

PENN HILLS HIGH SCHOOL

PROGRAM OF STUDIES 2024-2025





PENN HILLS SCHOOL DISTRICT

2024-2025 Program of Studies Course Selections for Grades 9-12

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PENN HILLS SCHOOL DISTRICT

2024-2025 Program of Studies

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General Information



PENN HILLS SCHOOL DISTRICT

Mission Statement

The Penn Hills School District is committed to excellence in education and improved opportunities for all with a focus on student learning.

Vision Statement

The vision of the Penn Hills School District is to engage our entire community to inspire individual students to their highest levels of reading and academic achievement while instilling a commitment to service, respect, and life-long learning.

Secondary Schools Curriculum

The curriculum of the Penn Hills secondary schools has been organized with this mission and vision in mind. Instructional services in the middle and senior high schools are comprehensive and varied. They are comprehensive to meet the educational demands common among all youth and varied to provide for the wide range of interest and abilities to be found in the enrollment of a public secondary school. In view of the fact the Penn Hills students are looking forward to a variety of careers and post-secondary school educational opportunities, the curriculum is further organized to promote career readiness and preparedness for post-secondary training, while recognizing that some students may opt for immediate employment following graduation. The school curriculum has been developed under criteria established by the Pennsylvania Department of Education.

Our core program has been supplemented broadly through the inclusion of learning opportunities and modern foreign languages, extended science and mathematics opportunities, and enrichment areas, as well as vocationally oriented courses in line with the recent recommendations for 21st century skills.

The following pages describe the courses available in the Penn Hills High School. This Program of Studies has been prepared in order to provide families and students with the essential information needed to make a sound decision about the program to be followed in the secondary grades.

Families and youth are urged to study this guide to ensure that every student pursues a curriculum that is challenging, rewarding, and functional. Consultations with school counselors, secondary level school administrators, and teachers are encouraged for the purpose of assessing the student's individual capabilities and interests and to further interpret the curricular areas that may be pursued with profit and success.



General Information

2023-2024 Tentative Scheduling Timeline

January 22-26	11 th Grade Presentation
January 29-February 2	11 th Grade Course Selections
January 29-February 2	10 th Grade Presentation
February 5-9	10 th Grade Course Selections
February 5-9	9 th Grade Presentation
February 12-16	9 th Grade Course Selections
February 12-16	8 th Grade Presentation
February 22-23	8 th Grade Course Selections
February 5-March 15	Counselor/Student 1:1 Discussions
March 22-April 26	Master Schedule Building
May 9	Move Up Day – Grades 8-11
May 20	Last Day to Request a Schedule Change



General Information

Graduation Requirements

At Penn Hills, a minimum of 24 credits are required for graduation from high school. These credits must include:

English	4.0 Credits
Social Studies	3.5 Credits
Science	3.0 Credits
Math	3.0 Credits
Health/Physical Education	1.5 Credits
Technology	1.0 Credits
Family and Consumer Science	1.0 Credits
<u>Electives</u>	<u>7.0 Credits*</u>
Total Credits	24 Credits

**A 0.5 credit online or cyber class is required, as well as a 0.5 credit service-learning or community service project must be completed*

Note: Students will not be permitted to participate in the graduation ceremony if they have not met the credit requirement and paid off all financial obligations prior to graduation.



General Information

State Graduation Requirement Pathways

In accordance with PA Act 158, Penn Hills School District has aligned its graduation requirements to ensure the future success of all our students for the Class of 2024 and beyond. All students will attempt the Algebra I, Biology, and Literature Keystone Exams upon completion of the aligned course for each exam.

NOTE: Proficiency on the Keystone Exam in Algebra I, Biology, and Literature o A student earns a minimum score of proficient (1500) on each of the three (3) Keystone Exams – Algebra I, Biology, and Literature.

If a student is not successful (after receiving the offered supplemental instruction) on the second attempt on a Keystone exam, students have the opportunity to meet the requirements through an alternate pathway. Alternate pathways to fulfill the state assessment graduation requirement are defined below.

I. Composite Pathway: A student earns a minimum composite score of 4452 as set by Pennsylvania Department of Education. The composite score must be earned across the three (3) Keystone Exams, with at least one score of proficient or advanced on any Keystone Exam and no less than basic earned on the other two Keystone Exams.

II. Career Readiness Pathway: Successful completion of courses aligned to each of the three (3) Keystone Exams: Algebra I, Biology or Honors Biology, and English 10 or Honors English 10.

Plus the following: Earning an approved Industry Based Credential in his/her program at FRCTC with the high likelihood of success on an approved industry-based competency assessment (achievement on the pre-NOCTI exam) or readiness for continued meaningful engagement in the aligned CTE area.

III. Alternate Assessment Pathway: Successful completion of courses aligned to each of the three (3) Keystone Exams: Algebra I, Biology or Honors Biology, and English 10 or Honors English 10

Plus one (1) of the following:

- A. Meeting the published college readiness benchmark on the PSATs or SATs or ACTs or ASVABs;
- B. Earning a two (2) or higher on the Advanced Placement Exam for a corresponding content area; Math - AP Calculus AB, AP Statistics, AP Computer Science Principles; Science - AP Biology; Literature - AP English Language and Composition, AP English Literature
- C. Passing a concurrent/dual enrollment course through the Early College in High School Academy (CIHS), CCBC or FRE Health Science Academy
- D. Successful completion of a pre-apprenticeship program.
- E. Acceptance in an accredited 4-year nonprofit institution of higher education and evidence of the ability to enroll in college-level coursework.

IV. Students With Disabilities: Any student with a disability who satisfactorily completes a special education program developed by an individualized education program team under the Individuals with Disabilities Education Act and 22 Pa. Code Ch. 14 (relating to special education services and programs) that does not otherwise meet the requirements of Act 158 or Act 6 shall be granted and issued a regular high school diploma



General Information

by the student's LEA. Note: Students who graduate in this manner are not considered to have been granted waivers under Act 158. This is an IEP Team decision.

- V. EL Learners: All English Learners (ELs) are required to participate in the Mathematics PSSA or Algebra I Keystone Exam and the Science PSSA or Biology Keystone Exam with accommodations as appropriate regardless of enrollment date. Note: All ELs are required to take the WIDA ACCESS for ELs English Proficiency Test.

However, an EL student whose enrollment in any US public school is fewer than 12 cumulative (non-consecutive) months by the end of the year in which the PSSA ELA/Keystone Literature testing window occurs has an option to take the associated exam. Enrollment in a school in any US territory, such as Puerto Rico, is not to be considered enrollment in a US public school.

An EL may be exempted only once from participation in the PSSA ELA or Keystone Literature Exam. For example, if an EL student was exempt from participation during a previous test administration, the student must participate during the current testing window regardless of length of enrollment.

An EL student who does not participate in the Keystone Literature Exam as an 11th or 12th grade student must satisfy the requirements of Act 158 and Act 6 through a pathway other than the Keystone Proficiency or the Keystone Composite Pathways. The CTE Concentrator, Alternative Assessment, and Evidence-Based Pathways require EL students to complete locally established grade-based requirements for academic content associated with each Keystone Exam in which the student did not demonstrate proficiency.

ADD PATHWAY DOCUMENTS SENT ON 1/5



General Information

Scheduling Requirements for Students

1. At least 2.0 credits of Elective Courses must be earned in the Arts and Humanities. Arts and Humanities courses include additional courses in English, Social Studies, World Languages, Visual Arts, Family and Consumer Sciences, and Music Arts.
2. At least one additional credit must be earned in a S.T.E.M.-related area (i.e., Science, Technology, Engineering, and Mathematics). In the Table of Contents for selected Departments, the Program of Studies outlines specific courses that meet the S.T.E.M. designation.
3. Students must schedule a minimum of 6.0 credits each school year.
4. Students who deviate from this requirement must have the approval of the Building Principal and/or IEP Team.
5. Successful completion of a minimum of 11 credits is required to achieve Junior standing. Students that are unsuccessful in any English, Social Studies, Math or Science course must successfully complete that course through summer school or credit recovery at per course cost to the student's family.
6. There are seven (7) instructional periods at the Senior High School. Students are encouraged to take advantage of the many and varied elective courses offered by the District.
7. Students may not schedule more than the equivalent of one full year study hall during the year.



General Information

Course Sequence

Grade 9 (Class of 2028)	Grade 11 (Class of 2026)
Required English 1.0 Credit Social Studies 1.0 Credit Math 1.0 Credit Science 1.0 Credit Physical Education .25 Credit Health Education .5 Credit Penn Hills Way .25 Credit Required Courses 5 Credits Elective Courses up to 2 Credits (Must schedule at least 2 elective credits)	Required English 1.0 Credit Social Studies 1.0 Credit Math 1.0 Credit Science 1.0 Credit Physical Education .25 Credit Career Pathways .25 Credit Elective Online Course .50 Credit Required Courses 4.5 Credits Elective Courses up to 2.5 Credits (Must schedule at least 2 elective credits)
Grade 10 (Class of 2027)	Grade 12 (Class of 2025)
Required English 1.0 Credit Social Studies 1.0 Credit Math 1.0 Credit Science 1.0 Credit Physical Education .25 Credit Financial Literacy .25 Credit Required Courses 4.5 Credits Elective Courses up to 2.5 Credits (Must schedule at least 2 elective credits)	Required English 1.0 Credit Social Studies .5 Credit Physical Education .25 Credit Foods For You .25 Credit Elective Online Course .50 Credit Required Courses 2 Credits Elective Courses up to 5 Credits *Students must be scheduled for (4) classes per semester regardless of credits earned



General Information

Homeless Students

In 1987, the McKinney-Vento act became law. This was the first comprehensive federal law dealing with the problems of homelessness in America. In 2001, the ACT was included in the No Child Left Behind Act and is now titled, "The McKinney-Vento Homeless Education Assistance Improvements Act of 2001."

In 1988, the Pennsylvania Department of Education established the Education for Homeless Children and Youth Program.

The key mandate of these laws is to ensure that homeless children and youth have access to free and appropriate public education on an equal basis with other children.

Who Qualifies?

Children who have no fixed, regular, or adequate nighttime residence. These students may be found in the following situations:

- Public or private shelters
- Public or private places not designated for/or ordinarily used as regular sleeping accommodations such as vehicles, parks, motels, campgrounds, etc.
- Living with a parent in a domestic violence shelter
- Individuals and/or families living with relative or friends due to a lack of housing
- Living in transitional housing programs
- Children of migrant families who lack adequate housing
- Children abandoned in hospitals or awaiting foster care
- Unaccompanied youth (under age 18) and children who have been abandoned or forced out of the home by parents or other caretakers. They may be in temporary shelters awaiting assistance from social service agencies or may live alone on the street or move from place to place among family members, friends, or acquaintances. This also includes such youth from 18-21 years of age who may still be eligible for educational services in regular or special education.

Rights of Students who are Experiencing Homelessness

If a student becomes homeless during the academic year or between academic years, they may continue in their "school of origin" for the rest of the year if this is in the best interest of the student.

Students who are experiencing homelessness are also entitled to:

- Eligibility for Free and Reduced Lunches
- Eligibility for Title I support services
- Transportation services arranged by Penn Hills School District
- Home/School Visitor (School Social Worker) to support and provide resources for the family

Where to Turn for Help

If you feel you and your family are experiencing homelessness, please contact the homeless liaison, principal, or guidance counselor in order to receive appropriate services.

Kyoko T. Henson, Penn Hills School District Homeless Liaison
Nicole Anderson, Allegheny Intermediate Unit
The PA Department of Education, Homeless Children and Youth Program

412-793-7000 x1218
412-394-5700
717-783-6466



General Information

Fine Arts

Students having a well-defined career interest in fine arts are encouraged to explore this curricular area as deeply as their interests dictate. However, please keep in mind that a limit of four (4) credits in music (chorus, orchestra, band) and/or four (4) credits in art can be applied during the last four years of secondary school to the twenty-three (23) total credits required for graduation.

Health/Physical Education

A half credit (.5) will be granted for Health and a quarter credit (.25) credit per year for Physical Education will be granted. Physical Education classes must be scheduled each year. A failing grade in physical education must be made up during summer school or through credit-recovery. Contract Physical Education and Contract Health will not be an option for making up a failing grade.

Keystone Exams

There is a proficiency requirement for the Class of 2023 and beyond. See page 7 for specific information regarding proficiency options.

PSAT EXAM

The PSAT/NMSQT is the Preliminary SAT/National Merit Scholarship Qualifying Test. The PSAT is a great primer for the SAT, and even the ACT, but it is more than just a trial run. PSAT scores are used to identify National Merit Scholars and award merit scholarships. More than 3.4 million high school students (mostly juniors and sophomores) take this nationwide, multiple-choice test every year. The PSAT is administered to all 10th graders at no cost.

ASVAB

The ASVAB is a multiple choice test administered by the United States Military Entrance Processing Command and is used to determine qualification for enlistment in the United States Armed Forces. It is often offered to American high school students when they are in the 10th, 11th and 12th grade. Although the test is administered by the military, it is not (and never has been) a requirement that a test-taker with a qualifying score enlist in the armed forces.

Study Hall Scheduling

A maximum of five (5) study hall periods per week may be scheduled. Therefore, a student **MUST** maintain a full class schedule in grades 9 -12.

Social Studies Elective Courses

Priority for scheduling social studies elective courses will be offered to Grade 12 students. Grade 11 students may schedule social studies electives provided slots are available in a given class. Grade 9 and 10 students may not schedule social studies elective courses.

Schedule Requirements

The school day for students in Grade 9-12 consists of eight (8) periods. Only those high school students who have been approved for dual enrollment, late arrival or early release may schedule fewer than 8 periods of instruction per day.

Late Arrival OR Early Release

Seniors who are interested in entering the workforce or are taking college classes at local colleges or universities, while attending high school may qualify for an early release OR late arrival assuming: The student's schedule can be altered to include all required courses, they have earned 19 credits and have a cumulative GPA of 2.0 or higher, and the student's parent/guardian has granted written permission for an early release.

Students are expected to follow established arrival or checkout procedures and to enter or leave the building promptly at their individual dismissal times. Privileges will be revoked for those students who violate these guidelines, and their schedules will be adjusted accordingly.

Schedule Changes

Families are encouraged to plan schedules thoughtfully, as final staff assignments are based on student requests. Requests made after the deadline may be honored at the Building Principal's discretion. Please note however that the student will receive a failing grade for the course on his/her transcript and class rank and GPA will also be affected.



General Information

Promotional Standards

Progress toward high school graduation shall be based on the student's ability to meet the established academic standards and pass the required subjects and electives necessary to earn the number of credits mandated by the Board of School Directors for graduation.

Appointment to a grade level is based upon accumulated credits at the start of the academic school year. Assignment to the 10th grade will depend on the satisfactory completion of 3 out of 4 core classes in ninth grade plus Health and Physical Education. Assignment to the 11th grade will depend on the satisfactory completion of 3 out of 4 core classes in tenth grade plus Physical Education. Assignment to the 12th grade will depend on satisfactory completion of 3 out of 4 core classes in eleventh grade plus Physical Education and accumulation of seventeen (17) credits.

Early Admission to College

It is recognized that students, who have completed a majority of the graduation requirements, may wish to exercise the option of "early admission" into college. Students entering college on an early admission basis shall:

- A. Apply and be accepted for admission in a full-time program leading toward a degree.
- B. Enroll full-time schedule during his/her freshman year of college, which is similar to that required by the college for all students.
- C. Complete the full freshman year schedule of course work at a satisfactory level
**Failure to successfully complete this will disqualify the student for a diploma.
- D. Letter of Intent must be submitted to the Building Principal

Upon satisfactory completion the student must provide an official transcript from the college to initiate the process for the issuance of the Penn Hills Senior High School diploma.



Student Evaluation

Core and Elective Course Grading

Explanation of Grading System used in Basic Education Programs

Teachers are responsible to assess student progress in two (2) major areas:

Achievement Rating

1. Mastery of subject matter in relation to class peers
2. The A, B, C, D and E, P and F marks

Interpretation of the Marks used in the Grading System

This portion of the mark is based upon classroom work and other evidence made available through effective evaluation procedures.

A - indicates Outstanding overall performance

B - indicates Above Average overall performance

C - indicates Average overall performance

D - indicates Below Average overall performance

E - indicates Low overall performance

P - indicates Credit

F - indicates No Credit

Explanation of Grading Systems Used in Special Programs

Special Education

When recommended by a student's IEP team and indicated in a student's IEP, a pass or a fail (P/F) option will be a grade choice in accordance with specially designed instructional interventions.

Advanced Placement Courses

The Advanced Placement Program offers college-level courses and exams for secondary school students, giving college credit and/or advanced placement to students whose AP Examination grades are considered acceptable.

The grade earned in AP classes is based on a national standard and we expect our students to meet the standards of the program.



Student Evaluation

Advanced Placement Courses (cont.)

The letter marks for Advanced Program Placement courses are:

- A** - indicates Well Qualified in relation to local and national standards
- B** - indicates Qualified in relation to local and national standards
- C** - indicates Conditionally Qualified in relation to local and national standards
- D** - indicates Not Qualified in relation to local and national standard
- E** - indicates No Credit in relation to local and national standards

The grade quality point value, grade or weight, for the final average grades in Advanced Placement courses for class ranking purposes only are:

- A** - 5 quality points
- B** - 4 quality points
- C** - 3 quality points
- D** - 2 quality points

Honors Classes

The grade quality point value, grade or weight, for the final average grade in Honors classes are as follows:

- A** - 4.5 quality points
- B** - 3.5 quality points
- C** - 2.5 quality points
- D** - 1.5 quality points

Computation of Grades

1. For subjects organized on a year (2 semesters) basis the following weights are established:

Q1 = 20%	Q2 = 20%	MT Exam = 10%	Q3 = 20%	Q4 = 20%	FINAL Exam = 10%
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2. For subjects organized on a semester basis:

Q1 = 40%	Q2 = 40%	FINAL EXAM = 20%
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Student Evaluation

3. The numerical divisions for grades will be represented by a percentage.

A – 90 -100%
B – 80 - 89%
C – 70 - 79%
D – 60 – 69%
E – 59% or lower

Mid-Term and Final Examinations

Mid-term and final examinations will be given in all one-year course offerings. Final examinations will be given in all one-semester course offerings. Students who are legally absent from school during either the mid-term or the final examination period will have two (2) weeks to make up the examination. Failure to make up an examination will result in the recording of an E grade.

Student will be exempt from examinations, midterms or finals ONLY upon submission of medical excuses approved by the building principal.

The following factors should be considered when computing grades:

1. All students enrolled for over five weeks should receive fully completed report cards listing marks in all subjects.
2. Students who have not completed all course requirements during a given marking period should be given a grade based upon the percentage of work completed as compared to the total work expected during a particular marking period. Subject teachers must provide the opportunity for students to make up examinations missed because of legal absence. Change of grades may be entered for each student when they have completed the required course work.

Class Rank

The the top 5% of students will be recognized as Valedictorians. Valedictorians will be distinguished by wearing white gowns and will receive a valedictory medal. Any course dropped after the August deadline will affect class rank.

Honor Roll

1. Exemplary Honors is attained by a Q.P.A. of 4.0 and above for a grading period.
2. High Honor Roll is attained by a Q.P.A. of 3.750 to 3.999 for a grading period
3. Honor Roll is attained by a Q.P.A. of 3.00 to 3.749 for a grading period
4. Any “E” grade will disqualify a student from any honor roll for a particular grading period.



Student Evaluation

National Honor Society

Beginning with the Class of 2022 and above, National Honor Society eligibility requires a cumulative Q.P.A. of 3.750 plus participation in at least two activities, community service and positive character recommendations from instructional staff and administration.

Progress Reports

The purpose of the Progress Report is to inform students and parents of the student's grading status midway through the grading quarter.

Progress reports should be used to initiate intervention plans developed through a collaborative effort among students, families, teachers, and school counselors for those students who are not performing to the best of their ability.

Confidentiality of Student Report Cards

The grades of individual students should be kept confidential between the teacher and the student and not shared with an entire class. Student grades are not public record.

Sharing the information contained in the report card should be the prerogative of the student. While in the possession of the school, the material contained in these forms should be kept confidential.

The progress of students who attend Penn Hills Senior High School are made available to families on an ongoing basis via Skyward, the district's online reporting system. Parents/guardians interested in using Skyward may request a district-issued password. Forbes Road East grades are reported at the end of each quarter only.

Awarding Credits

1. Credit will only be issued in a course for which a passing grade has been received.
2. Credit will only be issued when the specific requirements of each course has been accomplished.

Forbes Road East Career and Technology Center Credits

1. Forbes Road Career and Technical School courses exceed in instructional hours the traditional time definition for credit.
2. Students successfully completing a course at the Forbes Road Career and Technical School will be awarded three (3) credits per year. An additional .5 Physical Education credit may be earned in grades 10-12



Student Evaluation

Summer School

The Penn Hills School District approves annually a list of summer school providers as the PHSD does not facilitate its own summer school program. Students must have attended at least sixth grade before being eligible for summer school. Most credit recovery course offerings consist of sixty (60) instructional hours. NOTE: These courses are **not NCAA approved courses** and do not count towards the NCAA Clearinghouse core class requirement.

The procedures below are based on Board Policy 122:

1. No more than two (2) courses are permitted during the approved summer school session.
2. The summer school course and grade will appear on the permanent record card and all transcripts.
3. Summer school grades will be reflected by the actual value assigned as a grade for that course.
4. QPA will be recalculated prior to the beginning of the new school year when summer school certificate is received.
5. An indication will appear on the permanent record card and all transcripts noting that the grade was attained in summer school.



Selecting a High School Program

IN ORDER TO PROFIT TO THE FULLEST EXTENT FROM THE EDUCATIONAL SERVICES AND OPPORTUNITIES PROVIDED BY THE PENN HILLS SCHOOL DISTRICT SECONDARY SCHOOL STUDENTS SHOULD:

Select a curriculum early.

Many opportunities are provided in the middle school and the high school, not only through the regular class work, but also through the services of the school counseling department, to study the educational requirements, conditions of work, and challenges of various careers.

As early as the eighth grade, each student must formulate, with his/her parents, plans for a course of study to be pursued in succeeding years. This selection should be based upon a very careful analysis of the student's abilities, his/her interests, and his future plans. Once an over-all curriculum for the senior high school has been decided upon, it should be re-evaluated each year to make certain it includes those learning experiences a student desires and needs.

Select the curriculum that meets individual needs.

Each student is unique from any other student in his/her ability to do schoolwork, his/her interests, energy level, motor skills, and health, to name a few areas.

Each student should assess his/her own abilities and future plans to determine the nature of courses he/she should pursue in high school. It is obvious that success in specific vocational areas demands unique training and preparation. Engineering, research, and related fields require a high competency in mathematics and science. Law, teaching, and business, among other things, demands a high degree of communicative skill. The trades and industry demand mechanical and mathematical competencies.

No student should select a particular high school program simply because his/her friends have selected such a program. Each student should finalize his/her high school plans only after consideration of every facet of his/her own personality and the contribution the individual student hopes to make to our society.

Specifically, each student, with his/her family should:

1. Jointly study his/her previous school record, which will reveal demonstrated strengths and weaknesses over the years in the various learning areas.
2. Discuss with school officials the student's standardized and local assessment results.
3. Become familiar with published materials in the fields of his/her occupational interest. If college is included in the student's future plans, college catalogs should be thoroughly studied. If immediate employment after high school is desired, then every effort must be made to study the library of occupational materials available.



Selecting a High School Program

Also, consider personal health as the required class work and preparation can be demanding. Additionally, frequent involvement in community or school-life activities can further add to a student's daily responsibilities. It is recommended that personal health and welfare be considered in all future planning.

Identify interests.

Every student possesses qualities that lead to enjoyment of certain activities. Often these interests, challenges, curiosities, hobbies, and satisfactions indicate the nature of the future work a student should consider in his planning. For example:

1. Does he/she like to work with people, ideas, or things?
2. Does he/she enjoy variety in the things he/she does or likes doing the same things over and over?
3. Does he/she enjoy reading?
4. Does working with numbers fascinate him/her?

Since most of us do better in the things we like to do, these interests should be analyzed to uncover clues about course areas that would be of greater challenge.

Discuss plans.

Every effort is made to provide in school the most competent professional guidance available. In addition to school personnel, students should discuss their plans with qualified community vocational and professional leaders, college representatives and parents. Selecting a high school program is one of the most important decisions a student will make during his/her life. It should be made only after exhaustive efforts to discuss the decision are undertaken.

Select a program that will be challenging.

The following services and opportunities are available to assist in this decision-making process:

School Counselor Services

The middle school and senior high school counseling departments serve each student in a variety of ways. Major functions are to provide individual and group counseling services so that each student can be supported in the areas of education, vocation and personal problems; to guide students in course selection; to assist students in vocational and college placement, and to coordinate and maintain a complete record of student progress from the time of each student's admission into school.

Information is provided to students through class memos, large and small group meetings, morning announcements and individual conferences.



Selecting a High School Program

Post-secondary planning is available annually as students individually meet with their counselor to re-evaluate their program of study and their plans following graduation. Students and parents are invited to meet with the counselor to discuss preparing for the world of work, business, trade or technical schools, two-year colleges or four-year colleges.

The school counseling office has many resources available and the counselors invite students and parents to arrange for a conference, or for a resource consultation at a mutually convenient time.

Special Education

Special education courses are available to meet the needs of individuals for remediation and enrichment. The first priority for educational programming is consideration for the student's need to develop basic life skills according to the IEP.

These courses are only available by referral. Students believed to be eligible should be directed to the Principal and Director of Special Education through the student's case manager and school counselor.

Student Scheduling Philosophy and Options

Penn Hills School District offers a comprehensive educational program to meet the needs and interests of all students. The master schedule is developed from course requests submitted at the start of the second semester and is finalized in the late spring/early summer in order to set student and teacher schedules. There is always the possibility that a class will close early due to heavy enrollment or that a class will not be scheduled due to an insufficient number of students electing that subject. Counselors meet with students and teachers to give input and recommendations as students are making their selections.

Additionally, to meet student scheduling requests while providing flexibility, students will have the option to take various courses traditionally in the school setting or remotely. We ask that you indicate your interest in taking one or more remote class so we can accurately accommodate and schedule student requests. More specifically, parents or guardians and their student entering grades 9 - 12 may choose from the following school day options during the course request process:

- 1) Traditional schedule with in-person classes
- 2) Synchronous learning that happens live both in-person and on-line
- 3) Blended schedule with both in-person and on-line classes
- 4) Cyber schedule with on-line classes

Please note that the Penn Hills School District will continue using on-line platforms in all settings to provide instructional activities. Therefore, all students will be required to have a device and the PHSD will continue to provide and issue a device for all students in all schooling options provided the parent or guardian complete the required documents. Penn Hills High School will offer synchronous sections in all core classes and some electives.



Selecting a High School Program

Advanced Placement Courses (AP)

Courses in Calculus (Both AB and BC), Statistics, Computer Science, English Composition, English Literature, Biology, Chemistry, Physics, U.S. History, European History, World History, Psychology, and Art. Students are recommended to enroll in the advanced placement program based upon past academic performance, Keystone exam scores, teacher recommendations and the approval of the department chairperson and the high school principal.

Students enrolled in AP courses should plan on taking the advanced placement tests recommended by their AP instructor. Advanced placement courses are considered to be equivalent to freshmen college courses. Please Note: Careful selection regarding any AP class should take into consideration summer assignment requirements.

NOTE: Students and parents will be required to sign and submit an AP contract as to their intentions to remain in the course. Students that drop an AP course after the posted August deadline will receive a (WF) Withdrawal Failure on their transcript.

Opportunities for Post-Secondary Education

Varied educational opportunities are available to high school graduates. Some of these include apprentice training, armed forces, business schools, career schools, universities, community and junior colleges, schools of nursing education, technical institutes, and trade schools. School counselors provide the student with information about the various types of post-secondary education programs and the institutions that offer them.

Academic preparation necessary for entrance into college will vary depending upon the career goals and aspirations of the student. Because of the number of electives available in many of the curriculum areas, it is strongly recommended that students meet with their counselor to develop a program of studies appropriate with their goal aspirations.

Furthermore, students who are pursuing dual enrollment must be in good standing with the District in terms of academics, attendance, and behavior. Additionally, all students must schedule a minimum of four courses at Penn Hills Senior High School, and all courses attempted at the post-secondary level must be approved in advance by the school counseling staff to ensure both high school and college credit may be granted. For students not planning to attend college, the counseling center has information about job skills, interviews, resumes, and job descriptions. The counselor will assist with the planning of student-developed goals.

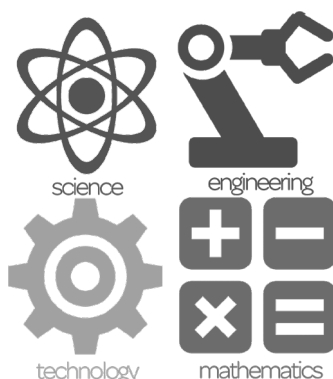


Career Clusters

Penn Hills High School is proud to offer the following career clusters. Students are encouraged to begin taking courses in their desired career cluster beginning in 10th grade. Those interested should state that during the scheduling process. Space is limited in each cluster so students who are interested will be chosen based on the following criteria: interest inventory results, attendance, grade point average and Keystone exam results in Biology and Algebra I.

GENERAL STEM

	GRADE 10	GRADE 11	GRADE 12
MATHEMATICS	Honors Algebra II Honors Trig/Pre Calc.	Honors Algebra II Honors Trig/Pre Calc AP Calculus AB	Honors Trig/Pre Calc AP Calculus AB AP Calculus BC
ENGLISH	English II or Honors English II	English III, AP English Language and Composition, or AP English Literature	English IV, AP English Language and Composition, or AP English Literature
SOCIAL STUDIES	World History or Honors World History	US History	Modern American US History
SCIENCE	Honors Chemistry	Honors Physics	Science in Engineering
ELECTIVES	STEM Coding I 3D Modeling Robotics I & II	STEM Coding I, II, & III 3D Modeling Robotics II Esports	STEM Coding I, II, & III 3D Modeling Robotics III AP Computer Science Esports



Career Clusters

SPORTS MANAGEMENT

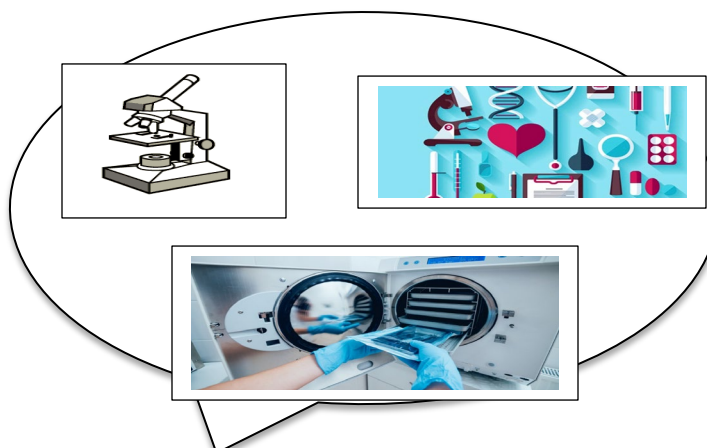
	GRADE 10	GRADE 11	GRADE 12
MATHEMATICS	Geometry, Honors Geometry, Algebra II or Honors Algebra II	Algebra II	Trig/Pre Calc., Honors Trig/Pre Calc., AP Calc AB or BC, Intro to Calculus, or AP Statistics
ENGLISH	English II or Honors English II	English III, AP English Language and Composition, or AP English Literature	English IV, AP English Language and Composition, or AP English Literature
SOCIAL STUDIES	World History or Honors World History	US History	Modern American US History
SCIENCE	Chemistry or Honors Chemistry	Human Anatomy and Physiology or Health Related Science	Human Anatomy and Physiology or Health Related Science
CAREER CLUSTER ELECTIVES	Sports Management I	Sports Management II	Business Management Business Law
ELECTIVES	Sports Management I and II OTHER: Journalism Video Production I or II Accounting Advertising Design (FORBES CTC) Multimedia Design (FORBES CTC)	Journalism Video Production I, II, or III Accounting Advertising Design (FORBES CTC) Multimedia Design (FORBES CTC)	Journalism Accounting Advertising Design (FORBES CTC) Multimedia Design (FORBES CTC)



Career Clusters

MEDICAL FIELD

	GRADE 10	GRADE 11	GRADE 12
MATHEMATICS	Geometry OR Honors Geometry, Algebra II or Honors Algebra II, Honors Trig/Pre Calc	Algebra II or Honors Algebra II, Trig/Pre Calc OR Honors Trig/Pre Calc AP Calculus AB	Trig/Pre Calc. OR Honors Trig/Pre Calc., AP Calc AB or BC or Intro to Calculus, or AP Statistics
ENGLISH	English II or Honors English II	English III, AP English Language and Composition, or AP English Literature	English IV, AP English Language and Composition, or AP English Literature
SOCIAL STUDIES	World History or Honors World History	US History	Modern American History
SCIENCE	Chemistry or Honors Chemistry	Honors Chemistry or AP Chemistry and/or Science Elective (see below)	AP Biology and/or Science Elective (see below)
CAREER CLUSTER ELECTIVES		Veterinary Science (PHHS) Human Anatomy or Physiology Health Related Science	Veterinary Science (PHHS) Medical Terminology Human Anatomy or Physiology Health Related Science
ELECTIVES	Veterinary Science (FORBES CTC) Emergency Response (FORBES CTC) Health Sciences (FORBES CTC)	Forensic Science Veterinary Science (FORBES CTC) Emergency Response (FORBES CTC) Health Sciences (FORBES CTC)	Forensic Science Veterinary Science (FORBES CTC) Emergency Response (FORBES CTC) Health Sciences (FORBES CTC)



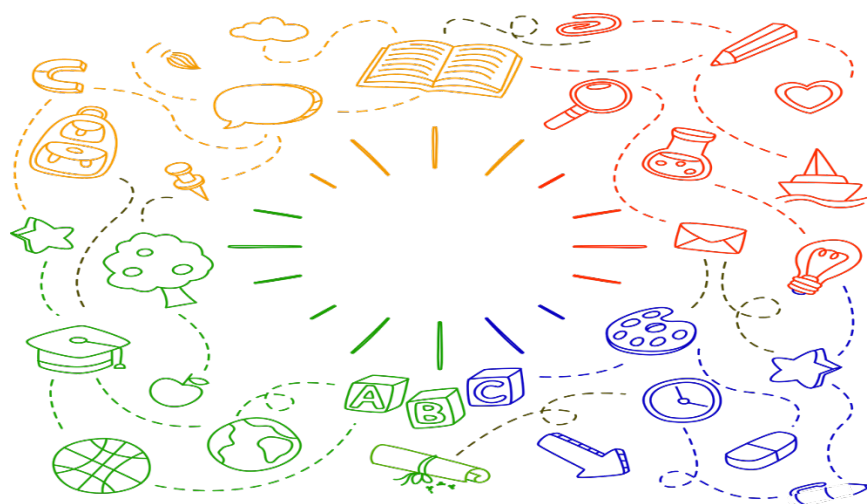
Nursing, Doctors, Medical Billing, Science Research, Nutrition, Occupational Therapy, Physical Therapy, Pharmacy



Career Clusters


EDUCATION

	GRADE 10	GRADE 11	GRADE 12
MATHEMATICS	Honors Geometry Honors Algebra II Honors Trig/Pre Calc.	Honors Algebra II Honors Trig/Pre Calc AP Calculus AB	Honors Trig/Pre Calc AP Calculus AB AP Calculus BC
ENGLISH	English II or Honors English II	English III, AP English Language and Composition, or AP English Literature	English IV, AP English Language and Composition, or AP English Literature
SOCIAL STUDIES	World History or Honors World History	US History	Modern American US History
SCIENCE	Chemistry	Physics	Science in Engineering
CAREER CLUSTER COURSE		History of Education	Psychology Child Development



College in High School

Penn Hills High School is proud to offer students the opportunity to earn college credits at a nominal cost determined by participating colleges. The courses listed below will be offered at Penn Hills High School during the normal school day and will be taught by our faculty. Students enrolling in a course will receive 3 credits for each course provided they earn a passing grade and pay a nominal fee. NOTE: This fee is substantially less than a 3-credit course offered by colleges and universities.

College in High School courses are designated in the program of studies with this symbol. 



College in High School

In addition to the courses through the universities below, the PHSD will continue to seek partnerships with other colleges and universities to provide the opportunity for students to earn additional college credits by taking the AP courses we offer in other subject areas.

The University of Pittsburgh College in High School

AP Psychology

*Full Year/5 Periods
Grade 11, 12*

University of Pittsburgh equivalent:
PSY 0010: Introduction to Psychology (3 credits)

G320
1.0 PHHS Credits

AP Calculus AB

*Full Year/5 Period
Grade 11, 12*

University of Pittsburgh equivalent:
ATH 0220: Analytic Geometry & Calculus I (4 credits)
***requires a qualifying score on the ALEKS placement test*

J090
1.0 PHHS Credits

La Roche University Scholar Program

AP Chemistry

*Full Year/5 Periods
Grade 11, 12*

La Roche University equivalent:
CHEM 1001 & 1003: General Chemistry I + Lab (4 credits)

G380
1.0 PHHS Credits

AP Biology

*Full Year/5 Periods
Grade 11, 12*

La Roche University equivalent:
BIO 1003 & 1005: General Biology I + Lab (4 credits)

G370
1.0 PHHS Credits



College in High School

Seton Hill University College in High School

AP English Language & Composition

Full Year/5 Periods

Grade 11, 12

Seton Hill University equivalent:

SEL 105 66: Composition and Culture Part A (3 credits)

J170

1.0 PHHS Credits

AP English Literature & Composition

Full Year/5 Period

Grade 11, 12

Seton Hill University equivalent:

SEL 151 5GL Topics in Literature (3 credits)

G170

1.0 PHHS Credits

AP United States History

Full Year/5 Periods

Grade 11, 12

Seton Hill University equivalent:

SHY 103 66: Introduction to American History (3 credits)

J300

1.0 PHHS Credits

Honors Trigonometry & Pre-Calculus

Full Year/5 Period

Grade 11, 12

Seton Hill University equivalent:

SMA 120 66: Precalculus (3 credits)

S089

1.0 PHHS Credits

AP Statistics

Full Year/5 Period

Grade 11, 12

Seton Hill University equivalent:

SSS 250 53: Introductory Statistics (3 credits)

J070

1.0 PHHS Credits

AP Physics I

Full Year/5 Periods w/Lab

Grade 12

Seton Hill University equivalent:

SPH 106 & 107: College Physics I + College Physics I Lab (3 credits)

SPH 106.52 College Physics I

SPH 107.52 College Physics I Lab

G390

1.0 PHHS Credits

AP Calculus BC

Full Year/5 Periods

Grade 11, 12

Seton Hill University equivalent:

SMA 140: Calculus II (3 credits)

SMA 140.57

G090

1.0 PHHS Credits

Note: *If funding is available, the Penn Hills School District will pay for one College in High School course per student, per year. Availability of funding will be shared during the Fall Parent Meeting (tentatively to be scheduled in early September).*



Post-Secondary Planning

COLLEGE ADMISSIONS

In selecting students for admission, most colleges and universities consider the following data.

1. **Scholastic Record** - A student's scholastic record is carefully evaluated by college admissions officers. A copy of each student's transcript of grades is provided by the Counseling Office.
2. **Admissions Tests** - A fee, stipulated by the test publisher, is charged for the following assessments.

PSAT/NMSQT	The Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test, or the PSAT/NMSQT, consists of two fifty-minute test sections. The PSAT, is taken mainly by high school juniors planning to attend college. Sophomores are encouraged to take this test for experience. PSAT scores are not used for college entrance qualification.
SAT I	Both high school juniors and seniors take the Scholastic Assessment Test, or SAT Reasoning Test, which consists of six one-half hour sections. It is recommended that juniors take the SAT I in the spring of the year.
SAT II Subject Tests	These achievement tests are required by a small group of select colleges. Students should confer with school counselors and/or specific college application forms regarding scheduling this test.
ACT	Some colleges may require the American College Test (ACT).
AP	The Advanced Placement Examinations are given to students in Advanced Placement courses during the month of May.

Note: SAT and ACT tests may NOT be taken on the same day.

Financial Aid

Financial aid is the term given to scholarships, grants, loans, and part-time jobs that may make it possible to attend college. Students who are interested in financial aid information should study the catalogues of a number of colleges and universities of their choice and secure the necessary application forms. State and federal financial aid information is available in the counseling office as well as online with the Internet in the technology center. Evening financial aid meetings are planned for students and parents. High school counselors will discuss financial aid sources with students upon request.

Facilitator for Handicapped and Disadvantaged Vocational Students:

The facilitator will provide support services or refer the student to the appropriate personnel for support services that are necessary for vocational success. These services are available to handicapped or disadvantaged students who are enrolled in an approved vocational program only.



Curriculum: Secondary Division, Grades 9-12

Please Note:

During the scheduling process, course selection should be made to meet individual needs and career objectives. A student's past achievements, tests scores, teacher recommendations, and the counselor's assistance should be utilized in this decision-making process. Counselors and students are encouraged to adhere to course prerequisites.

The courses selected are critical in establishing staff needs and instructional material needs for each building. Because of the great amount of time, effort and expense required to establish an effective schedule, requests for schedule changes after a pre-announced date, and/or during the school year will not be made unless it meets very stringent exceptions. Counselors will review these requests and will make recommendations to the administration for final approval.

The various courses of study offered in Penn Hills High School must be grouped into two broad classifications--Academic and Vocational/Technical. These programs are described in detail in the following pages of this curriculum guide. However, general objectives of these programs are suggested by the following brief analysis. (Please note that the curriculum is subject to revision as noted in the Penn Hills School District's Strategic Plan.)



Core Programs Offered in the Secondary Division

The Academic Curriculum

Our rigorous curriculum prepares students for entrance into college or other post-secondary schools. Students desiring to enter engineering or other math/science fields should pursue this course with emphasis on mathematics and science. Students looking toward a liberal arts program should schedule more foreign language courses. A strong emphasis on lab sciences would be desirable for medical related fields. All students planning for a four-year college program immediately after high school graduation should take at least two years of a foreign language, Algebra I, Geometry and a lab science. Students who plan to attend a community college or another two-year program may follow a less rigorous schedule.

One of the main purposes of a rigorous curriculum is to provide the sequences and distribution of subjects that will meet the credit requirements for admission to colleges and other post-secondary educational institutions. Many colleges require a total of fifteen (15) academic credits, - which must be offered for admission. Therefore, this figure is the minimal requirement for a student to be classified as an academic student in the Penn Hills Senior High School. Requirements for admission to colleges, universities, and post-secondary institutions vary widely.

Prerequisites for individual courses have been provided for consideration. These guidelines have been developed by members of the teaching staff and reflect their professional judgment based on training and experience. Any parent/guardian who opts to enroll his/her child in a course in which he/she is otherwise not "qualified" to take, MUST sign a waiver form that acknowledges the district's lack of support for that particular course selection choice.

The Vocational/Technical Curriculum

The vocational/technical curriculum is designed for those students who wish to follow a program that prepares them with a marketable job skill. Enrollment and placement activities provide equal access to members of all special populations.

The Penn Hills School District provides a vocational/technical education for tenth, eleventh and twelfth grade students who qualify under established admissions requirements through:

Forbes Road Career and Technical Center

Beatty and Cooper Roads
Monroeville, PA 15146
Telephone: (412) 373-8100 or (412) 271-5810
<http://www.forbesroad.org/>

Criteria for admission include average achievement as indicated by school marks, average or above average mental ability on the basis of standardized test data, high aptitude and interest to indicate probable success in the course area selected, and recommendation from member school district.



Core Programs Offered in the Secondary Division

Students from the Penn Hills School District enrolled at Forbes Road CTC spend one-half day at Penn Hills Senior High School where they are required to take English, Social Studies, Science, and Mathematics electives and one-half day at Forbes Road CTC. Additionally, Physical Education will be offered at Forbes Road CTC. These students maintain their identity with Penn Hills Senior High School where they are eligible to participate in school-life activities and, upon successful completion of the total program, to receive a high school diploma. Applications are available in the Counseling Office or by contacting Forbes Road CTC.

For a listing of available programming at Forbes Road Career and Technical Center, please turn to page 59 in the Penn Hills Program of Studies.

9th Grade students interested in a program or programs at FRCTC will have the opportunity to tour three different exploratory programs in January and/or February.



Forbes Road East Career & Technology Center

Increasing numbers of high school technical courses are linked to two-year college degree programs. These programs can give you a head start on college and prepare you for jobs offering some of the greatest career opportunities for the future. Only 20 percent of the jobs in the U.S. require a four-year degree. But 65 percent require education beyond high school. For the foreseeable future, workers with up-to-date skills will be able to call their own shots and assure their own success.

Articulation Agreements

Articulation agreements are available for a variety of post-secondary schools to ensure a seamless transition from high school to a post-secondary school. These agreements allow students to receive FREE COLLEGE CREDIT for work completed in the CTE program. As a result, students will be able to complete Associate Degree course work in less time and/or be able to take more advanced courses.

What is a CTE articulation agreement?

A Career and Technical Education (CTE) Articulation Agreement is an agreement written between two institutions which permits skills and tasks learned at one institution (in this case, Forbes Road Career and Technology Center, which offers the PDE Approved SOAR Program) to be accepted and applied toward a degree or certificate at a postsecondary institution. Statewide articulation occurs when a specific Perkins Allocated Postsecondary Institution agrees to award college credit opportunities to any qualifying graduate of a PDE approved secondary school offering the SOAR Programs of Study across the entire Commonwealth of Pennsylvania, hence a statewide articulation.

For Eligibility Requirements, students must:

- Earn a high school diploma, achieve a minimum 2.5 GPA in the technical courses and complete the secondary school component of the approved PDE Program of Study
- Achieve competent or advanced level on the Secondary School end-of program assessment that is appropriate to the approved PDE Program of Study.
- Achieve proficiency on all of the approved PDE Program of Study Secondary Competency Task List
- Furnish documentation to Postsecondary Institution upon written request

School-to-Work / Opportunities-to-Work

Apprenticeship

This is a one- or two-year secondary program with technical training and a job shadowing experience beginning in the sophomore or junior year. Students begin work-site learning as youth apprentices during the junior and senior years of high school. Following high school graduation, the apprentices will continue training in an adult apprenticeship program or in post-secondary education. During the eleventh and/or twelfth grade, the student will spend three (3) days per week in work-related, applied academic curricula at Forbes Road CTC. Two days per week in the eleventh and/or twelfth grade, each student will work at the site under the supervision of a work-site mentor. During the summer between the junior and senior years, students may continue to work for the companies that sponsor them.



Forbes Road East Career & Technology Center

Cooperative Education

This is a method of instruction of technical education for individuals who, through written cooperative arrangements (Training Program Responsibilities and Training Agreement) between the schools, (Forbes Road CTC and home school), employers, parents, and students receive instruction by integrating academic and technical instruction with job training in their career field. The paid training experiences must be planned and supervised by Forbes Road CTC and employers to enhance the student's education and employability. The Cooperative Vocational Education program is an integral part of the Forbes Road CTC curriculum, which extends the curriculum beyond the walls of the classroom. Community resources are used in exposing the student to the real world of work.

Internship

Through actual work experience, the Internship program at Forbes Road CTC is designed to give the student the "work experience" often demanded by today's employers. The Internship program also will assist the student in bridging the gap between school and work by providing support, counseling, evaluation, and allowing the student to utilize the skills and knowledge gained in the classroom in an actual work environment. Eleventh and twelfth grade students in the technical programs may have the opportunity to be involved with various local employers. The Internship program is a maximum of one semester unpaid work experience while at the work site.

Job Shadowing

Tenth and eleventh grade students spend one to three days at a worksite to gain "inside" information about their chosen career fields. These students experience first-hand, the tools, products, and talents of personnel in the sponsoring business. The students are in-serviced as to what questions to ask about their career field and tips on making the shadowing experience day an eventful one.



Forbes Road East Career & Technology Center

STUDENT ORGANIZATIONS

All students at Forbes Road are required to pay \$20 student organization fee. The \$20 can be paid in cash or earned by fund-raising. Students join the organization that best suits their program needs. Students can participate in one or all of the student organizations once their \$20 is paid.

- **SkillsUSA** is a student organization that is very active here at Forbes. It is the only national student organization solely for students in technical, skilled, and service careers. SkillsUSA is a partnership teachers and industry, working together to ensure America has a skilled work force.
- **FBLA** (Future Business Leaders of America) is the largest business career student organization in the world. Students at Forbes who have an interest in business, computers, public speaking and leadership have a great opportunity to get involved in this student group. Members of FBLA have the opportunity to participate in career development activities, competitions, community service, and leadership conferences. Involvement in FBLA provides students with the chance to develop their business leadership skills and learn new ideas to help shape their careers.
- **TFIM** (The Future is Mine) is a student project group sponsored by The Consortium for Public Education. This organization is a “ready for the real world” initiative committed to encouraging youth to find their passion and pursue their dreams – in an informed way. It is a career exploration student group. TFIM provides opportunities for the student members to combine their dreams with real life experiences that will empower them to make smart decisions concerning future careers and ultimately future success. Students in this organization participate in student projects throughout the year all of which culminate with a student leadership conference where students from 30 + schools meet to share ideas and experience career exploration activities.
- **BAMP** (Builders Association of Metropolitan Pittsburgh) is an organization for the students in the building construction technology areas. This organization provides these students with opportunities to get involved with professionals in the industry and exposes them to hands on experiences they would otherwise not encounter. BAMP professionals visit the classrooms to talk with students and provide opportunities for them to visit work sites and participate in community projects. Student membership in BAMP provides networking opportunities and exposure to real life, hands on experience.



PH Cyber Academy

What is PH Cyber Academy?

The Penn Hills school district has an exciting new opportunity for students interested in an online setting or blended model of learning. The Penn Hills School District is currently partnering with the Allegheny Intermediate Unit & Waterfront Learning to offer Penn Hills students the opportunity to attend a full-time cyber program.

The PH Cyber Academy has opportunities for students in grades 7 - 12. Enrollment is based on an agreement between the school district and the student's family. This program offers children an opportunity to complete schoolwork using online curricula at home, while allowing PH Cyber Academy students the opportunity to participate in extra-curricular activities sponsored by the district. Additionally, each PH Cyber Academy student who completes all program requirements will be awarded a Penn Hills High School diploma upon the successful completion of all requirements and, as well as being eligible to participate in Penn Hills High School Commencement Exercises with their peers. Of note, high school core classes are also NCAA approved classes according to the NCAA Clearinghouse.

Penn Hills Cyber Academy Course offerings are listed by subject area on the following pages. The student, their parent or guardian, school counselors and the PH Cyber Academy Coordinator will work together to create a schedule that meets the student's needs while following the credit and graduation requirements.

For more information or to enroll, please contact:

Amy Kingerski

Cyber Coordinator

412-793-7000 x5311

akinge@phsd.k12.pa.us



NCAA Eligibility Standards

To be eligible as a freshman, a student must be registered with the NCAA Clearinghouse. No student athlete can make an official visit to a university of their choice without being registered and the student must have taken either the SAT or the ACT prior to scheduling a visit.



Core Courses

- NCAA Division I requires 16 core courses as of August 1, 2016. In addition, 10/16 core courses must be completed prior to the senior year. See the chart below for the breakdown of these 16 core-course requirements.
- NCAA Division II requires 16 core courses. See the breakdown of core-course requirements below.

Test Scores

- **Division I** has a sliding scale for test score and grade-point average. The sliding scale for a 2.3 GPA begins at 1080 on the SAT and a 23 on the ACT. For the complete sliding scale please visit the NCAA Eligibility Center Website.
- **Division II** has a minimum SAT score requirement of 820.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, mathematics, reading and science.
- All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

NCAA Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the Eligibility Center's Web site to make certain that courses being taken have been approved as core courses. The Web site is www.ncaaclearinghouse.net.
- **Division I** the minimum GPA is 2.3 with a 1080 SAT or 23 ACT score. The sliding scale is still in effect.
- The **Division II** grade-point-average requirement is a minimum of 2.000.



NCAA Eligibility Standards

DIVISION I

16 Core-Course Rule

4 years of English
3 years of Mathematics (Algebra I or higher.)
1 years of Natural/Physical Science (1 year of lab if offered by high school)
1 year of additional English, Mathematics, or Natural/Physical Science
2 years of Social Science
4 years of additional courses (from area above, foreign language, or non-doctrinal religion/philosophy)
10/16 courses must be completed prior to your senior year

DIVISION II

16 Core-Course Rule

4 years of English
3 years of Mathematics (Algebra I or higher.)
2 years of Natural/Physical Science (1 year of lab if offered by high school)
2 year of additional English, Mathematics, or Natural/Physical Science
2 years of Social Science
3 years of additional courses (from area above, foreign language, or non-doctrinal religion/philosophy)

For more information regarding the rules, please go to www.ncaa.org. Click on “Academics and Athletes” then “Eligibility and Recruiting.” Or visit the Eligibility Center Web site at www.ncaaclearinghouse.net. Please call the NCAA Eligibility Center if you have questions: Toll-free number: 877/262-1492.

The NCAA has approved the following courses for use in establishing the initial eligibility certification status of student athletes from our school. Only students who have received proper NCAA approval for their diagnosed learning disability may receive credit for these approved courses.

Courses designated with a '=' symbol are courses that may be used only by students with a diagnosed disability. Please note, not all high schools will have courses with this designation. Also, in order for a student to receive credit for a course designed for students with disabilities, the student must have provided verification of his/her disability status by presenting to the NCAA Initial Eligibility clearinghouse either: (1) a nonstandard ACT or SAT score; or (2) notice of disability designation by the NCAA Disability Services staff.

NCAA legislation permits a student to receive credit for a core course only one time. As a result, if a student repeats a core course, the student will only receive credit once for the core course, and the highest grade earned in the course will be included in the calculation of the student's core course grade point average. Likewise, if a student completes a course that is duplicative in content with another core course, the student will only receive credit for one of the duplicative courses, and the course with the highest grade earned will be included in the calculation of the student's core course grade point average.



NCAA Eligibility Standards

NCAA Approved Courses

ENGLISH	English I Honors English I English II Honors English II English III English IV AP English Literature AP English Composition Journalism Creative Writing	SCIENCE	Anatomy & Physiology Honors Biology AP Biology Honors Chemistry AP Chemistry Honors Physics AP Physics Science in Engineering
SOCIAL SCIENCE	Civics Honors Civics World History Honors World History US History Modern American History AP US History AP European History AP World History AP Psychology Psychology Societal Law AF-AM/Ethnic Studies Sociology	ADDITIONAL CORE	German I German II German III Spanish I Spanish II Spanish III Spanish IV
MATHEMATICS	Algebra I Geometry Honors Geometry Algebra II Honors Algebra II Trigonometry/Pre-Calculus Honors Trigonometry/Pre-Calculus Intro to Calculus AP Math AB AP Math BC AP Statistics AP Computer Science		



Course Descriptions

The Penn Hills School District reserves the right to limit course selection offerings based on the enrollment and viability of course elections.

Language Arts

English I

F130

Full Year/5 Periods

Grade 9

Credit 1.0

English I is designed to improve student writing through the study of a variety of literature. The students will analyze short stories, poetry, drama, and assorted novels. Ninth grade students will also be exposed to historical and cultural resources, which they will synthesize to draw connections between literature and periodic events. Throughout the year students will develop grammar and writing skills to establish a solid foundation for future courses and communicate effectively through writing. This course is aligned with the standards.

Criteria for Selection – None.

English II

S130

Full Year/5 Periods

Grade 10

Credit 1.0

This course will develop an understanding of World Literature through the reading and analysis of poetry, short stories, essays and plays. This course is designed to improve comprehension, writing, speaking and listening skills. Instruction aligns with the standards and is organized by genre related units.

Criteria for Selection – Successful Completion of English I

Honors English I

F139

Full Year/5 Periods

Grade 9

Credit 1.0

Honors English I is designed to challenge students in the areas of writing and reading through the study of a variety of literature. The students will analyze short stories, poetry, drama, and assorted novels. Ninth grade students will also be exposed to historical and cultural resources, which they will synthesize to draw connections between literature and periodic events. Throughout the year students will develop grammar and writing skills to establish a solid foundation for future courses and communicate effectively through writing. This course is aligned with the standards.

**Criteria for Selection – Successful Completion of English I
Teacher recommendation. ***weighted with additional .5**

Honors English II

S139

Full Year/5 Periods

Grade 10

Credit 1.0

Honors English II is designed to challenge students in the areas of writing and reading through the study of a variety of literature. The students will analyze short stories, poetry, drama, and assorted novels. 10th grade students will also be exposed to classical and cultural resources. Throughout the year students will develop grammar and writing skills to establish a solid foundation for future courses and communicate effectively through writing. This course is aligned with the standards.

**Criteria for Selection – Successful Completion of English I;
Teacher recommendation**

*****weighted course with additional .5 earned**

English III

J130

Full Year/5 Periods

Grade 11

Credit 1.0

This course is aligned will help students understand our American literary heritage through poetry, short stories, essays and plays. The students will demonstrate both written and oral communication skills through expository and critical analysis of various styles of writing in accordance with the standards.

Criteria for Selection – Successful Completion of English II

English IV

G130

Full Year/5 Periods

Grade 12

Credit 1.0

This course provides students with writing experiences needed in preparation for further educational endeavors. It seeks to polish a student's present abilities and develops better understanding of the need for good writing skills. The course offers exercises in exposition, description, narration, and research. Students should be able to construct writings that are coherent, develop ideas with relevant details, and use standard English construction and mechanics. Readings will include poetry, short stories, and plays, as well as selected essays and/or novels. Class discussion and activities will lead to a critical analysis of the literature.

Criteria for Selection – Successful Completion of English III



Course Descriptions

Creative Writing

J160

Half Year/5 Periods

Grade 9, 10

Credit 0.5

Creative Writing is offered to 11th and 12th grade students who wish to explore areas of creative expression. Writing opportunities include, but are not limited to, autobiography, description, narration, and poetry. Students are encouraged to view themselves as artists, to view the world as the raw material of their art, and to view words as the medium of that art. Students are also encouraged to help shape the course according to the interests of their particular class.

Criteria for Selection – “B” in English II & English III

Journalism

F140

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Journalism is a survey course intended to provide the student with the basic writing skills used in the profession. Students are given instruction and practice in writing news stories, feature stories, editorials, and knowledge of current events and media newspaper history. Since Journalism is a general elective open to juniors, and seniors, students should have accomplished basic writing skills and an interest in the field of journalism.

Criteria for Selection – None

Contemporary Global Literature

J180

Half Year/5 Periods

Grade 11, 12

Credit 0.5

This course explores the ideas and perspectives of peoples and cultures that have previously been kept out of the global conversation. Students will respond to and analyze texts produced by and about people from developing nations as well as from parts of our own country in order to broaden their thinking and enrich the way they see the world. All pieces will work together to reveal common themes, which students will use to create a culminating project that displays the array of cultures that we’ve studied.

Criteria for Selection – Completion of English I, II and World History with a minimum of a 70%

AP English Language & Composition



J170

Full Year/5 Periods

Grade 11, 12

Credit 1.0

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

Criteria for Selection – English I & 2; Department Approval

*****Course is weighted with additional 1.0 earned**

AP English Literature



G170

Full Year/5 Periods

Grade 11, 12

Credit 1.0

The Advanced Placement Program, conducted in conjunction with the College Entrance Examination Board that is national in scope, is directed toward providing college-level work in secondary schools for students of outstanding ability. This course includes intensive work in composition and literature. Literature study is structured around both the essential elements of literature and its central concerns. Composition work is mainly concerned with expository writing and critical analysis. Composition and literature are closely related in assignment, class discussion, and supplementary research. A research paper is required. Course content is designed to provide challenging experiences that approximate more of the university environment.

Criteria for Selection – English I & 2; Department Approval

*****Course is weighted with additional 1.0 earned**

English as a Second Language (ESL)

<u>Grade</u>	<u>English</u>	<u>Reading</u>
9	F13E	F14E
10	S13E	S14E
11	J13E	J14E
12	G13E	G14E



Course Descriptions

PH Cyber Academy – Core Equivalents

English I.....	CF13
Honors English I.....	CF19
English II.....	CS13
Honors English II.....	CS19

English III.....	CJ13
Honors English III.....	CJ19
English IV.....	CG13
Honors English IV.....	CG19



Course Descriptions

Social Studies

Civics

F210

Full Year/5 Periods

Grade 9

Credit 1.0

Grade nine social studies class covers our role as citizens including our rights, duties, and responsibilities. Also included is a unit on political parties and the election process. Other units cover the federal government with its 3 branches, their functions, powers, and the make-up of each branch. In addition, both state and local governments will be examined during the course. This class will feature a unit on economics including supply and demand, types of businesses, our role as consumers, and other related topics of our free enterprise system.

Criteria for Selection – None

*****Citizenship Exam is Required**

Honors Civics

F219

Full Year/5 Periods

Grade 9

Credit 1.0

This is a civics course for accelerated learners. Each credit and lesson is enriched with assignments that actively engage learners to use upper level thinking skills. The course moves at an accelerated pace using advanced techniques and teaching methods. Course assessments are measured through accelerated criteria. The topics that are covered in this class include: citizenship, political parties, voting and elections, history of the U.S. government, 3 federal branches of government, state and local government, and the U.S. economy.

Criteria for Selection – “B” in Previous History Course

*****Course is weighted with additional .5 earned**

*****Citizenship Exam is Required**

World History

S210

Full Year/5 Periods

Grade 10

Credit 1.0

This course develops the understanding and appreciation of the cultural patterns of selected world populations, in order to enlarge the students' knowledge of world problems. The topics that are covered in this class include: Ancient Civilizations, the Middle Ages, the European Renaissance, Reformation and Age of Exploration, the Scientific Revolution and European Enlightenment, the Muslim and Chinese Empires, and the Industrial Revolution of the 19th century.

Criteria for Selection – None

Honors World History

S219

Full Year/5 Periods

Grade 10

Credit 1.0

This history course is for accelerated learners. Each credit and lesson is enriched with assignments that actively engage learners to use upper level thinking skills. Course assessments are measured through reading assignments, homework, unit tests, quizzes, and papers. The topics that are covered in this class include: Ancient Civilizations, the Middle Ages, the European Renaissance, Reformation and Age of Exploration, the Scientific Revolution and European Enlightenment of the 17th and 18th centuries, the Muslim and Chinese Empires of the 16th through 18th centuries, the Industrial Revolution of the 19th century, the Second World War and the World today.

Criteria for Selection – “B” in Civics

*****Course is weighted with additional .5 earned**

United States History

J210

Full Year/5 Periods

Grade 11

Credit 1.0

The students will take an in depth look at American History from the causes of the civil war to the growth of the U.S. as an industrial nation to our entrance in WW I and, finally to our role in winning WW II. Students will analyze such topics as equality among races and genders, the political struggle between laissez-faire policies and politics of government action, the growth of our country from its division to becoming a superpower, and all the movements and conflicts along the way.

Criteria for Selection – None

Modern American US History

G210

Half Year/5 Periods

Grade 12

Credit 0.5

This course is an overview of the principal, economic, and global events which have shaped the American experience since World War II. Understanding Modern American History is a necessity in our ever-changing world. This course aims to supply the tools for understanding current political, social and economic problems in the United States by applying historical perspective to analyze contemporary issues.

Criteria for Selection – None



Course Descriptions

African American/Ethnic Studies

J220

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Ethnic Studies will be a general elective open to any junior or senior student. The content of the course will concentrate on the cultural heritage of various ethnic groups and their contributions to American society. Ethnic groups that will be studied are African Americans, Asian Americans, Mexican-Americans, and select nationalities of Europe. Students will learn that American society is composed of many different cultural groups and that every person belongs to a group or groups who maintain a distinctive culture.

Criteria for Selection – Grades 11 & 12 ONLY

Sociology

J230

Half Year/5 Periods

Grade 11,12

Credit 0.5

Sociology is the study of group behavior. The course will be an introduction of the fundamental theories that created the discipline of sociology. There will also be many discussions and assignments on how these theories affect modern society. Students with an interest in exploring a career in some type of social service-related field are encouraged to elect this course.

Criteria for Selection – Grades 11 & 12 ONLY

Psychology

J260

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Psychology has two goals: the preparation for college-bound students in the names and theories they are likely to encounter in a freshman-required course and discussing practical information on the human life-cycle (Developmental Theory). Units covered are: The Brain and Senses, Learning Theory, Memory, Human Development, and Personality Theory. Grades are based on in-class activities and exams.

Criteria for Selection – Grades 11 & 12 ONLY

Societal Law

J280

Half Year/5 Periods

Grade 11,12

Credit 0.5

Societal Law is a course designed to give eleventh and twelfth grade students a basic knowledge of law that could be of practical use to them in their everyday life. The students will be introduced to the law and the legal system, and then they will study Criminal/Juvenile Justice, Family Law and Tort Law. Through a variety of activities, such as problem solving, case studies, role-plays, and mock trials, students will be made aware of current issues and controversies relating to law and the legal system.

Criteria for Selection – Grades 11 & 12 ONLY

AP World History

S320

Full Year/5 Periods

Grade 10

Credit 1.0

Advanced Placement World History is a college-level course designed to challenge those who enjoy studying history and writing. This course includes writing and study methods that will prepare students for college. A chronological and thematic approach to World History (8000 B.C. to the present) will be employed, with emphasis placed on historical interpretation and analysis of various key events, persons, and civilizations and their importance to the periods and themes of World History. Students will use a textbook, interpretations from prominent historians and primary and secondary sources to accomplish this.

Criteria for Selection – Honors Civics; Department Approval

*****Course is weighted with additional 1.0 earned**



Course Descriptions

AP US History

Full Year/5 Periods

Grade 11, 12



J300

Credit 1.0

Advanced Placement United States History is a college-level course. The assigned readings are found in widely used books in American Colleges and Universities. The writing assignments and study methods have been chosen to prepare students to do excellent work in college.

A chronological approach to the study of United States History is employed. Major emphasis is placed on studying the different interpretations of the great historical issues. The writings and speeches of participants as well as the explanation offered by several prominent historians make up most of the reading assignments.

Students enrolled in this course are strongly encouraged to complete the Advanced Placement Examination in May. This test consists of Multiple Choice, Free Response Essays, and a Document Based Question constructed and scored by the College Board and Educational Testing Services. These are also the formats of testing for the course itself, in addition to homework and quizzes. A strong score on the exam in May can lead to college credit in most instances for introduction history courses required by many universities and colleges.

Criteria for Selection – World Cultures; Department Approval*Course is weighted with additional 1.0 earned**

AP European History

Full Year/5 Periods

Grade 12

G300

Credit 1.0

This course is offered only to seniors after being nominated by their junior year social studies teacher(s). It is a college-level course designed to challenge those who enjoy studying history and who are good writers as well. The time period covered consists of the Renaissance to the present day. Students are issued not only a textbook but are also required to read primary and secondary sources.

Students enrolled in this course are strongly encouraged to complete the Advanced Placement Examination in May. This test consists of Multiple Choice, Free Response Essays, and a Document Based Question constructed and scored by the College Board and Educational Testing Services. These are also the formats of testing for the course itself, in addition to homework and quizzes. A strong score on the exam in May can lead to college credit in most instances for introduction history courses required by many universities and colleges.

Criteria for Selection – Grade 12; Department Approval*Course is weighted with additional 1.0 earned**

AP Psychology

Full Year/5 Periods

Grade 11, 12



G320

Credit 1.0

Advanced Placement Psychology course is a full-year course offered to students who want to take both Psychology I and II in the same year AND at an accelerated pace. The course will cover the curriculum of both Psychology I and II, as well as additional units. The course will specifically prepare students to take the College Board's exam in May. Students who perform well on the College Board's exam may be able to receive college credit for this program. Students who enroll for this course should be Advanced or Proficient in previous Reading Assessments.

Criteria for Selection – Department Approval

*****Course is weighted with additional 1.0 earned**

Criminology

Half Year/5 Periods

Grade 11, 12

C021

Credit 0.5

Students in this course will study the field of criminology—the study of crime. Students will examine the possible explanations for crime from the standpoint of psychological, biological, and sociological perspectives, and explore categories and social consequences of crime. In other words, why do some individuals commit crimes others do not? This course is ideal for those who may be interested in all fields of criminology.

Criteria for Selection – Grades 11 & 12 ONLY

World Religions: Exploring Diversity

Half Year/5 Periods

Grade 11, 12

C024

Credit 0.5

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the religions that have played a role in history, including Buddhism, Christianity, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationship with social institutions and culture. Students will also examine similarities and differences among the religions and explore the influences they have in the past and today.

Criteria for Selection – Grades 11 & 12 ONLY



Course Descriptions

PH Cyber Academy – Core Equivalents

Civics.....	CF21
World History.....	CS21
Honors World History.....	CS29
US History.....	CJ21

PH Cyber Academy – Electives

African-American History (.5 credit).....	C029
Criminology (.5 credit).....	C021
Modern American US History (.5 credit).....	CG21
Psychology (1 credit).....	C028
Sociology (.5 credit).....	C025
World Religions (.5 credit).....	C024



Course Descriptions

Mathematics

Algebra I

7050

Full Year/5 Periods

Grade 9

Credit 1.0

This course provides the learner with a wide scope of algebraic concepts. It uses statistics and geometry as settings for work with linear expressions, equations, and sentences. Probability provides a context for algebraic fractions, functions, and set ideas. Applications motivate all topics and include quadratic modeling, exponential growth and compound interest. The course introduces linear functions and graphing relations.

Criteria for Selection – None

Geometry

8060

Full Year/5 Periods

Grade 9, 10

Credit 1.0

This course presents coordinates, transformations, measurement formulas, and three-dimensional figures. Content includes points, lines, angles, reflections, polygons, transformations, triangles, formulas, three dimensional figures, areas and volumes, coordinate geometry, similarity and logic. All of these topics are built upon a student's successful understanding of Algebraic concepts and apply many of these concepts in real-life settings.

Criteria for Selection – Completion of Algebra I

Honors Geometry

8069

Full Year/5 Periods

Grade 9, 10

Credit 1.0

This course is primarily offered for students who have successfully completed Algebra I in the 8th grade and wish to continue on this academic math track. The structure and design is similar in nature to regular Geometry, but more emphasis is placed on in-depth discussions, problems, and projects as per the teacher's discretion. Concentrated work with proof writing is developed throughout the course, following a carefully sequenced development of the logical and conceptual precursors of proof. Investigations using Geometer's Sketchpad are used to highlight the dynamic nature of Geometry and to investigate geometric concepts.

Criteria for Selection – "C" average in Algebra I

*****Course is weighted with additional .5 earned**

Algebra II

F070

Full Year/5 Periods

Grade 10, 11, 12

Credit 1.0

This course emphasizes facility with algebraic expressions and forms, especially linear and quadratic forms, powers and roots, and functions based on these concepts. Students study logarithmic, trigonometric, polynomial, and other special functions both for their abstract properties and as tools for modeling real-world situations. Geometric ideas are utilized throughout the course as are operations involving matrices.

Criteria for Selection – Completion of Algebra I & Geometry

Honors Algebra II

F079

Full Year/5 Periods

Grade 9, 10

Credit 1.0

This course is primarily offered for students who have successfully completed Geometry in the 9th grade and wish to continue on this academic math track. The structure and design is similar in nature to regular Algebra II with more enrichment and in-depth discussions, problems, and projects as per the teacher's discretion.

Criteria for Selection – "C" or better in Geometry is required

*****Course is weighted with additional .5 earned**

Statistics

J080

Full Year/5 Periods

Grade 11, 12

Credit 1.0

This course was designed to help students master the basic principles of statistics to understand variability in data and apply these concepts to understand probability and improve ability in making informed decisions. The first semester is an introduction to the collection, representation, and interpretation of data. Students then explore topics of probability, including experimental and theoretical probability, permutations, combinations, independent and dependent events, standard deviation, and normal and binomial distribution. As students study, they develop their skills in analysis and critical thinking as they apply these principles to a variety of real world scenarios. **Criteria for Selection – Completion of Algebra II**



Course Descriptions

Trigonometry & Pre-Calculus S080

Full Year/5 Periods

Grade 10, 11, 12

Credit 1.0

Integrates geometric and algebraic concepts and previews calculus in work with functions and intuitive notions of limits in this college prep course. Graphing calculators are used for plotting functions, and simulating experiments. The trigonometric concepts with trigonometry and functions.

Criteria for Selection – “C” or better in Algebra II

Honors Trigonometry & Pre-Calculus S089

Full Year/5 Periods

Grade 10, 11

Credit 1.0

This course is primarily offered for students who have successfully completed Algebra II in 9th or 10th grade and wish to continue on this academic math track. The structure and design are similar in nature to trigonometry and pre-calculus with more enrichment.

Criteria for Selection – “C” or better in Honors Algebra II

*****Course is weighted with additional .5 earned**

AP Calculus (AB) J090

AP Calculus (BC)

Full Year/5 Periods

Grade 11, 12



G090

Credit 1.0

The Advanced Placement Program, an activity of the College Entrance Examination Board that is national in scope, is directed toward providing college level work in secondary schools for students of outstanding ability. This program is basically concerned with analytic geometry and calculus. Students enrolled in this course will have the opportunity to attend a series of three Saturday study sessions sponsored by the National Math and Science Initiative to help prepare for the Advanced Placement exam.

Criteria for Selection – Algebra II; Trig/Pre-Calculus

*****Course is weighted with additional 1.0 earned**

Intro to Calculus

J050

Full Year/5 Periods

Grade 11, 12

Credit 1.0

A course in the calculus of one variable including limits; differentiation; maxima and minima, and the chain rule for polynomials, rational functions, trigonometric functions, and exponential functions. Introduction of integration with applications to area.

Criteria for Selection – Trig/Pre Calc.

AP Statistics



J070

Full Year/5 Periods

Grade 11, 12

Credit 1.0

This is a college level statistics course. Students will learn how to collect and describe data and use this data with probabilities to answer questions about the larger world. Trigonometry and Calculus knowledge is not required, though students should have strong Algebra skills. Students will be expected to complete college level assignments, projects and exams. Students enrolled in this course are expected to take the Advanced Placement exam at the end of the school year.

Criteria for Selection – Department Approval

*****Course is weighted with additional 1.0 earned**

AP Computer Science Principles

J060

Full Year/5 Periods

Grades 10, 11, 12

Credit 1.0

This class counts as your math credit for the year. Students learn the basic concepts of modern computer science: how binary works, how the Internet works, how to code an app using the JavaScript programming language, and more. No previous coding experience is necessary to take this course!

Criteria for Selection – Department Approval is required

*****Course is weighted with additional 1.0 credit earned**

PH Cyber Academy – Core Equivalents

Algebra I.....C705

Geometry.....C806



Course Descriptions

Honors Geometry.....	C869
Algebra II	CF70
Honors Algebra II	CF79
Trig/Pre-Calculus.....	CS07
Honors Trig/Pre-Calculus.....	CS09
Statistics.....	CS08



Course Descriptions

Science

Life Science

F300

Full Year/5 Periods

Grade 9

Credit 1.0

The life science curriculum focuses on an understanding of environmental issues, change, cycles, patterns, and relationships in the living world. Students will build on these basic principles by exploring the cellular organization and classification of organisms; relationships among organisms within the environment and change as a result of genetic information. Experimental inquiry, math, content specific reading, writing, and technology skills are integrated into the curriculum.

Criteria for Selection – None

Honors Biology

F349

Full Year/5 Periods + Lab

Grade 9, 10

Credit 1.0

Honors biology is an accelerated course designed for the capable ninth grade student with an interest in science. Cell structure and function, biochemistry, bacteria and viruses, photosynthesis, environment, and ecology are some of the topics of study. Laboratory work emphasizing the scientific method is an important part of the course.

Criteria for Selection – “B” in Science and Algebra I

*****Course is weighted with additional .5 earned**

Chemistry

S330

Full Year/5 Periods

Grade 10, 11

Credit 1.0

This course is a general study class designed to explore the structure and function of matter and energy. Content will be delivered through lecture/discussion, use of technology and a variety of relevant, inquiry-based experiences.

Criteria for Selection – Successful completion of Biology

Honors Chemistry

S349

Full Year/5 Periods + Lab

Grade 10, 11

Credit 1.0

This course is designed for college bound students who are planning to study in a science or science-math related field. It is required for students planning to take AP Chemistry. Chemistry topics such as atomic structure, stoichiometry, periodicity, gas laws, chemical nomenclature, heat problems, and acids/bases will be introduced. Problem solving and laboratory experimentation are emphasized throughout the year. Homework is assigned on a daily basis.

Criteria for Selection – “B” in Algebra I and “C” in Honors Biology or “A” in Biology

*****Course is weighted with additional .5 earned**

Health Related Science

J380

Full Year/5 Periods

Grade 11, 12

Credit 1.0

This is a practical science course that explores common conditions, preventative measures and careers in the health field. Topics such as diabetes, blood product donation, pregnancy, STD’s, cardiovascular disease, Alzheimer’s, respiratory illness such as (Asthma, Bronchitis, and Pneumonia), various cancers and available screenings will also be covered. The students are taught to view the health care system as consumers as well as potential health care professionals.

Criteria for Selection –Biology and Chemistry

Physics

J340

Full Year/5 Periods

Grade 11, 12

Credit 1.0

Students in this course will learn how our world can be described by physical principles and analyzed using mathematics. Topics include motion, Newton’s Laws, energy, momentum, and electricity. Emphasis will be placed on the refinement of math and study skills necessary for success in college. Students should possess strong Algebra skills.

Criteria for Selection – “B” in Chem. or “C” in Honors Chem. and “B” in Geometry or “C” in Algebra II; Students must be in Algebra II or higher



Course Descriptions

Honors Physics

J349

Full Year/5 Periods + Lab

Grade 11, 12

Credit 1.0

Honors Physics is a course designed for the student who intends to pursue studies in the sciences, mathematics, computer science, engineering, medicine, or architecture at the collegiate level. All of the factual knowledge necessary to provide the proper background for college physics is presented. Emphasis is placed on the development of critical thinking procedures. Problems are presented that cannot be solved by simple substitution into formulas. In many cases, the student must take what was learned and apply it to a new situation. The mathematical aspects of physics are stressed. The objective of this course is to prepare the student to go into any introductory college physics class with the proper foundation of knowledge and study skills.

Criteria for Selection – Minimum high “C” or low “B” in Honors Chem. and in previous math courses; Must be enrolled in Trig (or have completed the course)

*****Course is weighted with additional .5 earned**

Science in Engineering

J350

Full Year/5 Periods

Grade 11, 12

Credit 1.0

Students will be introduced to the basic ideas and concepts of engineering through science. The focus of the course is to expose students to design, process, research and analysis, use of technology, creative thinking, teamwork and communication. Students will apply basic engineering concepts through the content of Materials Science Engineering in a project-based learning environment.

Criteria for Selection – “C” in Honors Chemistry

Human Anatomy and Physiology

J370

Full Year/5 Periods

Grade 11, 12

Credit 1.0

Human Anatomy and Physiology is a higher-level science course that surveys the structures and coordinated functions of the human body. A college text and outside readings are used to increase the understanding of the human body and is strongly recommended for those students entering a medical career. However, students not planning on a career in the medical field may still benefit from taking Human Anatomy and Physiology. Besides the many advantages of learning about the human body, many colleges and universities look favorably upon students who have elected to take higher-level science courses.

Criteria for Selection – “C” in Chemistry

Lab Assistant (Biology)

G379

Full Year/3 Days of 6 Day Rotation

Grade 12

No Credit

Criteria for Selection – Teacher Signature Required

Lab Assistant (Chemistry)

G389

Full Year/3 Days of 6 Day Rotation

Grade 12

No Credit

Criteria for Selection – Teacher Signature Required

Lab Assistant (Physics)

G399

Full Year/3 Days of 6 Day Rotation

Grade 12

No Credit

Criteria for Selection – Teacher Signature Required

Advanced Placement Biology



G370

Full Year/5 Periods + Lab

Grade 11, 12

Credit 1.0

AP Biology is a college level, introductory biology course taken by biology majors in their freshman year. The rigorous laboratory work is designed to be as in depth as that performed in college biology laboratories. The course covers topics such as nature and chemistry of biological molecules and cells, concepts of heredity and evolution, the diversities of structures and functions of various organisms besides an understanding of principles and concerns in ecology. To show successful completion of the course, students will take the AP Biology exam in May.

Criteria for Selection – “B” in Honors Biology and Chemistry

*****Course is weighted with additional 1.0 earned**

Advanced Placement Chemistry



G380

Full Year/5 Periods + Lab

Grade 11, 12

Credit 1.0

AP Chemistry is a college level chemistry course. AP Chemistry will prepare students to think critically, solve problems, and design experiments to support scientific principles. Students will acquire a great deal of knowledge of fundamental concepts in diverse areas of chemistry, the central science. To show successful completion of the course, students will take the AP Chemistry exam in May.

Criteria for Selection – “B” in Geometry and Hon Chemistry

*****Course is weighted with additional 1.0 earned**



Course Descriptions

Advanced Placement Physics I

Full Year/5 Periods + Lab

Grade 12



G390

Credit 1.0

This course is equivalent to a first semester college course in physics. Curriculum and pacing are set by The College Board. Students will develop critical thinking and reasoning skills while cultivating their understanding of physics and science practices. The class is student-centered and laboratory experiments are inquiry-based. Students must possess strong mathematics skills and academic habits. To show successful completion of the course, students will take the AP Physics exam in May.

Criteria for selection – “B” in Hon Chemistry, Trigonometry

*****Course is weighted with additional 1.0 earned**

Medical Terminology

C040

Half Year/5 Periods

Grade 11, 12

Credit 0.5

This course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course teaches students vocabulary appropriate to health care settings, medical procedures, pharmacy, and pathology. The knowledge gained in this course provides an understanding of the language used in health and medicine. This course is ideal for students interested in medical billing, nursing, pre-medical studies, pharmacy, and the sciences.

Criteria for Selection – Grades 11 & 12 ONLY

Forensic Science

C035

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Fingerprints, blood spatter, DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from science to better understand the crimes that are committed and to catch those individuals responsible for the crimes. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation. It starts with how clues and data are recorded and preserved and how various elements are analyzed and processed.

Criteria for Selection – Grades 11 & 12 ONLY

Veterinary Science

C039

Half Year/5 Periods

Grade 11, 12

Credit 0.5

This course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals that live in our homes, on our farms, and in our zoos, but at times us as human beings, too. Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

Criteria for Selection – Grades 11 & 12 ONLY

Intro to Health Science I

C037

Half Year/5 Periods

Grade 11, 12

Credit 0.5

This course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

Criteria for Selection – Grades 11 & 12 ONLY

PH Cyber Academy – Core Equivalent

Life Science.....	CF30
Honors Biology.....	CF39
Chemistry	CS33
Honors Chemistry.....	CS39
Physics.....	CJ33

PH Cyber Academy – Electives

Forensic Science I (.5 credit).....	C035
Intro to Health Science I (.5 credit).....	C037
Medical Terminology (.5 credit).....	C040



Course Descriptions

World Languages

Spanish I 8430

Full Year/5 Periods

Grade 9, 10, 11, 12 Credit 1.0

Spanish I is an introductory course designed to promote the ability to speak, write, read and understand the Spanish language. In this introductory experience, students acquire skills in pronunciation, voice intonation, and phonetics. In addition, vocabulary expansion, comprehension, and present tense verb conjugation are emphasized. Students also gain a cultural awareness of those countries where Spanish is spoken. Both writing and conversation are stressed.

Criteria for Selection – “C” in English

Spanish II F430

Full Year/5 Periods

Grade 10, 11, 12 Credit 1.0

This course provides an integrated approach that allows the student to use the vocabulary creatively. Context and vocabulary are selected from real life situations so that the students can relate to the material. Grammar is presented as a means for effective communication, not in isolation. Pedagogical techniques vary to develop all four skills and introduce culture. These include readings of authentic texts, listening and responding to native speakers on tape, cooperative learning techniques for the development of communicative activities on a variety of topics, and structured themes to encourage creative writing within appropriate skill levels.

Criteria for Selection – “C” in Spanish I

Spanish III S430

Full Year/5 Periods

Grade 10, 11, 12 Credit 1.0

This course is designed to enhance and develop the same skills introduced in the primary levels. It recycles previously learned material while it introduces new grammatical structures and vocabulary patterns. The student is required to be an active participant in language learning. The goal of the Spanish III student is to become an effective communicator while bridging the gap to the more advanced levels.

Criteria for Selection – “C” in Spanish I and II

Spanish IV J430

Full Year/5 Periods

Grade 11, 12 Credit 1.0

The goal of Spanish IV is to integrate the four language skills of listening, speaking, reading and writing for development of a global ability to communicate. This is combined with an understanding of the culture. Included are: vocabulary expansion, many activities to increase oral and written proficiency, grammatical structures, authentic reading texts, taped material for listening comprehension, and open-ended play conversations.

Criteria for Selection – “C” in Spanish I, II, & III

German I 8450

Full Year/5 Periods

Grade 9, 10, 11, 12 Credit 1.0

This course assumes that students arrive with no prior knowledge of German. The first semester focuses on student’s hobbies and interests, with the goal of building a base vocabulary. The second semester will focus on reading short stories and creating short stories of their own. The teacher will use storytelling, personalized questioning, texts/novels as well as modern songs to make the language understandable for students. Students must develop and use excellent listening skills and will find themselves “thinking” and speaking German.

Criteria for Selection – “C” in English

German II F450

Full Year/5 Periods

Grade 10, 11, 12 Credit 1.0

The objective of this course is to help you acquire a higher level of listening, speaking, reading and writing the German language and exposure to the German culture. You will be acquiring German by hearing it spoken and using it in contexts that you understand. Students will be active through reading, responding to questions, acting, drawing, and writing. The teacher will use storytelling, personalized questioning, texts/novels as well as modern songs to make the language understandable for students. Students must develop and use excellent listening skills and will find themselves “thinking” and speaking German.

Criteria for Selection – “C” in German I



Course Descriptions

German III

S450

Full Year/5 Periods

Grade 11, 12

Credit 1.0

The objective of this course is to help you acquire a higher level of listening, speaking, reading and writing the German language and exposure to the German culture. You will be acquiring German by hearing it spoken and using it in contexts that you understand. Students will be active through reading, responding to questions, acting, drawing, and writing. The teacher will use storytelling, personalized questioning, texts/novels as well as listening skills and will find themselves “thinking” and speaking German.

Criteria for Selection – “C” in German II

Chinese I

C844

Full Year/5 Periods

Grade 9, 10, 11, 12

Credit 1.0

High school students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

Criteria for Selection – “C” or better in Middle School

Chinese Course

Chinese II

CF44

Full Year/5 Periods

Grade 10, 11, 12

Credit 1.0

Students in high school continue their introduction to Chinese in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading and writing. Each unit consists of an ongoing adventure story a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

Criteria for Selection – “C” or better in Chinese I

PH Cyber Academy – Electives

Spanish I (1 credit).....C843

Spanish II (1 credit).....CF43

Spanish III (1 credit).....CS43

German I (1 credit).....C845

German II (1 credit).....CF45

Chinese I (1 credit).....C844

Chinese II (1 credit).....CF44



Course Descriptions

Art Department

Art I F670

Half Year/5 Periods
Grade 9, 10 *Credit 0.5*

Art I is a required course for all other art courses. Students will develop the fundamental skills needed for a solid foundation in the visual arts. The Elements of Art and the Principles of Design will be introduced through the exciting exploration of various 2-D media and techniques. Drawing and shading techniques, color pencils, markers, painting and the study of perspective skills will be emphasized. The structure of the class will consist of guided exercises, class projects and group discussions. All levels of artistic abilities are welcome.

Criteria for Selection – None

Art II S670

Half Year/5 Periods
Grade 10, 11, 12 *Credit 0.5*

Art II students will continue to develop their observation and accuracy skills as they progress through a variety of classroom assignments. Students will continue to develop compositional understanding by applying the Elements of Art and the Principles of Design to their sketches/drawings. Drawing and shading techniques, color pencils, etching, painting and abstraction will be emphasized. A variety of artists will be studied as students discover how they are relevant in art history and to the individual student's work.

Criteria for Selection – "C" or higher in Art I

Sculpture F6890

Half Year/5 Periods
Grade 10, 11, 12 *Credit 0.5*

This course introduces basic sculpture techniques, such as carving, casting, and modeling, with emphasis on understanding issues of line, plane, shape, and volume. Plaster, metal, clay, and wood are utilized to help the student understand the form and content of sculpture.

Criteria for Selection – "C" or higher in Art I

Advanced Art J670

Half Year/5 Periods
Grade 10, 11, 12 *Credit 0.5*

Students will explore the various techniques used in preparing for and creating acrylic paintings. Color theory is reviewed and emphasized in all aspects of this course so that students continue to reflect upon how various colors are made and how they relate to one another in a visual composition. Students will use their knowledge of the Elements of Art and the Principles of Design style. Students will be introduced to various new drawing techniques that will include conte crayon, ink, charcoal and pastels. Painting techniques will include acrylics on canvas, tempera and watercolor. Artwork will vary on a personal level from abstraction to realistic works. Historical and contemporary painters work will be explored to examine individual development, style, technique and problem-solving approaches. This course is intended to be an excellent introduction to students planning on enrolling in AP Studio Art.

Criteria for Selection – "C" or higher in Art I & II

AP Studio Art G670

Full Year/5 Periods
Grade 12 *Credit 1.0*

AP Studio Art is a year-long commitment. Students are required by the AP College Board to complete 24 assignments beginning with 3 "Summer Assignments." AP Studio Art is designed only for students who are seriously interested in the practical experience of art. Students will submit in depth portfolios for evaluation at the end of the school year. The instructional goals of the AP Studio Art program can be described as follows: Encourage creativity as well as systematic investigation of formal and conceptual issues. AP Studio Art addresses three major concerns required by the AP College Board: 1) A sense of Quality in the student's work; 2) The student's Concentration on a particular visual interest or problem; and 3) The student's need for Breadth of experience in the formal, technical and expressive means of the artist. The Concentration portion of the course requires students to create 12 original artworks that have a common theme.

Criteria for Selection – "B" in Art I, II, & III

*****Course is weighted with additional 1.0 earned**



Course Descriptions

Ceramics

J710

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Ceramics I is an introduction to the media of clay, where students will use various hand building methods such as pinch, coil, slab and drape to learn the capacities and limitations of clay, and incorporate design principles into functional and decorative works of art. Students will explore the decorative surface qualities of clay through the use of pressed, incised, applied images and through the use of glazes. Students will be required to work independently as well as complete required assignments.

Criteria for Selection – None

Intro to Art

C072

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, students also explore the following: prehistoric art, art in ancient civilizations, and world art before 1400.

Criteria for Selection – None

Art History

C073

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students will cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-century nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

Criteria for Selection – None

PH Cyber Academy – Electives

Intro to Art (.5 credit).....C072

Art History (.5 credit).....C073



Course Descriptions

Music Department

Please note: *Band, Orchestra, Show Choir, Concert Choir and Cantabile are performance-oriented courses. All students are expected to make arrangements to fulfill the scheduled performances. A major portion of the student's grade will be based on attendance at these performances.*

Band **F460**
Full Year/5 Periods
Grade 9, 10, 11, 12 **Credit 1.0**

Provides the opportunity for the study of more advanced literature for the marching and concert band. Prepares for participation in assembly programs, half-time performances at football games, festivals, competitions, parades, and concerts. This course will also prepare students to continue their instrumental playing at the college level.

Criteria for Selection – Performance ability on an instrument

Orchestra **F470**
Full Year/5 Periods
Grade 9, 10, 11, 12 **Credit 1.0**

This course is designed to study the best orchestra and/or small ensemble literature within the capabilities of the members. The class is also meant to satisfy personal objectives through group participation in worthwhile musical activities. Emphasis is given to improving individual skills and to preparing the orchestra or small ensemble to participate in assembly programs, incidental music performances or dramatic productions as well as other special programs.

Criteria for Selection – Performance ability on orchestra instrument

Show Choir **F480**
Full Year/5 Periods
Grade 9, 10, 11, 12 **Credit 1.0**

This course includes the study of proper vocal techniques as well as a variety of vocal styles. The course requires students to have or be able to develop dance/movement skills to enable them to properly choreograph selections included for performances. The music will generally consist of secular, sacred and popular music.

Criteria for Selection – Audition

Concert Choir **F530**
Full Year/5 Periods
Grade 9, 10, 11, 12 **Credit 1.0**

This course includes the study of proper vocal techniques as well as a variety of vocal styles. The music will consist entirely of secular, sacred and popular music. Most pieces will have accompaniment with piano and/or other instrumental ensembles. This ensemble will generally present their concerts in traditional concert choir settings.

Criteria for Selection – None (audition recommended)

Cantabile Choir **F540**
Full Year/5 Periods
Grade 9, 10, 11, 12 **Credit 1.0**

This advanced singing course includes the study of proper vocal technique as well as a variety of vocal styles. Students will also study music in relation to other subjects, history and culture. The music will consist entirely of secular, sacred and popular pieces.

Criteria for Selection – Audition

Piano Lab **F500**
Half Year/5 Periods
Grade 9, 10, 11, 12 **Credit 0.5**

Students will develop an appreciation for music through musical keyboard performance. They will have a hands-on experience in the keyboard lab. Students will learn to read and notate music, know the musical notes of the staff and relate them to the keyboard, and be able to play a simple song with two hands.

Criteria for Selection – None

Guitar Lab **F560**
Half Year/5 Periods
Grade 9, 10, 11, 12 **Credit 0.5**

Guitar Lab provides an introduction to playing chords and reading music on acoustic guitar with an emphasis on practice and rehearsal skills through which students can eventually learn to play on their own. This class is for beginners only who have a desire to learn to play the instrument.

Criteria for Selection – None



Course Descriptions

Music Appreciation

C051

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twenty-First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

Criteria for Selection – None

Music Theater

F510

Half Year/5 Periods

Grade 9, 10, 11, 12

Credit 0.5

Students receive training in singing, dancing, and performance technique. Students will develop skills to work with lighting and stage sets through working on traditional and modern musical theater material. Work in voice production and projection, physicality, acting skills, choreography, stage presence and more will be introduced.

Criteria for Selection – None

PH Cyber Academy – Electives

Music Appreciation (.5 credit).....C051



Course Descriptions

Family and Consumer Science

On Your Own

J780

Half Year/5 Periods

Grade 11, 12

Credit 0.5

This course is designed to prepare students to live on their own as they enter college, technical school or the work force. Each unit will teach a different aspect of independent living. Units include finding a career, housing, buying & maintaining a car, clothing care, smart shopping, insurance, and cooking on a budget. Money management and budgets will be reoccurring themes.

Criteria for Selection – None

Child Development

S760

Half Year/5 Periods

Grade 11, 12

Credit 0.5

The students will be able to explore child development beginning with conception continuing through kindergarten age. They will explore parenting techniques and investigate how families and environmental influence can affect a child's development. Students will learn about the intellectual, social, emotional, and physical development of infants, toddlers, and preschoolers through hands on projects and various experiences and readings. Students will get to work firsthand with the preschool program at the high school.

Criteria for Selection – None

Penn Hills Way

F601

Quarter Year/5 Periods

Grade 9

Credit 0.25

This course is designed to help you grow into a more responsible and productive member of society. Students will use the Penn Hills Way: Respect, Responsibility, Pride and Success, the book "7 Habits of Highly Effective Teens", and other resources. Students will discuss career awareness and preparation, acquisition, retention, advancement, and entrepreneurship. Student Role Models will implement lessons and will assist students during the class.

Criteria for Selection – None

Foods for You

G601

Quarter Year/5 Periods

Grade 12

Credit 0.25

This nine-week course is designed to explore the six essential nutrients and how to incorporate them into a healthy diet. We will combine the study of basic kitchen skills, kitchen techniques, and nutrition in the preparation of a variety of foods.

Criteria for Selection – None

Interior Design

S770

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

This course covers the basic skill needed to someday tastefully design and furnish a home. We will focus on the elements and principles of design. Exploring your creativity and hands-on projects are a common occurrence. Studying home origins, the use of window treatments, the history of furnishings, and how lighting can change the atmosphere are many of the topics we will cover. We will create projects that may enhance the beauty of a home economically. Experience with a sewing machine is helpful but not necessary.

Criteria for Selection – None

History of Education S730

Half Year/5 Periods

Grade 10

Credit 0.5

This CAREER CLUSTER course is an introduction to the main periods, persons, and themes in American *educational history* from the 1770s to the present. It will also provide in-depth investigation into recent "hot topics" in education and around the globe. This course will conclude with an exploration of careers in education, college degree requirements, certification requirements and job opportunities in the year 2024 and beyond.

Criteria for Selection – Specific interest in pursuing a teaching career.



Course Descriptions

Early Childhood Education

C061

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Want to have an impact on the most important years of human development? Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Criteria for Selection – None

PH Cyber Academy – Electives

Career-Future Ready (through Xello).....C066



Course Descriptions

Technology/Business

Robotics I: Intro to Robotic Engineering F810

Half Year/5 Periods

Grade 9, 10, 11

Credit 0.5

Discover engineering, science, technology and math by designing, building and programming unique robots. Have you ever thought about building and programming a robot? Well, now you can. In this introductory course, you will build, design and program small robots using motors, sensors and a wireless controller. You will learn how to program these robots to move, turn, sense the environment, patrol the room, measure objects, communicate with other robots and much more...

Criteria for Selection – “C” in Algebra I

Robotics II: Robotic Engineering S810

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Learn how to design solutions to real world problems using robotic engineering. In this class, you will design and build unique robots to solve problems. You will learn advanced concepts of robotics sensors and NXT programming. Along with design and programming, we will discuss current issues and pop-culture in the robotics field.

Criteria for Selection – “C” in Algebra I & Robotics I

3D Modeling F800

Half Year/5 Periods

Grade 9, 10, 11

Credit 0.5

3D modeling is a computer-based class where students learn how to create three-dimensional shapes on industry standard software with a focus on mechanical and artistic design. This class refines techniques used in industrial arts, which students use to create various projects leading up to and including 3D printed structures.

Criteria for Selection – None

Intro to Engineering S800

Half Year/5 Periods

Grade 9, 10, 11, 12

Credit 0.5

Intro to Engineering is entirely project based and stresses the importance of the linear design process as it applies to various engineering challenges. 3D modeling software and 3D printers are utilized to create prototypes, test solutions and assess feasibility of student designs.

Criteria for Selection – 3D Modeling

Advanced Engineering J800

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Advanced Engineering is a course where students will use the skills they learned in Intro to Engineering to complete more complex design problems and challenges. Students will develop solutions to real-world problems and assess the results of their solutions. Additional fabrication tools will be introduced to enable production of higher-level prototypes.

Criteria for Selection – Intro to Engineering

Esports S970

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Learn about the Esports industry and the history of video games. Students build, upgrade and maintain gaming PCs to use in class. Students create gaming events and competitions for the school. Students will also strategize, practice and play a variety of games while creating content for the internet (videos and written reviews, tutorials and more).

Criteria for Selection – None

STEM Coding I F830

Half Year/5 Periods

Grade 9, 10, 11, 12

Credit 0.5

Students learn how to write code in the Python programming language. The class focuses on using code to generate graphics and animations. Students are introduced to video game programming.

Criteria for Selection – None



Course Descriptions

STEM Coding II **S830**

Full Year/5 Periods

Grade 10, 11, 12

Credit 1.0

Students learn more advanced coding concepts. The class takes a deeper dive into video game programming and design. Students also learn how to write code to control objects in the real world (lights, buttons, motors and more).

Criteria for Selection – STEM Coding I

STEM Coding III **J830**

Full Year/5 Periods

Grade 11, 12

Credit 1.0

Students design and create large-scale coding and making projects. Electronic toys, robots, automated cameras, full-length video games, and much more are all possible.

Criteria for Selection – STEM Coding II

Digital Photography **F850**

Half Year/5 Periods

Grade 9, 10

Credit 0.5

This is an introductory course that introduces students to the basic operation of digital cameras and photo editing software. Students will learn rules of photographic composition and photo manipulation. This course requires basic computer skills but does not require prior photography experience. It features “hands-on” practice of this skills acquired.

Criteria for Selection – None

Video Production I **F890**

Half Year/5 Periods

Grade 9, 10

Credit 0.5

This laboratory course will train students in video production, terminology, multi-media practice, and theory. This will be a “hands-on” course that will teach pre-production planning, basic writing and scripting, and camera techniques. This course will prepare students for additional study in the field as well as “in-house” productions, programs and activities. Students should have strong organizational skills to take this course.

Criteria for Selection – None

Video Production II **S890**

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

This laboratory course will provide students a more detailed experience with all the video production skills learned in Video Production I. In addition, this course covers technical production, on-line editing, video graphics, and audio mixing. Various skills and techniques will be combined to allow students to do more complex and professional video productions within the school. Students will be provided with the opportunity to work with “live” television production.

Criteria for Selection – Video Production I

Advanced Studio Broadcasting **J890**

Full Year/5 Periods

Grade 11, 12

Credit 1.0

Students taking this class will produce the morning announcements and will take part in live productions at the high school. Students will learn how to work in a live studio environment. Students taking this course must be reliable and willing to film morning announcements and other events.

Criteria for Selection – Video Production I, II, and Approval

Accounting **S920**

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Accounting is a hands-on class that introduces the fundamental theory of debit and credit techniques in recording and preparing business and personal financial statements. Students will run a Virtual Business Simulation “Personal Finance 2.0” on the computer using their own avatar. Students will also assist with running the Student Coffee Shop in the high school to gain real world experiences of being an accountant. Students will be provided the skills necessary to obtain an entry-level position, to manage personal finances, or to serve as a foundation for further accounting and/or business study.

Criteria for Selection – None



Course Descriptions

Business Management S940

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

Business Management is a hands-on class that is designed to teach students the different aspects of managing a business through a sole proprietorship, partnership, and a corporation. Students will study different management styles, planning and problem solving, organization of staffing, training employees, improving productivity and quality, and developing a personal portfolio. At the conclusion of this class students will complete a virtual management simulation where they will run all aspects of a business.

Criteria for Selection – None

Business Law S950

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Business Law is designed to give students a basic knowledge of laws related to businesses. The students will study and learn to employ law in the areas of ethics, tort law, contract law, sales and consumer protection, property, bankruptcy, and labor management law. Some classroom activities will involve role-playing, presentations, case studies, and relevant projects.

Criteria for Selection – None

Small Business Development S960

Full Year/5 Periods

Grade 11, 12

Credit 1.0

This course will be a comprehensive study of basic knowledge of business administration and organization. This project-based learning class will have students learn how small businesses work. Students will also have a chance to solve problems with local business and organizations (Example: Rotary and Kiwanis Clubs) in the community to make learning relevant with real life business decisions. Students will also operate the student run coffee shop by creating a board of directors and hiring staff members to simulate a small business. Students will study marketing strategies, promotional strategies, logistical strategies and strategic business plans. Students will also be able to join Future Business Leaders of America Club to enhance their learning experience.

Criteria for Selection – None

Sports Management I S980

Half Year/5 Periods

Grade 10

Credit 0.5

This CAREER CLUSTER course is an introduction that emphasizes basic management principles as they relate to the business of sports. Students are introduced to sports marketing, sports law, sports supervision, sports media, sports ethics, recreational sports management and other related areas. There is an emphasis on developing and improving communication skills. An overview is provided with regard to career opportunities in this field.

Criteria for Selection – Admission into the SPORTS MANAGEMENT Career cluster

Sports Management II S990

Half Year/5 Periods

Grade 11

Credit 0.5

This CAREER CLUSTER course provides further development of basic management principles as they relate to the business of sports. Students are introduced to sports marketing, sports law, sports supervision, sports media, sports ethics, recreational sports management and other related areas. There is an emphasis on developing and improving communication skills. An overview is provided with regard to career opportunities in this field.

Criteria for Selection – Admission into the SPORTS MANAGEMENT Career cluster

Financial Literacy S601

Quarter Year/5 Periods

Grade 10

Credit 0.25

The personal financial literacy course is designed to alert, inform, and educate students in concepts of personal finance and money management. Students will begin to develop the skills and strategies that promote personal and financial responsibility related to financial planning, savings, investment, and charitable giving in the global economy. The course will teach students to search and assess college and career opportunities, identify and prioritize their personal money management goals, develop personal spending and savings plans, comprehend the impact of time on the value of money, understand the cost of using credit, and protect assets.

Criteria for Selection – None



Course Descriptions

Career Pathways

J601

Quarter Year/5 Periods

Grade 11

Credit 0.25

Topics include Career Awareness and Preparation, Acquisition, Retention and Advancement and Entrepreneurship. The students will learn things such as their learning style, the 16 Career Clusters, interpersonal relationships at work, managing time with school and work, professional communication skills, interview skills, and much more.

Criteria for Selection – None

Cybersecurity

C094

Half Year/5 Periods

Grade 11, 12

Credit 0.5

Students in this course will learn how to protect their personal information online, especially given how much we rely on and use personal devices and social media. Students will also learn the various parts of a computer, how they work together, and how you can manipulate them to keep your data safe. The final part of this course is a dive into tools, technologies, and methods that will protect you from cyber-attacks and the many career opportunities in the rapidly growing field of cybersecurity

Criteria for Selection – Grades 11 & 12 ONLY

Intro to Business

C090

Half Year/5 Periods

Grade 10, 11, 12

Credit 0.5

In this course, students will learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fast-paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

Criteria for Selection – None

PH Cyber Academy – Electives

Personal Finance (.5 credit).....C092

Intro to Business (.5 credit).....C090



Course Descriptions

Physical Education/Health

Physical Education F600, S600, J600, G600

Quarter Year/5 Periods

Grade 9, 10, 11, 12

Credit 0.25

The program is organized to promote bodily vigor, muscular coordination, physical fitness, and worthwhile health habits to the limit of the student's potential. It provides opportunity for participation in a wide variety of physical education and recreational activities. Emphasis is given to improving individual skills and competencies, as well as group participation in team, individual, and lifetime sports. Students may select six activities from those listed below. The activities and the amount of time spent in each activity may vary due to availability of staff.

All students are encouraged to participate fully in the physical education classes and earn a passing grade. During the course of a 3-week activity, if a student misses a class or does not participate, make-up classes are built into the 3-week period. However, if the student fails P.E. for the semester, his/her only recourse would be to complete a summer school course or take an additional Physical Education Course the following year. These make-up credits must be done prior to graduation.

Activities include: Fitness and Weight Training, Basketball, Football, Golf, Softball, Ultimate Frisbee, Street Hockey, Table Tennis, Volleyball, Aerobic Walking and Jogging, and Handball

This is a ¼ (0.25) credit course and is required for graduation each year.

Health

F590

Half Year/5 Periods

Grade 9

Credit 0.5

Health is a required course for all 9th graders. The course is designed to assist students in forming lifelong positive attitudes towards themselves and people around them. It will also allow them to make wise decisions related to their personal health. Studies will include but not limited to: STD'S/AIDS, Domestic Abuse, Sexual Harassment, Physical Activity, Nutrition, Communicable Diseases, and Body Systems. If a student fails to pass this class with a 60% or higher, he/she will be required to take the class in credit recovery.

This is a ½ credit course and required for graduation.

PH Cyber Academy – Core Equivalents

Health (.5 credit).....CF59

Physical Education (.25 credit).....CF60



Course Descriptions

Forbes Road East Career and Technical Center

Automotive Tech V01A
Full Year/Morning Session
Grade 10 Credit 3.0

Automotive Tech V01P
Full Year/Afternoon Session
Grade 11, 12 Credit 3.0

An instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

Criteria for Selection – None

Building Construction V02A
Full Year/Morning Session
Grade 10 Credit 3.0

Building Construction V02P
Full Year/Afternoon Session
Grade 11, 12 Credit 3.0

Building Construction Technology students gain technical knowledge as well as practical hands-on training in the trade which includes carpentry, plumbing, electrical, masonry and blueprint reading. A complete residential modular house is built and made available for public purchase. Individuals learn to apply technical knowledge and skills in the maintenance and repair of residential, office, apartment, and other commercial buildings. Building Construction Technology is an ideal program for students who possess an inquisitive nature, enjoy a variety of varied tasks and like being physically active. Students are prepared for entry-level positions or postsecondary education.

Criteria for Selection – None

Advertising Design V03A
Full Year/Morning Session
Grade 10 Credit 3.0

Advertising Design V03P
Full Year/Afternoon Session
Grade 11, 12 Credit 3.0

The field of advertising and commercial art requires people who possess a wide range of creative skills. Today's commercial artist must be familiar with many forms of production, illustrative techniques, computer graphics and photography. From simple line drawings to computer-generated imaging, the students create art that requires them to apply technical theory to an advertising agency workplace. Students will apply their designs on state-of-the-art equipment including digital printers, laser engravers, vinyl cutters, sublimation system and the embroidery machine. This program is designed to allow students to bring together many areas of creative graphic design and production technologies.

Criteria for Selection – None

Early Childhood Education V04A
Full Year/Morning Session
Grade 10 Credit 3.0

Early Childhood Education V04P
Full Year/Afternoon Session
Grade 11, 12 Credit 3.0

Child Care Service program participants receive practical experience in our onsite ABC Day Care facility. Students study all the phases of child development: physical, social, emotional and intellectual. They learn about nutrition, guidance, -and discipline. They study how to help the child develop daily living skills and about the value of play, literature, music, art, math, and science in child development. Students present a series of learning and developmental activities in the childcare facility practicing their creative teaching, childcaring and management skills.

Criteria for Selection – None



Course Descriptions

Computer Networking **V05A**
Full Year/Morning Session
Grade 10 *Credit 3.0*

Computer Networking **V05P**
Full Year/Afternoon Session
Grade 11, 12 *Credit 3.0*

This exciting technical course prepares students to design, maintain and secure today's Information Technology (IT) Systems which support every aspect of our global economy. Network Security Specialists acting as Ethical Hackers prevent data loss from cyber-attacks, network intrusions and viruses, protecting valuable personal and corporate data. Students will use the latest tools to gain the practical experience needed to earn valuable professional certifications such as A+, Network +, CISCO and Security +. Network Security Specialists are in high demand in law enforcement, large corporations, and government agencies including the FBI, CIA and NSA.

Criteria for Selection – None

Collision Repair **V06A**
Full Year/Morning Session
Grade 10 *Credit 3.0*

Collision Repair **V06P**
Full Year/Afternoon Session
Grade 11, 12 *Credit 3.0*

An instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or uni-body structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

Criteria for Selection – None

Cosmetology **V08A**
Full Year/Morning Session
Grade 10 *Credit 3.0*

Cosmetology **V08P**
Full Year/Afternoon Session
Grade 11, 12 *Credit 3.0*

This program builds a foundation of both academic and technical skills for a variety of career opportunities within the cosmetology industry. The course includes skills for performing procedures in areas such as: hair, skin, nail care, as well as salon procedures. Related instruction is presented as it applies to the skills being demonstrated. Upon completion of the required 1,250 hours of instruction, students will be eligible to take the Pennsylvania State Board cosmetology test to obtain a cosmetology license.

Criteria for Selection – None

Culinary Arts **V09A**
Full Year/Morning Session
Grade 10 *Credit 3.0*

Culinary Arts **V09P**
Full Year/Afternoon Session
Grade 11, 12 *Credit 3.0*

Culinary Arts is designed to offer instruction in the commercial restaurant industry including areas such as gourmet and fine dining skills, fast food operations, customer service, menu planning, and cost-control along with other important aspects of food service. This highly appealing and interesting area stresses the technology of preparing and serving attractive nutritious foods. Students learn the complete food cycle including nutrition, ordering processes, menu design, equipment use and maintenance, sanitation, hygiene, food prep and presentation skills.

Criteria for Selection – None



Course Descriptions

Diesel Technology

V11A

Full Year/Morning Session

Grade 10

Credit 3.0

Diesel Technology

V11P

Full Year/Afternoon Session

Grade 11, 12

Credit 3.0

Trucks and heavy equipment are part of virtually every aspect of today's transportation, construction, and manufacturing industries. Most of these vehicles are powered by diesel engines. The diesel truck technology course trains its students in the repair and servicing of diesel-powered equipment. Special emphasis is placed on the direct needs of local business and industry. Technical knowledge is enhanced by "hands-on" work involving actual maintenance activities of school owned vehicles and equipment. While the emphasis is on diesel engines, gasoline powered equipment and vehicles are also included as part of the instructional program. Students have the opportunity to obtain state safety inspection licenses.

Criteria for Selection – None

Electrical Technology

V12A

Full Year/Morning Session

Grade 10

Credit 3.0

Electrical Technology

V12P

Full Year/Afternoon Session

Grade 11, 12

Credit 3.0

An instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

Criteria for Selection – None

Emergency Response

V13A

Full Year/Morning Session

Grade 10

Credit 3.0

Emergency Response

V13P

Full Year/Afternoon Session

Grade 11, 12

Credit 3.0

An instructional program that prepares individuals to apply technical knowledge and skills required to perform entry-level duties as a police officer, fire fighter, paramedic and other safety services. This program stresses the techniques, methods and procedures peculiar to the areas of criminal justice and fire protection especially in emergency and disaster situations. Physical development and self-confidence skills are emphasized due to the nature of the specific occupation(s). In addition to the application of mathematics, communication, science and physics, students receive training in social and psychological skills, map reading, vehicle and equipment operations, the judicial system, pre-hospital emergency medical care and appropriate emergency assessment, treatment and communication.

Criteria for Selection – None

Health Science

V14A

Full Year/Morning Session

Grade 10

Credit 3.0

Health Science

V14P

Full Year/Afternoon Session

Grade 11, 12

Credit 3.0

A cluster program with a combination of subject matter and experiences designed to prepare individuals for entry-level employment in a minimum of three related health occupations under the supervision of a licensed health care professional. Instruction consists of core course content with clinical experiences in one or two health related occupations. The core curriculum consists of planned courses for introduction of health careers, basic anatomy and physiology, medical terminology, legal and ethical aspects of health care and communications and at least three planned courses for the knowledge and skills for the occupational area such as medical assisting, ward clerk, nursing assisting, etc.

Criteria for Selection – None



Course Descriptions

Heating and Air Conditioning (HVAC) V16A

Full Year/Morning Session

Grade 10 Credit 3.0

Heating and Air Conditioning (HVAC) V16P

Full Year/Afternoon Session

Grade 11, 12 Credit 3.0

An instructional program that prepares individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems. Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric/electronic and pneumatic control systems.

Criteria for Selection – None

Multimedia Design V17A

Full Year/Morning Session

Grade 10 Credit 3.0

Multimedia Design V17P

Full Year/Afternoon Session

Grade 11, 12 Credit 3.0

This program gives students the freedom to be creative, imaginative, and inspired artistically to design presentations for entertainment, industrial and commercial use. Students will learn to use hardware such as digital and video cameras, and projectors in conjunction with the computer and the internet. The course content is designed to create animations, manipulate photographs, create pictures, drawing software work, creating presentations and podcasts and also web design using state-of-the-art industry standard software. Both platforms of personal computers and Apple Macs are taught. Finally, students complete a digital portfolio showcasing their “best works”.

Criteria for Selection – None

Landscape Design V21A

Full Year/Morning Session

Grade 10 Credit 3.0

Landscape Design V21P

Full Year/Afternoon Session

Grade 11, 12 Credit 3.0

Landscape design is a profession that focuses on residential, commercial and industrial landscapes. The Landscape Design program immerses students in the history and theory of horticultural design, broadens their botanical knowledge, educates on plant terminology and nurtures their creativity while grounding them technically.

This program is a specialized curriculum designed to prepare students to be desirable employees of architects, landscapers, nurseries, greenhouses, florists or various other landscape businesses. Both maintenance and establishment of lawns, as well as landscaping homes and businesses are included in the curriculum. The principles of design are also included along with plant identification, budgeting, and cultivation procedures.

Criteria for Selection – None

Veterinary/Animal Health Technology V23A

Full Year/Morning Session

Grade 10 Credit 3.0

Veterinary/Animal Health Technology V23P

Full Year/Afternoon Session

Grade 11, 12 Credit 3.0

Veterinary/Animal Health Technology prepares students to assist veterinarians during animal examinations and provide treatment and monitoring. Students will learn about maintaining medical and business records, charting and scheduling activities, and a wide range of practice related duties as applied to animal health care, the biomedical field, and the pet industry.

Criteria for Selection – None



Course Descriptions

Warehouse Management

V24A

Full Year/Morning Session

Grade 10

Credit 3.0

Warehouse Management

V24P

Full Year/Afternoon Session

Grade 11, 12

Credit 3.0

This program will actively engage students in the process of receiving, storing, shipping, controlling and distributing products. Students will use conveyors, hand trucks, and carts to transport materials/supplies. They will work in the Forbes Road CTC distribution Center using technology to scan and track products. This program will expose students to careers related to the movement of materials and products.

Criteria for Selection – No

Forbes Road East Academic Courses

The courses below are for students enrolled in the All-Day Forbes program and require approval of the Building Principal.

Algebra II

US History

Modern American History

English III

English IV

Earth and Space Science

Physical Education



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