite – Open to seniors only, successful completion of Ceramics II, written instructor's approval.
Ceramics three is a special opportunity for the student who is highly interested in clay. Students will have the opportunity to work independently to produce projects using techniques that they like best. Emphasis is placed on exploring the possibilities of the medium to develop and individual artistic style. Projects, group critiques, and self-reflection all contribute to this goal. Investigations of today's important ceramic artists and trends will enhance this course.
- 913 Photography III** **1 credit** **all year**
Prerequisite – Open to seniors only, successful completion of Photo II, written instructor's approval
Photography Three is an in-depth exploration of photographic tools and processes for those senior students who have successfully completed Photography Two and have the recommendation of their instructor. Students will be expected to work independently to expand their skills in camera and darkroom work, investigate new and alternative techniques, and research stylistic trends in the art form throughout history. Students will work toward compiling a portfolio of their work appropriate for application for college study in photography.
- 914 Painting II** $\frac{1}{2}$ credit **1 semester**
Prerequisite – Successful completion Painting I
This course is designed as an extension of the Painting I course. Students will explore individually and expressively painting materials, techniques and procedures in the areas of watercolor, acrylic, oil and mixed media. Student will continue the study of painting from a historical, aesthetic and critical development level for their own production works. Subject will vary with each student's interest.
- 915 Drawing II** $\frac{1}{2}$ credit **1 semester**
Prerequisite – Successful completion of Drawing I
This course is designed as an extension of Drawing I course. Students will explore individually and expressively drawing materials, techniques and procedures in the areas of both wet and dry media (pencil, pen and ink, charcoal, chalk, watercolor, marker, pastels, and mixed media.) Students will continue the study of drawing from a historical, aesthetic and critical development level for their own production works. Subject will vary with each student's interest.
- 916 Design II** $\frac{1}{2}$ credit **1 semester**
Prerequisite – Design I
This one semester course is a continuation in the acquisition of design and computer skills. Higher level PHOTOSHOP lessons are mastered and design skills sharpened, making students more attractive to art and design colleges. Composition continues to be a focus in lessons geared to the recognition of design as a language.
- 917 Advanced Placement Art History (11–12)** **1 credit** **all year**
Advanced Placement Art History offers an in-depth journey through the ages from the point of view of the creative. How does

the art produced reflect the culture? What did the kings commission? What do the people want now and why? See the progression of history through a different lens and enjoy the presentation along the way. Field trips to art museums are offered during the course as well as other learning-enhancement opportunities.

- 918** **General Art History** **½ credit** **1 semester**
Based on the text **Art Past, Art Present**, students follow visual expression through the course of history, across time and geography to understand it as a reflection of its people and culture. Architecture, paintings, prints and sculpture from around the world are included to make for a well-rounded experience. Instruction is geared towards those students interested in a semester of art history.

FINE ARTS

MUSIC

- 920** **Symphony Band** **1 credit** **all year**
This performance ensemble, which is an elective for the student in grades 9–12 who play a wind or percussion instrument, is designed to improve and develop techniques, mechanics, and music fundamentals so that the student further develops as an instrumental musician at a high standard. The student will be required to attend after school and out-of-school rehearsals and performances. Students will be assigned to a specific section of this course as designated by the director.
- 921** **Symphony Band/Marching Band Honors** **1 credit** **all year**
This performance ensemble, which is an elective for the student in grades 9–12 who play a wind or percussion instrument, is designed to improve and develop techniques, mechanics, and music fundamentals so that the student further develops as an instrumental musician at a high standard. The student will participate in both the concert and marching band setting and will be required to attend after school and out-of-school rehearsals and performances. Students will be assigned to a specific section of this course as designated by the director. This course can be taken once for honors-level credit.
- 922** **Wind Ensemble/Marching Band** **1 credit** **all year**
This performance ensemble, which is both elective and selective for the student in grades 9–12 who play a wind or percussion instrument, is designed to develop the highest musical standards and a sense of musicianship with breadth, depth, and permanence. The student must audition, or be selected, by the director before enrolling in this course. The student will participate in both the concert and marching band setting and will be required to attend after school and out-of-school rehearsals and performances. Students will be assigned to specific sections of this course as prescribed by the director. Select students, as designated by the director, will be expected to perform in the pit orchestra or other school-related small ensembles.
- 923** **Wind Ensemble/Marching Band Honors** **1 credit** **all year**
This performance ensemble, which is both elective and selective for the student in grades 9–12 who play a wind or percussion instrument, is designed to develop the highest musical standards and a sense of musicianship with breadth, depth, and permanence. The student must audition, or be selected, by the director before enrolling in this course. The student will participate in both the concert and marching band setting and will be required to attend after school and out-of-school rehearsals and performances. Students will be assigned to specific sections of this course as prescribed by the director. Select students, as designated by the director, will be expected to perform in the pit orchestra or other school-related small ensembles. This course can be taken once for honors-level credit.
- 924** **Music Technology** **½ credit** **1 semester**
This course, which is an elective for all students in grades 9–12, is designed for student with an interest in the music industry, current technologies, and electronic performance. The course begins by introducing the students to the basic elements of music and the Mac OS–X computer platform. The course then acquaints the student with basic fundamentals of keyboard performance and music theory. The remainder of the course is spent with Garage-Band and Sibelius to construct projects that engage the student creatively. Projects include, but are not limited to, simple music tracks, podcasts, movie soundtracks, and full length songs. Music arranging and composition are also explored throughout the semester. Space is limited. There are no prerequisites for Music Technology. Computers in the Trinity High School Performing Arts music lab are outfitted by Apple, Inc.
- 925** **Survey of Popular Music** **½ credit** **1 semester**
This course, open to all students in grades 9–12, is an historical and stylistic examination of a variety of music reflecting pop culture. Such forms as folk, rock and popular songs and dances, jazz and concert music will be considered.
- 927** **String Orchestra** **1 credit** **all year**
This course, which is both elective and selective for students in grades 9–12, is designed to expose the student to orchestral literature of western civilization. The orchestra performs to the highest musical standards and musicianship is developed in

- phrasing, rhythm, intonation and ensemble skills. The orchestra performs at the discretion of the director and the student will be required to attend after school rehearsals and/or concert performances. Students must enroll in the class in order to participate in concerts.
- 928 Guitar** $\frac{1}{2}$ credit **1 semester**
This course, open to all students in grades 9–12, is for the beginning guitar student. The course will establish fundamental playing technique, reading skills in treble clef and nomenclature, tablature and basic music theory. The student will learn to tune the guitar accurately and accompany with facility on the guitar using various strumming techniques and patterns. Previous musical experience is **NOT** required. Instruments will be provided.
- 929 Piano** $\frac{1}{2}$ credit **1 semester**
This course is designed to teach the beginner the concepts and fundamentals needed to perform on the piano. It will increase musical understanding beyond reading notes by teaching students a vocabulary of chords and keys, accompaniment patterns, and improvisational techniques. Students will play melodies in several positions and have the opportunity to participate in ensemble playing. Students will develop sustainable practice habits and techniques. Students will have the opportunity to explore music technology, and its applications to composition and arrangement.
- 930 Introduction to Music Theory and Technology- College Credit** $\frac{1}{2}$ credit **1 semester**
This course is open to students in grades 11-12. The course studies the elements of music and how music is composed. Students will learn pitch, rhythm, chord and interval structure, major and minor keys, modes and meters. Students will learn how to read music notation in treble and bass clef, key signatures and how to analyze chords in root position and inversions. This course will also incorporate the use of technology through iMacs and/or MacBooks using software titles including, but not limited to GarageBand, Sibelius, Finale, Aurelia, Musition 4, MS Word, and iMovie. The class concludes with a written final and arranging/composition project that is completed using the music notation software as well as other forms of music technology. Dual enrollment will be with Waynesburg University.
- 940 Auxiliary Skills Training** $\frac{1}{2}$ credit **1 semester**
This course, which is an elective for the students in grades 9-12 is designed to teach and fortify marching techniques and equipment handling in order that the student develops the ability to perform with the high school marching band. The student must audition for the Color Guard and be selected in order to take this course. Acceptance is based on the ability and potential to learn basic equipment handling and marching techniques. The student will participate in the marching band and will be required to attend after school rehearsals and out-of-school performances.
- 951 Concert Choir** $\frac{1}{2}$ credit **1 semester**
This course is open to students in grades 9–12. Students will progress through a curriculum that includes basics of proper vocal technique, tone production, sight-singing, and music literacy while preparing music of a wide variety of styles for performances. Attendance is required at evening concerts, as well as dress rehearsals each semester. There are also a number of additional performance opportunities in the community and the region.
- 952 Concert Choir** **1 credit** **all year**
This course is open to students in grades 9–12. Students will progress through a curriculum that includes basics of proper vocal technique, tone production, sight-singing, and music literacy while preparing music of a wide variety of styles for performances. Attendance is required at evening concerts, as well as dress rehearsals each semester. There are also a number of additional performance opportunities in the community and the region.
- 953 Chamber Choir Honors** **1 credit** **all year**
Prerequisite – Choral director recommendation
This course, for the students in grades 10–12, is a select ensemble of mixed voices. The class is designed to develop and refine advanced vocal and musical skills. Students perform advanced vocal repertoire of a variety of styles. Attendance is required at evening concerts, as well as dress rehearsals. There are also a number of additional performance opportunities in the community and the region.
- 955 Applied Private Music** $\frac{1}{2}$ credit **1 semester**
Open to 11th and 12th grade students with instructor approval. Private Applied Music is designed for the music student desiring personal and professional advancement and training on a musical instrument. The student must display an extreme interest and/or have college or professional music school career potential. With the guidance of a directing teacher, the student will be assigned one forty-minute practice period each day, take sixteen (16) thirty-minute private music lessons during the semester from an approved instructor, prepare a solo work appropriate to the student’s instrument, prepare a written paper on the selected solo, its style, or composer and perform for a jury of the high school music faculty.
- 956 AP Music Theory** **1 credit** **all year**
Advanced Placement Music Theory, for the students in grades 11–12, is designed to develop the student’s ability to recognize, understand, and describe the basic materials and processes of music that is heard or presented in a score. The course will further instill mastery of the basic elements of music, including intervals, scales, chords, rhythmic patterns, and the terms used to describe these elements as they relate to the system of major-minor tonality. Students will explore basic harmonization and

realization techniques, as well as more sophisticated analytical techniques. Sight singing and piano skills will also be addressed. Students should possess the ability to read and play musical notation and be proficient as a vocalist or instrumentalist. Students may only take during their junior year if approved by the instructor. Students enrolled in this course should be preparing for music study (music education, performance, therapy, composition, business) in college.

ARMY JROTC

The mission of the United States Army Junior Reserve officer Training Corps (JROTC) Program is **"TO MOTIVATE YOUNG PEOPLE TO BE BETTER CITIZENS."** The program is offered as an academic elective and the grade received is included in the student's overall grade point average. Program objectives are to provide and encourage citizenship, promote high school completion, develop leadership potential, strengthen self-esteem, improve wellness and physical fitness, provide an incentive to live drug-free and enhance life skills. These objectives are accomplished through a well-balanced curriculum of 180 hours of instruction per year, and a number of optional extracurricular activities to include but not limited to; drill teams, color guards, physical fitness teams, civic activities, and summer leadership camp. Major subject areas in the JROTC curriculum are; **Leadership and Patriotism** (decision making, problem-solving, teamwork, moral responsibility, respect for constituted authority, personal and group success), **Communication** (communicate and listen effectively, improve verbal and written skills, interview and presentation methods), **Citizenship and History** (ethical values, rights and responsibilities, role of military in a democracy, current events, importance of citizenship in American History), **Life Management Skills** (self-reliance, goal setting, time management, financial management, stress reduction, increase self-confidence, overcome fear of failure, career options and opportunities), and **Wellness and Physical Fitness** (first aid training, good health and appearance, drug prevention, importance of diet and exercise). The **JROTC Program of Instruction** is based on a systematic progression of learning that is designed for the cadet's development at each grade level.

- 970 LEADERSHIP EDUCATION & TRAINING (LET I) 1 credit all year**
 This course is designed for students at any grade level entering the program. The desired learning outcomes are: Demonstrate knowledge of the rights, responsibilities (including respect for constituted authority), privileges and freedoms that underlie good citizenship. Display leadership potential and the ability to live and work cooperatively with others. Demonstrates the ability to think logically and communicate effectively, with emphasis on effective oral communication. Describe the importance of diet and demonstrate the importance of physical fitness in maintaining good health and appearance. Demonstrate a basic understanding of the steps in the financial planning process including goal setting and decision-making. Demonstrate an understanding of the history, purpose and structure of Army JROTC. Demonstrate proficiency in basic military skills (such as drill and ceremonies, first aid and map reading) that are necessary for working effectively as members of a team. Describe the importance of citizenship through American history as it relates to America's culture and future from the Revolutionary period to present. Demonstration knowledge of the dangers from substance abuse and the importance of mental management including goal setting and positive self-talk. Express a desire to graduate from high school.
- 971 LEADERSHIP EDUCATION & TRAINING (LET II) 1 credit all year**
Prerequisite – Successful completion of 970
 This course is designed for cadets who have successfully completed LET I. The desired outcomes are to: Demonstrate knowledge of ethical values and principles that underline good citizenship. Display leadership potential which shows the ability to live and work with others. Demonstrate the ability to think logically and to communicate effectively in writing. Describe the importance of physical fitness in maintaining good health and appearance. Demonstrate a basic understanding of the importance of managing income and credit effectively in the financial planning process. Demonstrate an understanding of the roles education, earnings and protecting an income play in the financial planning program. Display knowledge of history, purpose and structure of the total Army, with emphasis on the role and accomplishments of the Army. Demonstrate knowledge of basic military skills in drill and ceremonies, first aid, and map reading that are necessary for working effectively as a member of the team. Describe the importance of American military history during the period from the Korean Conflict to present, as it relates to America's future. Display an understanding of technological advancements in the areas of computers, lasers, simulators, and robotics. Display an understanding of the effects substance abuse has on the present and future, along with the importance of mental management. Express a desire to graduate from high school.
- 972 LEADERSHIP EDUCATION & TRAINING (LET III) 1 credit all year**
Prerequisite – Successful completion of 971
 This course is designed for cadets who have successfully completed LET II. The desired outcomes are to: Demonstrate knowledge of the federal and military systems of justice. Apply leadership assessment principals and display leadership potential by demonstrating the ability to effectively solve problems and supervise. Demonstrate the ability to communicate effectively as a leader and as a counselor. Demonstrate the importance of physical fitness in maintaining good health and appearance. Demonstrate a basic understanding that an important part of the financial planning process is to protect assets against personal and financial loss. Display knowledge of the history, missions, and organization of the Department of Defense and of the military services of the U.S. Armed Forces.
- 973 LEADERSHIP EDUCATION & TRAINING (LET IV) 1 credit all year**
Prerequisite – Successful completion of 972
 This course is designed for cadets who have successfully completed LET III. Students will study service to the National and

financial planning, with continue practical work in drill, technology awareness, physical training and command and staff principles. Designed to give the student practical experience in command and leadership. Practical exercises are provided in planning, preparing, conducting inspections, reviews, and parades. Students are given experience in presenting formal classroom instructions as a means of staff actions and responsibilities, and an opportunity to apply knowledge gained by participating as a battalion staff member in the staff planning process to solve mission requirements. Additional instruction is provided covering subjects such as; American Military History, History of Warfare, Unit Administration, and Military Occupations. The role of the Army in support of national objectives is studied with emphasis given to the fact that civilian authority is the maker of policy and the Army is the executer of that policy.

ADDITIONAL PROGRAMS

091	Study Hall	1 st semester
092	Study Hall	2 nd semester
093	Directed Study Hall	1 st semester
094	Directed Study Hall	2 nd semester
998	Olympus	all year
011	WACTC	all year
101	Lab Study Hall	all year (alternating lab days)

Seniors Only

981	Work Release	periods 9/10, 11, 12
982	Work Release	periods 11, 12
983	Work Release	period 12
984	Early Release	periods 11, 12
985	Late Entry	periods 1, 2
986	Extended Work Release	periods 7-12
987	Penn Commercial Dual Enrollment	
988	Cal. University Due Enrollment	