

***TUNKHANNOCK AREA
HIGH SCHOOL***



***CURRICULUM GUIDE
2009-2010***

**TUNKHANNOCK AREA HIGH SCHOOL
CURRICULUM GUIDE TABLE OF CONTENTS
2009-2010**

SECTION	PAGE
Introduction	1
Comprehensive School Overview	2
Course Selection Points	3
Graduation Requirements	4-5
Guide to the Selection of Subjects	5-6
Honors Course Weighting Policy	6
Advance Placement Courses	6-7
Dual Enrollment Opportunities	7
Special Education Services	7
Programs of Study	8
Agriculture	8-9
Art	9-10
Automotive Technology	10-11
Building Construction Occupations	12
Business Technology	12-15
Computer Science	15-17
English	17-20
Family and Consumer Science	21-23
Foreign Language	23-26
Technology Education (Industrial Arts).....	26-29
Mathematics	30-32
Music	32-34
Physical Education	34-35
School to Career Opportunities	35-37
Science	37-41
Social Studies	41-44
Yearbook & Peripherals	44-45

TUNKHANNOCK AREA HIGH SCHOOL

INTRODUCTION

This booklet has been prepared to help you understand the program of studies at Tunkhannock Area High School (TAHS) and to assist you in planning your choice of subjects for the next school year. Students at TAHS take a combination of mandatory and elective courses that are offered in both the block (84 minute) and yearlong (40 minute) format. Other specialized courses are offered in nine week and twenty-two day periods. Core courses and minimal credit requirements in certain electives make up the mandatory classes. Elective subjects cover a wide range of subjects and should be selected on the basis of interest, aptitude, and skill. These subjects should be carefully selected from course offerings.

The Guidance Staff of the Tunkhannock Area High School is available to assist students and parents with course selections. It is important to make choices that are realistic and appropriate to the student's education and career goals. In addition to counselor input, it is also advisable to seek teacher recommendations prior to making course selections. Each student will have the opportunity to meet individually with his or her counselor to review pertinent information and establish the best possible schedule. The high school counselors are **Mrs. Eliza Comly, Mr. Kelly Landon, and Mrs. Gert Morrissey-Pryor**. Many services of the guidance office can be addressed by the guidance office secretary. The High School Guidance Office can be reached by calling 836-8273 or by emailing the guidance office staff directly through the school website at **www.tasd.net**. The Guidance Office fax number is 836-8251.

Parents and students should review the Tunkhannock Area High School Curriculum Guide thoroughly and carefully consider the course selection options available. The guidance staff, faculty, and administration look forward to helping students and parents make the most informed course selection decisions possible.

TUNKHANNOCK AREA HIGH SCHOOL: A COMPREHENSIVE SCHOOL

TAHS is one of 22 Comprehensive high schools in Pennsylvania. This means we house a full academic program and a Career and Technology Education (CTE) program in the same building. The breakdown of programs available to students is as follows:

The Academic Curriculum: Core Programs

- Math
- English
- Science
- Social Studies
- Physical Education

CTE Curriculum: Occupational Programs

- Agriculture
- Automotive Technology*
- Building Construction Trades*
- Business
- School-to-Career

The Academic Curriculum: Elective Programs

- Foreign Language
- Business
- Computer Science
- Family and Consumer Science
- Music
- Art
- School-to-Career

CTE Curriculum: Tech Prep Programs

- Automotive Technology
- Building Construction Trades
- CADD/ARCH
- Electronics
- Graphics
- Manufacturing/Construction Industries

[*Program is both Occupational and Tech Prep approved]

The Academic Programs available at Tunkhannock Area are aligned with the Pennsylvania Academic Standards. They represent the foundation for a liberal arts secondary (high school) education, with the flexibility to take a wide variety of elective courses. The CTE programs available at TAHS represent a number of high demand technical fields and are also aligned with Pennsylvania Academic Standards and National Industry Standards. CTE programs are separated into two categories: **Occupational** and **Tech Prep**. Occupational CTE programs prepare students for careers immediately following high school and are designed to offer the industry certifications and competencies employers' desire. Often these programs lead to apprenticeships and entry level positions in the trades. Tech Prep CTE Programs combine college level coursework with technical classes to prepare students for specific, high demand technologies and industries. Tech Prep students are expected to continue their education at a post secondary school that offers continued training, industry certifications, and associate degrees in specific career areas.

State and national labor and industry data indicates a great demand for technical, specially trained professionals. Students should see their guidance counselor for more information on the opportunities available through the CTE programs of Tunkhannock Area High School.

IMPORTANT COURSE SELECTION POINTS

Schedule Change Policy: Students should be aware of the schedule change policy as they make their course selections for the upcoming school year. The Tunkhannock Area High School's policy regarding re-scheduling and schedule changes is as follows:

- Students will have five school days into a course to withdraw from the course. The five-day timeline will be adhered to regardless of the student's school attendance.
- We realize there are rare, often unforeseen mitigating circumstances that necessitate a withdrawal from a course. In these cases, students must complete and submit a Course Change Request Form. This form must be signed by the parent, guidance counselor, and an administrator prior to a scheduling change approval. The student must select another course for credit to replace the dropped course. Depending upon the grade at the time of withdrawal, a withdrawn passing (WP) or withdrawn failing (WF) notation may appear on the permanent record/transcript.
- When a student has failed a block course during the first semester, the privilege of re-scheduling a class during second semester is reserved for seniors needing the course for graduation. All other requests will be evaluated on a case by case basis. No student is guaranteed the opportunity to enroll in any course.

Study Halls: Tunkhannock Area High School recommends all students take the most challenging level of coursework available in accordance with their experience and abilities. This principle is used as the basis for the scheduling of study halls. Study halls are scheduled with the following points in mind:

- Students entering their junior year with 14 earned credits or more and students entering their senior year with 21 earned credits or more may opt to select one study hall in place of an elective credit when making course selections.
- Requests to schedule an initial study hall, after schedules are completed, will be reviewed on a case by case basis. Only seniors and juniors are eligible to make this request.

GOAL SETTING: THE KEY TO COURSE SELECTION

1. After evaluating your personal strengths, interests, aptitudes, and needs, students should establish educational goals with the assistance of the Guidance Office. Students will collect additional information on their specific educational, occupational, and personal objectives by working with the Career Resource Office and their assigned guidance counselor.
2. Working with computerized guidance programs, students will learn the requirements for entrance to the college/technical school they plan to attend and/or for the kind of career they would like to pursue.
3. During the summer prior to senior year, students should begin to visit the colleges, technical schools, or places of employment that meet their interest areas.
4. Students should talk frequently with their parents, teachers, counselors, and individuals currently working in their field of interest to gain the benefit of their experience and knowledge.
5. Students should select courses that most closely match their educational and career goals.

GRADUATION REQUIREMENTS

The Tunkhannock Area School District has established three major criteria to be eligible for graduation. Students must complete *26 credits*, complete a *graduation project*, and perform at the *basic level or above on the PSSA Reading & Math*.

1. Credits: TAHS students must complete a total of 26 credits in order to graduate. Credits are units of measurement designed to indicate the length and scope of courses offered in the high school curriculum. Courses can be 0.25, 0.5, or more typically 1.0 in credit value. The sequence of courses and credits required is as follows:

<u>Curriculum Area</u>	<u>Credits</u>
Math	4
English	4
Social Studies	3
▪ World History	
▪ U.S. History	
▪ American Government	
Science	3
▪ Earth Science	
▪ Biology	
▪ Non-specific third credit	
*Computer Science/Word Proc.	1
Physical Education/Health	1
▪ PE 9	
▪ PE 10	
▪ PE 12	
+ Humanities	2
** Electives	8
 Total Credits	 26

The Pennsylvania Department of Education in accordance with Chapter 5 regulations will require all students beginning with the class of 2000 to complete a graduation project.

* Any full credit computer oriented course dealing with computers will fulfill this requirement. Courses are identified within their course description when they fulfill the computer science requirement.

** An elective may be defined as any course chosen for study beyond those specifically required.

+ These courses will meet the requirements for the Humanities:

Visual Arts courses	Yearbook
Wood Technology 1 & 2	Family & Consumer Science courses
Introduction to Small Engines/Welding	All English electives
Music courses	All Social Studies electives
Foreign Language courses	

All of the above credit requirements of TAHS comply with the Pennsylvania School Code, Chapter 4. Please note that the courses and programs offered in this Curriculum Guide may be changed as per School Board action. Every effort will be made to communicate these changes as quickly as possible in the best interest of students.

Make Up/Supplemental Credits

Independent Study

Juniors and seniors may arrange an independent study with the approval of Principal, Guidance Department, and appropriate Faculty. Credit will be awarded as noted in the arrangement contract.

Summer School

TAHS offers summer school for students who need to make up credit. Summer school classes are scheduled according to the number of students who sign up for specific core classes. TAHS will accept summer school credit from other secondary schools. Summer school at Tunkhannock Area requires payment in full prior to registration. The school board sets the fee for summer school each year.

Correspondence Courses

Correspondence Courses are made available to students in unique circumstances deemed to be in the best interests of the students, while at the same time maintaining the integrity of the academic and technical programs of TAHS. Administrative approval is required for consideration. A maximum of two make-up credits from correspondence courses will be accepted toward graduation.

Blendedschools.net

TAHS utilized an online curriculum offered through www.blendedschools.net for students who require independent credit. This option is available for special circumstances only and must be recommended by guidance and approved by administration.

2. Graduation Project: The Pennsylvania Department of Education Chapter 4 Regulations require all students to complete a cumulative graduation project as a condition for graduation. The graduation project is coordinated through the Career Resources Office. Students are scheduled individually through the Career Resources Office and informed of the exact criteria used in TAHS's graduation project. The project requires students to complete the Choices Career Program, a Career Inventory Worksheet, and 15 hours of community service.

3. PSSA: The Pennsylvania System of School Assessment (PSSA) is used to evaluate all Pennsylvania students' mastery of the State Standards in Writing, Reading, Math, and Science. Tunkhannock Area School District policy currently mandates that all students achieve the level of "basic" in 11th grade PSSA Reading and Math. Students who do not reach the 'basic' level must complete the 12th grade PSSA retest. If students do not achieve 'basic' on the 12th grade retest, 15 hours of appropriate tutoring is required prior to graduation.

COURSE SELECTION GUIDELINES

In selecting your subjects for the next two semesters, please keep in mind the following requirements and procedures:

1. Study the distribution of subjects and pay special attention to prerequisites for certain courses.

2. Secure a course selection sheet from your guidance counselor. Fill it out and bring it with you to the scheduling conference.
3. In this conference the guidance counselor will check your selections against the requirements for graduation in light of future goals.
4. No changes in your course selections will be made after the selection sheet is returned, unless approved by the guidance counselor in consultation with the principal or assistant principal.
5. If withdrawal from a class is necessary, credit will not be awarded. Before any student is allowed to withdraw from any class, a teacher/counselor/parent/student conference may be held.

HONORS COURSE WEIGHTING POLICY

Students are given extra ‘weighting’ for higher level courses completed during their high school career. This means that certain courses are given added points in calculating GPA (Grade Point Average) and class rank. The following policies are in effect:

- Only core courses (Math, English, Social Studies, and Science) and Foreign Languages (3rd & 4th level) will be offered for Honors credit and weighted grading.
- Elective courses within core disciplines will be offered for academic credit only.
- All other courses will be offered for academic credit and grading.
- Weighting for Honors and AP courses is as follows. A 4% weighted grading system for Honors courses and a 5% weighted grading system for Advanced Placement courses will be utilized.
- Grade point averages for Honors and AP courses appear on the student report card and weighting is applied by marking period for the purposes of honor roll.
- Class rank and GPA are calculated annually.

ADVANCED PLACEMENT COURSES

In addition to the regular academic program offered at Tunkhannock Area High School, the following Advanced Placement courses will be offered:

English	Calculus
Chemistry	History (U.S. & World)
Physics	Studio Art
Biology	Spanish

Courses in Advanced Placement are college level courses and are taught according to the guidelines of the College Board. They require a great amount of study on the part of the student and they carry one full academic credit. In addition, the student can expect to spend at least one hour on homework for each hour in the classroom.

Prior investigation of a college’s philosophy regarding advanced placement is highly recommended since all colleges do not recognize Advanced Placement. This research is the responsibility of the parents and students, and the information is usually found in college catalogs. For clarification of any questions, write to the college admissions office and consult with your high school guidance counselor.

Due to the stringent demands of the various AP programs offered at Tunkhannock Area High School, students are advised to use caution in determining the number of Advanced Placement courses they select.

DUAL ENROLLMENT OPPORTUNITY

Tunkhannock Area School District has entered into a partnership with Keystone College to offer juniors and seniors, who are ready, the chance to earn college credits while completing their high school course requirements. This Dual Enrollment Initiative is funded by the Pennsylvania Department of Education. The Program encourages a broad range of students to experience the increased academic rigor of post secondary coursework, while still in the supportive environment of their local high school.

The focus of this initiative lies in the core curricular areas of Math, English, Science, and Social Studies. The Guidance Department can help you determine what courses you may be eligible for. The program's intent is to increase the number of students that may go on to attend post secondary institutions, while decreasing the need for remedial coursework at the post secondary level.

The list below represents the courses that are currently eligible for the dual enrollment program. This list will be edited as necessary.

Honors English 3	Honors Calculus	AP Biology*
Honors English 4	AP Calculus	AP Physics*
AP English	Honors Spanish 3	Psychology
Speech and Debate	AP Spanish	Sociology
Probability and Statistics	Anatomy & Physiology ^{1 and/or 2}	AP World History*
Honors Algebra 2	Honors Chemistry	AP U.S. History*
Honors Pre-Calculus	AP Chemistry	Honors Am.Gov't*

* Pending Courses

Students will receive both high school and college credits for their efforts in these specified courses. Students are allowed to take up to 24 post secondary credits per year through this concurrent enrollment agreement with Keystone College.

Keystone College has already approved these courses and granted faculty authorization to the applicable teachers. College credit will now be provided to each registered student with an appropriate final grade. At this time, Keystone College has assured the school district that all credits are transferable and there will be no cost to the parents/families.

This is a great opportunity for our 11th and 12th grade students to experience success at the postsecondary level, as well as gaining an educational and financial jump start on their future.

SPECIAL EDUCATION SERVICES

Special education services will be provided to students with disabilities who need specially designed instruction in accordance with their Individual Education Programs. Multiple levels of educational services are available to students, depending on need. The Tunkhannock Area School District strives to provide a complete continuum of services designed to meet the educational needs of our identified students.

TUNKHANNOCK AREA HIGH SCHOOL

PROGRAMS OF STUDY

The following are the course listings of the academic and CTE programs of Tunkhannock Area High School. Students and parents should read the course description carefully, paying close attention to student expectations, content and skills covered, prerequisites, credits, course length, and format. The terms and definitions below are provided for better understanding:

- Credit - Unit of measurement indicating course completion.
- Prerequisite – Course(s) required to have been completed prior to scheduling of a class.
- Grade Level – The intended grade of the students to be taught in the course.
- Block (B) - Term used to describe a class offered in an 84 minute time frame. This class is taught for one semester.
- Yearlong (Y) – Term used to describe a traditional class offered in a 40 minute time frame. This class meets all year.
- Quarter (Q) – Term used to describe courses taught in nine weeks. These courses are taught in the block format.
- 1PS – Term used to describe courses taught for 40 minutes during one semester. Stands for “One Period Semester”.
- P - Term used to describe “peripheral Class.” Meets for 40 minutes 22-23 days per semester.

Questions or concerns about the courses described in this guide should be directed to the guidance office or the administration.

The programs of study are listed in alphabetical order.

AGRICULTURE

Vocational and technical education in agriculture is designed to meet the needs of persons who are preparing to enter any occupation requiring agricultural knowledge and skills. The program also allows students not majoring in agriculture, a chance to enroll in the elective semester courses for personal enrichment.

INTRODUCTION TO WELDING AND SMALL ENGINES (B) (9) 1 credit

Introduction to Welding and Small Engines will cover the basics of welding and use of metal working tools and equipment. This course will also include hands-on experience in the maintenance and repair of small gas engines. Students will gain experience with hand tools used in the repair of agriculture equipment.

OUTDOOR POWER EQUIPMENT TECHNOLOGY (formerly called Small Engines)

(B) (10-12) 1 credit

Outdoor power equipment technology is a study of internal combustion engines up to 15 horsepower. It includes theory and the disassembly and repair of both two and four stroke engines. Students work on school-owned engines. A period of time will be allowed for repair of student-owned engines. The course will cover both classroom theory and hands-on experience on small gas and small diesel internal combustion engines. The course will include troubleshooting and repair of two and four stroke engines, from lawn mowers to chain saws.

WELDING TECHNOLOGY (B) (10-12) 1 credit

Welding Technology will include both beginning and advanced students in the same class. The course will include classroom instruction in welding theory and practice as well as practical experience. Much of the time will be spent on assigned jobs designed to increase the students' skill level as he or she moves from one job to another. After students have completed the assigned jobs, they will be required to complete a welding project.

ANIMAL SCIENCE (B) (10-12) 1 credit

Animal Science includes a study of genetics, feeding, housing and marketing of common domestic animals, as well as meat processing. Current advances in animal technology are also studied. This course may be used to fulfill the third science credit requirement.

ART

The TASD Art Department, in alignment with PA State and Academic Standards, helps the student to develop an awareness of and sensitivity to that which surrounds him/her. Through various art experiences, the student explores concepts, processes, materials and techniques of both past and present which helps him/her develop respect and appreciation for craftsmanship, expression and meaning in his/her own work and the work of others. The TASD art curriculum provides art exposure for all students, a broad background for students seeking personal enrichment and a strong foundation for serious student artists who plan to pursue some phase of the visual arts as a profession. Career opportunities in art include: Graphic design, advertising design, web design, computer animation, photography, film, multimedia design, art education, university instruction/professorship, university art administration, museum curatorship, gallery ownership/management, independent studio/instruction, painting, sculpting, ceramic design, window/store display, fashion design, interior decoration, book illustration, greeting card design, etc.

ART 1 (B) (9-12) 1 credit

Art 1 is designed to introduce students to the major areas of two and three-dimensional design. These areas include elements and principles of composition and design, drawing, painting, sculpture, graphic design and art history.

3-DIMENSION DESIGN (B) (9-12) 1 credit

This course has been designed to introduce students to the basic media and techniques needed for 3-dimensional design concepts. The projects include work "in the round" and relief. Ceramics, constructions, stabiles, found object and soft sculpture are presented. Creativity and problem solving skills are emphasized and developed.

DRAW RIGHT/PAINT RIGHT (B) (9-12) 1 credit

This is a semester long, one (1) credit course. Drawing is a skill that can be learned by any person with average hand coordination and average eyesight. This course is designed to teach students how to draw even if they possess no apparent drawing skills. It is for students with no previous art instruction or for students who have taken art but feel that they have not gained from the experience. The course is based on the theory that drawing can be learned if a person becomes aware of how to use the right hemisphere of the brain. Students explore the capabilities of both the right and left hemispheres as they are used for particular tasks. In doing so, they will develop the ability to use the right hemisphere of the brain for drawing, thus learn to draw realistically. Paint Right is a continuation of the entry-level course Draw Right. Color theory is

added to the basic concepts of drawing covered in Draw Right. Introductory painting techniques will be the focus of the 2nd marking period of this course.

ART 2

*Prerequisite: Art 1 (B) (10-12) 1 credit

Art 2 is a continuation of the general art course, Art 1. Areas to be stressed are composition, design, drawing, painting and sculpture.

COMMERCIAL and FREELANCE ARTIST (B) (10-12) 1 credit

*Prerequisite: 2 years of high school art and teacher recommendation.

This course is designed to help those students who are more interested in the commercial side of art. Illustration, design, lettering, advertising and digital imagery are presented with a fine art approach. A variety of materials and techniques are stressed with emphasis on the student's personal interpretation. This course allows the student to simulate the career of a freelance commercial and fine artist. The students also explore the business aspects of freelance work. School public relations projects such as posters, brochures, banners, bulletin boards and program covers are "real world" assignments covered in the course. Through the course students enter art competitions, i.e. Governor's School (juniors & sophomores only), Scholastic, Rossetti.

ART 3 (B) (11-12) 1 credit

*Prerequisite: Art 1 & 2

This course is designed to develop the student's understanding of art history through studio work, audiovisuals, and selected readings. Emphasis will be placed on styles and innovations from prehistoric cave painting to contemporary art movements. The studio segment of the course includes drawing, painting, sculpture, and architectural models. Art III should be chosen by students with an interest in history and the visual arts. The course also provides an important foundation for any student who will pursue the visual arts in college.

ADVANCED PLACEMENT STUDIO ART (B) (12) 1 credit

*Prerequisite: Teacher recommendation.

AP Studio Art is an expanded study of numerous mediums and techniques in art. It is also an in depth look into a particular concentration of a medium, subject matter, or idea chosen independently by each student. The work schedule is very intense. Four to six hours per week out of class work is necessary to complete this course. Students should have at least 2 years of high school art before taking this course.

AUTOMOTIVE TECHNOLOGY

Automotive technology consists of classroom and practical experiences designed to be taught as a technical/vocational program providing basic knowledge and skill competencies from a number of closely related occupations associated with combustion engines. The total program consists of four years of instruction at a rate of one (1) block per day for one semester in Automotive Technology 1, as well as one (1) block per day all year for each subsequent level. Over the four year period, students successfully completing this course will earn a total of seven credits. Automotive technology is designed to prepare students for job entry or post secondary technical training. Eligible students may participate in the cooperative education program in their senior year of automotive technology. Qualified students may be eligible for the PA State Inspection Program and/or ASE certification.

A tech prep option is available for students interested in continuing their education beyond high school. An articulation agreement has been written with Luzerne County Community College for advanced standing in their program. Details of this program may be obtained from the guidance office or an automotive technology instructor.

AUTOMOTIVE TECHNOLOGY 1 (B) (9) 1 credit

This course is introductory but challenging. The areas covered in this course are: careers in the automotive industry, workplace skills, working safely in the shop, automotive systems and preventive maintenance, tools and equipment, basic math theories, automotive engine designs and diagnosis, engine disassembly, short blocks, cylinder heads, camshafts, and valve trains, lubrication and cooling systems, and engine sealing and reassembly.

AUTOMOTIVE TECHNOLOGY 2 (B) (10) 2 credits

*Prerequisite: Automotive Technology 1

The areas covered in this course include brake systems, drum brakes, disk brakes, tires and wheels, as well as, suspension and steering and front end alignment. Basic electrical systems and introduction to engine performance will also be covered.

AUTOMOTIVE TECHNOLOGY 3 (B) (11) 2 credits

* Prerequisite: Automotive Technology 2

This course is a continuation of Auto Technology 2. The areas covered in this course are ignition systems. Ignition system diagnosis and service, fuels and other energy sources, fuel delivery systems, electronic fuel injection diagnosis and repair, intake and exhaust systems, emission control systems diagnosis and repair, on-board diagnostic systems diagnosis and report, antilock brake systems alignment and PA State Inspection. Students who pass the State Inspection Test will be certified when they become 18 years old.

AUTOMOTIVE TECHNOLOGY 4 (B) (12) 2 credits

*Prerequisite: Automotive Technology 3

This course is a continuation of Automotive Technology 3. The areas covered in this course are Air Conditioning, manual and automatic transmissions, and Advanced engine performance. Students will prepare for year-end NATEF certification tests, OBD Emission repair certification, and various Automotive Competitions.

ADVANCED ELECTRICITY/DIAGNOSTIC SYSTEMS (Y) (11-12) 1 credit

*Prerequisite: Automotive Technology 1

This course is for juniors and seniors only and is designed to complement Automotive Technology 2. This course is designed to enhance students' knowledge of the electrical and on-board diagnostic systems used on modern vehicles. The areas covered in this course include lighting systems, electrical instrumentation, electrical accessories, and restraint systems, air bags, as well as electricity as it relates to OBD 1 and OBD 2 systems. Inputs, outputs, and controllers will be discussed in detail. Scan tool parameters and electrical schematic diagnosis will be covered. Ignition and fuel injection theory will be covered as it relates to OBD 1 and OBD 2 systems.

BUILDING CONSTRUCTION OCCUPATIONS

The Building Construction Occupations program is an occupational and Tech Prep program designed to prepare students for entry-level construction positions or allow students to further their education at a trade or technical college. The program will provide basic information and skill competencies in a number of closely related occupations associated with carpentry, masonry, electrical, and plumbing. Students will also receive instruction in computer-aided cost estimating. The total program includes three (3) full years of instruction at a rate of one (1) block per day, all year. Over the three (3) year period, students successfully completing this course will receive a total of six (6) credits.

BUILDING CONSTRUCTION OCCUPATIONS 1 (B) (10-12) 2 credits

A fundamental course designed primarily for sophomores will include basic introduction in the following areas: Masonry tool identification and usage. Students will master trowel usage as they construct an 8-inch block lead to specifications. Carpentry shall consist of estimating, layout, and construction of floors, walls, and rafters. Students will also learn necessary hand power tool skills. Electrical will include safe work habits as students learn fundamentals of residential wiring. Students will finish the first year with plumbing experiences.

BUILDING CONSTRUCTION OCCUPATIONS 2 (B) (11-12) 2 credits

*Prerequisite: Building Construction 1

This course will continue the student's instruction in all four areas of the BCO program. Carpentry instruction will include trim (interior and exterior), hip/valley, and jack rafters layout and construction. Masonry shall include construction using brick, stone and concrete. Plumbing shall include an introduction to heating, ventilating, and air conditioning (HVAC). The electrical portion of this course shall include code requirements, service entry, roughing in, as well as troubleshooting.

BUILDING CONSTRUCTION 3 (B) (12) 2 credits

*Prerequisite: Building Construction 2

Students will have an opportunity to study advanced theory and to become associated with higher level applied skills as they choose one or two major areas of Building Construction Occupations 1 and 2. Eligible students may participate in the Cooperative Education Program during the third year as part of a Capstone Job-Training. See Guidance or the School-to-Career for more details on this opportunity.

BUSINESS TECHNOLOGY

The Business Technology Department offers a variety of courses that suite many areas of interest. Students planning to take advantage of the tremendous demand for skilled workers in the business fields can take courses in this department that will provide valuable training for the future. Students planning to go to college to study business and industry can use business electives to become familiar with subject matter, while learning skills that will later be used in college such as word processing and spreadsheets. Business courses also allow students to gain practical life skills that assist in home, school, and personal management experiences.

EXPLORATORY BUSINESS (B) (9-12) 1 credit**

This course introduces students to the basic business concepts that will help understand how a business survives in today's economy, and the role consumers play in the same economy.

Students will learn how to balance a checkbook, invest in savings and the stock market, use credit and credit cards, compute a paycheck, and buy insurance. Students will also explore making business decisions in a team business setting.

ENTREPRENEURSHIP (B) (11-12) 1 credit**

This course takes students step-by-step through the entire process of starting and owning a business. Students create their own “fantasy” business by selecting a product or service to sell, researching the industry, determining customer base and competition, marketing, financing, managing employees, interpreting financial records, and more. Along the way, students learn about the stock market, personal finances, advertising, spreadsheets, desktop publishing, and gain insight into their own entrepreneurial talents and creativity. Special presenters, speakers and field trips are offered to see first hand how real businesses operate.

ACCOUNTING 1 (B) (10-12) 1 credit

This course gives students an introduction to accounting as a career, and provides students with the tools to determine if a business is making a profit. Accounting will be especially useful if students plan to go to college to study a business-related field. The entire accounting cycle for a one-owner business and a merchandising partnership is included in the content of this course. Students learn computerized general ledger accounting as well as the traditional manual system, along with enhanced computer skills in Microsoft Word, Excel, and PowerPoint. This course may be used to satisfy your fourth math credit requirement.

ACCOUNTING 2 (B) (11-12) 1 credit**

*Prerequisite: Must have earned an 85 or above average in Accounting 1

As a follow-up to Accounting 1, this course will offer instruction in partnership and corporate accounting. Accounting applications on the computer will dominate the course content as students develop a portfolio of results with computerized payrolls, integrated general-ledger systems, and spreadsheet applications typical of accounting practice. Students explore managerial accounting and use accounting information to enhance typical business decisions. This includes budgeting for a business, deciding whether to invest in new equipment, pricing a product/service based on costs, handling inventory costs, and breakeven analysis. Presentations include business professionals and practitioners of accounting in real world environments.

MICROSOFT COMPUTER SKILLS 1 (B) (9-12) 1 credit**

This course is designed to help students learn how to use the Microsoft Office software package. Students will engage in thorough exercises covering the following topics: Word, Excel, Access (database), PowerPoint, and several Integration Projects. After completing this course, students will be prepared to take the Microsoft Officer User Specialist (MOUS) exams. These examinations certify and validate your skills in the Microsoft programs.

MICROSOFT COMPUTER SKILLS 2 (B) (10-12) 1 credit**

*Prerequisite: Microsoft Computer Skills 1

Students who have successfully completed Microsoft Computer Skills 1 (MCS 1) are eligible for this class. This course will build on the skills learned in MCS 1 and develop advanced concepts and techniques in the Microsoft Office Program. Students will work independently to complete detailed exercises using the Word, Excel, Access, and PowerPoint programs. After completing this course, students will be prepared to take the Microsoft Officer User Specialist (MOUS) exams. These examinations certify and validate skill levels in the Microsoft programs.

BUSINESS LAW**(B) (11-12) 1 credit**

This course emphasizes laws in the business and personal world. Students will be introduced to topics that have a direct impact on their daily lives. By using case studies, present day court cases, class discussions, and mock trials, students will explore areas such as – Sources of laws, Ethics, Criminal and Civil laws, Trials, Contracts, Consumer Protection, Identity Theft, and Insurance laws.

KEYBOARDING/WORD PROCESSING 1 ****(B) (9-12) 1 credit**

Keyboarding and word processing skills are essential in meeting the needs of today's economy and communication systems. It is highly recommended students take this course at some point during their years in secondary education. This course will not only teach the essentials of keyboarding but will also introduce students to the fundamental operations of Microsoft Word. This program covers the following: formatting documents, creating tables and columns, editing, inserting pictures and WordArt, creating letterheads, flyers, and newsletters using the proper formatting. After completing this course, students will be prepared to take the CORE skill level examination for the Microsoft Officer User Specialist for Microsoft Word. This examination certifies and validates your skills as knowledgeable of Microsoft Word.

COMPUTER REPAIR****(B) (10-12) 1 credit**

*Prerequisite: Electronics 1

Computer Repair covers computer architecture, computer literacy and basic computer repair. Emphasis will be placed on hardware and software diagnostics training using hands-on methods. Incorporated will be proper use of a static-free workplace utilizing modern troubleshooting equipment. Windows 98/2000/ Windows XP are covered. Introduced in this course will be peripheral repair of such items as monitors and printers. Advanced troubleshooting methods utilizing state-of-the-art equipment prepare the student for a future career in this area. Windows 2003 Server will be covered in this course along with basic information regarding networks and network diagnostics. This course can lead to the acquisition of a CISCO Academy certificate of completion. Students who score 75% or higher on their final exam will receive 2 discount vouchers for Comptia A+ certification testing.

NETWORKING 1**(B) (10 -12) 1 credit**

*Prerequisite: Computer Repair

This course begins the in-depth study of basic networking. The creation and evaluation of network resources will be covered including the roles of printers, drives, shared files and devices. Basic requirements for workstations will be taught including how to add or remove network card adapters, protocols, and clients. This course includes the analysis of all hardware components of networks including hubs, switches, and routers. Additionally, bridges, gateways, proxies, firewalls, DSL, cable modems, fiber, and Telecom and PBX will be covered. Students will study workgroups and domains, security models, and sizing factors, and will be introduced to the purpose and workings of routable and non routable protocols and the Internet/networking protocols, versions 4 and 6. Router firewall theory and configuration, and disaster recovery are included in Networking 1. This course can lead to the acquisition of a CISCO Academy certificate of completion.

NETWORKING 2**(B) (11-12) 1 credit**

Students continue the study of networking in more detail and application, and cover security theory and operations within the context of networking. How to install, configure, and troubleshoot Cisco IOS devices will be covered in this course. A heavy emphasis will be placed on security theory, industry terms, cost factors, computer security vs. information security, and the difference between security and user access. Distinguishing between various types of

computer security such as login, digital certificate, file and folder security, shared resource security, RAS, and wireless security is also a main goal of the course. Defining and differentiating between various types of attacks/network intrusions will also be stressed. Understand the structure of the Internet and how communication occurs between hosts. Planning a basic wired infrastructure to support network traffic and configure a server to share resources and provide common Web services. Implementing basic WAN connectivity using Telco services and demonstrate proper disaster-recovery procedures and perform server backups This course can lead to the acquisition of a CISCO Academy certificate of completion. Students who score 75% or higher on their final exam will receive a discount voucher for CCENT certification testing.

NETWORKING 3 (B) (11-12) 1 credit

Students continue the study of networking in more detail and application and cover security theory and operations within the context of networking. Students will complete the following tasks: Implement and design a LAN following approved network design; Configure a switch with VLANs and inter-switch communication; Implement access lists to permit or deny specific traffic; Implement WAN links; Configure routing protocols on Cisco devices; Perform LAN, WAN, and VLAN troubleshooting using a structured methodology and the OSI model. This course can lead to the acquisition of a CISCO Academy certificate of completion.

NETWORKING 4 (B) (12) 1 credit

Students continue the study of networking in more detail and application and cover security theory and operations within the context of networking. Students will complete the following tasks: Gather customer requirements; Design a simple Internetwork using Cisco technology; Design an IP addressing scheme to meet LAN requirements; Create an equipment list to meet LAN design requirements; Install and configure a prototype Internetwork; Obtain and upgrade Cisco IOS software in Cisco devices. This course can lead to the acquisition of a CISCO Academy certificate of completion. Students who score 75% or higher on their final exam will receive a discount voucher for CCNA certification testing.

*****These courses may be used as a computer science credit for the purpose of meeting graduation requirements.***

COMPUTER SCIENCE

The Computer Science Department strives to continually keep students abreast of the latest in technological changes and advancements. This includes improvement in the courses offered in the program as well as the hardware and the software provided for use by our students. The Computer Science Department is committed to providing appropriate courses as well as modern equipment and the latest versions of software. All courses are available for the Computer Science Credit required for graduation.

INTRODUCTION TO COMPUTER PROGRAMMING (Y) (9-12) 1 credit

***Prerequisite:** Algebra 1

This course is the first year of the programming series. The focus is on programming in object oriented programming languages, starting with a robotics program called Karel and continuing with C++ and an introduction to Java. The course is intended for the beginning student with little or no programming experience. It stresses problem solving skills, modular program design, repetitions, procedures, functions, file access and storage, and graphics routines. The course is intended for the college bound student.

INTERMEDIATE COMPUTER PROGRAMMING (Y) (10-12) 1 credit

*Prerequisite: Introduction to Computer Programming

This course is the second year of the programming series. The course is an expansion on the topics begun in Introduction to Computer Programming and a continuation into further topics of computer programming. The course stresses recursion, user defined types, records, files, and introduces data structures. The course is intended for the college bound student.

COMPUTER LITERACY (Y) (9-12) 1 credit

The basic introduction to the C++ language, as well as an overview of the history and social impact of the computer revolution, will be included. The use of word processing, spreadsheets, databases, slide presentations, and the Internet will then be studied. This class is for the student who requires a basic introduction to and understanding of computer use.

CONCEPTS OF COMPUTER SCIENCE (Y) (9-12) 1 credit

The student will be introduced to various programming languages as applied to applications. The applications will be from various fields, including but not limited to security, chemistry, physics, physical science, biology, algebra, calculus, geometry, fractal geometry, chaos theory, economics, politics, and game theory. The computer languages to be introduced may include machine language, BASIC, C++, Java, Visual Basic, HTML, JavaScript, security, and others as available.

VISUAL BASIC 1 (Y) (10-12) 1 credit

*Prerequisite: Introduction to Computer Programming

This course provides an introduction to the concepts and skills of object-oriented programming. A structured approach stressing problem solving techniques, documentation, debugging strategies, as well as the fundamental programming structures of modularization, sequencing, selection, and repetition, are stressed for readability. Object-oriented languages, however, allow for greater flexibility and freedom, enabling a more truly interactive approach.

VISUAL BASIC 2 (Y) (11-12) 1 credit

*Prerequisite: Visual Basic 1

This course is designed as a follow-up to the Visual Basic 1 course. It includes further, more focused work with previously introduced concepts such as Variables, Looping, Strings, and Arrays. The course will then introduce new concepts such as graphics, file handling, algorithms, stacks, OLE, and their applications to mathematics and science.

TELECOMMUNICATIONS/MULTIMEDIA 1 (Y) (9-12) 1 credit

This course is intended for those students who wish to sample the wide range of software and telecommunication tools available for use in the personal computing arena. The course includes an introduction to personal computers and basic environmental software (e.g., Windows, LANS, etc.). The telecommunications requirement of the course will be fulfilled through the use of the Local Area Network, the World Wide Web connection, and the Internet available in the classroom. Multimedia is the process of including graphics, sound, video, and voice in the creation of presentations. Students will be required to complete one multimedia presentation using available software.

TELECOMMUNICATIONS/MULTIMEDIA 2 (Y) (10-12) 1 credit

*Prerequisite: Telecommunications/Multimedia 1

This course is designed as a follow-up course to the Telecommunications/Multimedia 1 course. It includes further, more focused work with previously introduced applications such as Microsoft

Office, Internet Explorer, and Power Point. The course will also introduce the student to new applications as well, such as Adobe Photoshop and Illustrator, Microsoft Front Page, audio programs, basic web page design, and others as available.

WEB DESIGN 1 (Y) (10-12) 1 credit

This course introduces the creation, implementation, and management of World Wide Web pages utilizing Microsoft Front Page, HTML, and Adobe products FreeHand, Flash, Fireworks, and Dreamweaver. Students will utilize skills and knowledge gained from the class by helping to organize, design, create, and maintain the Tunkhannock Area School District Website. It is recommended students take Introduction to Computer Programming and Telecommunications/Multimedia I before taking this course.

WEB DESIGN 2 (Y) (11-12) 1 credit

*Prerequisite: Web Design 1

As a follow-up to Web Design 1, this course offers further instruction on the creation, implementation, and management of World Wide Web pages using HTML coding. The course will include a more comprehensive study of HTML, and Adobe products FreeHand, Flash, Fireworks, and Dreamweaver. In addition, new concepts such as Java, JavaScript, Cascading Style Sheets, Forms, Frames, XML, PHP, and other Web Design topics, will be introduced. Students will apply the knowledge and skill base acquired by serving as the 'webmasters' for the Tunkhannock Area School District Website.

ENGLISH

The Tunkhannock Area High School English Language Arts program is designed to make students aware of the important role that language and literature play in their lives. With this goal in mind, the English Department has provided a program of studies that will meet the needs of all students. In order to meet the requirements for graduation, students at each grade level must select from the courses listed on the following pages. **Please note that the college preparatory courses, (Advanced Placement, Honors and Academic), have a required summer reading component.** Students must complete these readings over the summer and they will be tested on them at the beginning of the first marking period.

English courses are aligned with the Pennsylvania Academic Standards for Reading and Writing and are delivered in a scope and sequence as to adequately prepare students for the 11th grade PSSA.

HONORS ENGLISH 1 (Y) (9) 1 credit

Honors English 1 is a demanding college preparatory course. Students who are aggressive learners with a strong desire to be challenged to excel should consider taking this course. The course content consists of a stringent vocabulary enrichment/spelling program, an intense examination of the elements of composition and the writing process, and an in-depth exploration of a broad range of literary works. Literature units will include an examination of the Folk Tradition, Greek and Roman Mythology, epic poetry and selected works by William Shakespeare. Representative novels and short stories from around the world will also be included in our study of literature. Teacher recommendation is strongly advised and should be the basis for admittance to this course.

ACADEMIC ENGLISH 1 (Y) (9) 1 credit

Students who seek a challenging and comprehensive study of the various aspects of their native tongue should elect Academic English 1. This course will begin to prepare students to take the

S.A.T.s in their junior and senior years and will more than satisfy future requirements for entrance into most colleges and business training courses. Emphasis in this course centers on a demanding vocabulary/spelling program, on the varied sentence and paragraphing techniques relative to improved writing and grammar, on the development of active reading skills and on the insightful analysis of internationally-known short stories, dramas and poems.

GENERAL ENGLISH 1 (Y) (9) 1 credit

General English 1 is a survey course covering the study of basic English grammar as it relates to effective written and spoken communication. The course includes units on basic composition skills, techniques of vocabulary development, spelling improvement, and enhanced reading comprehension. In addition, students will be exposed to the essential elements of technical reading and writing. Students will read and study selected short stories, poems, novels, plays, and works of non-fiction pertaining to real world applications. Emphasis at all times will be on the development of students' critical and analytical thinking skills. Course content and skills will also follow the Pennsylvania Academic Standards for Writing and Reading.

HONORS ENGLISH 2 (Y) (10) 1 credit

Honors English II is a college preparatory class devoted to an in-depth study of world literature. The genres incorporated in this study include novels, plays, short stories, poetry and essays representative of the cultural and ethnic diversity of our literary heritage. Vocabulary, grammar, and composition – with emphasis on the literary analysis are integral parts of the curriculum. Students wishing to take this course must consult with their ninth grade English teacher for guidance.

ACADEMIC ENGLISH 2 (Y) (10) 1 credit

This course is designed to meet the needs of students planning to attend college and is devoted to an in-depth study of world literature. Novels, plays, short stories, and poetry expose students to literary and cultural diversity. Grammar, composition, and an intensive vocabulary study round out the curriculum.

GENERAL ENGLISH 2 (Y) (10) 1 credit

This course emphasizes the development of basic writing and comprehension skills. Many types of literature are examined including technical writing and reading with real world applications. Other types of non-fiction, fiction, drama, novels and short stories are included to complement students' preparation for life beyond high school. Continued study of the Pennsylvania Academic Standards for Writing and Reading will characterize this course.

HONORS ENGLISH 3 (Y) (11) 1 credit

This very demanding honors level course is devoted to the intensive study of American literature, composition, vocabulary, and other areas in an effort to prepare students for SATs, PSSAs and college academics. Special attention is given to literary movements from Colonial times to the present. Students are expected to produce at least one research project.

ACADEMIC ENGLISH 3 (Y) (11) 1 credit

This course, which is designed to meet the needs of college-bound juniors, deals with the study of American literature beginning with the colonial era and progressing to contemporary times. Readings included in this course are The Scarlet Letter and To Kill a Mockingbird. Students are expected to produce at least one research project.

ADVANCED PLACEMENT ENGLISH 4 (Y) (12) 1 credit

*Prerequisite: Successful Completion of Honors English 3 and Strong Teacher Recommendation.

Advanced Placement English Composition and Literature is the ultimate challenge for students who have acquired the skills and habits of highly motivated independent learners. The course is designed to resemble an introductory college course in composition and literature. It prepares the students to take the A.P. English exam which is administered in the spring of their senior year. Many colleges will award college credit to students who score well on this exam. Students in this course will engage in intensive study of British literature, complete several independent research projects and papers, write creatively, and make numerous presentations before the class. Class discussion is a vital component of this course. Teacher recommendation is required for students wishing to accept the challenges offered by this course.

HONORS ENGLISH 4 (Y) (12) 1 credit

Honors English 4 is an honors level course examining the development of literary traditions from the Anglo-Saxon and Medieval periods to the mid-twentieth century. Through reading, discussion, research and writing, students will cultivate their communication and critical thinking skills while developing their knowledge of British literary history. Students should have an Honors English background or teacher recommendation for this course.

ACADEMIC ENGLISH 4 (Y) (12) 1 credit

This course is designed to meet the needs of college bound seniors with an emphasis on development of advanced composition skills and literature encompassing the Anglo-Saxon and Medieval periods to twentieth century British Literature.

TECHNICAL COMMUNICATIONS 11 (Y) (11) 1 credit

This course focuses on more in depth aspects of technical writing and reading, higher levels of speaking, problem solving, and visual/nonverbal communication skills. Students will continue to develop critical and analytical thinking skills in this course. Individual and group projects are assigned to students that reflect both career preparation in the technical fields and post secondary educational skills and knowledge. Emphasis will continue on delivering instruction that prepares students for the 11th grade PSSA in writing and reading.

TECHNICAL COMMUNICATIONS 12 (Y) (12) 1 credit

This course is designed primarily for senior students preparing to pursue a degree, certificate, or competency based educational program after high school, as well as for those students pursuing high priority careers in the technical and trade fields. Technical writing and reading experiences and real world simulations of various communication styles and types will be presented to students.

English Electives

JOURNALISM (Y) (9-12) 1 credit

Journalism is designed as an introductory course in journalistic writing and style. The students will gain understanding of selected local and national newspapers as well as practical experience in writing in the journalistic style. Students will be responsible for the production of the school newspaper, The Prowler. This course will not count as a credit toward the English requirement.

JOURNALISM 2 (Y) (10-12) 1 credit

Journalism 2 is designed as an advanced course in journalistic writing and style through the application of broadcasting techniques. The student will gain understanding of selected local and national television news broadcasts as well as practical experience in writing in the broadcast journalistic style. Students will also study and gain practical experience in ENG (electronic news gathering) video production by filming and editing produced news pieces. Students will be responsible for the production of the school television news program, *Tiger Talk*. This course will not count as a credit toward the English requirement.

SPEECH & DEBATE (B) (12) 1 credit

This very demanding course is designed to enhance the oral communication skills, confidence, composure, and ease among people that are so needed in our society today. Communication levels and classroom debating skills will be augmented. Students taking this course will be required to do extensive out of class reading and research in support of various speaking assignments. *This course may be used toward the English requirement.*

CREATIVE WRITING (Y) (12) 1 credit

This course focuses on writing as an art form. The curriculum is designed to help encourage students to develop creative ideas and express them through writing in a variety of forms and genres including poetry, short fiction, play writing, and nonfiction. The Independent Project module offers the opportunity for students to explore other forms independently if they choose (e.g. senior memory book, travel writing, children's literature). This module also encourages students to participate in such varied experiences as studying with an author, joining a writing group, or obtaining experience with a publishing company.

DRAMA THEORY & METHODS (Y) (10-12) 1 credit

This course traces theater from its origins to the present day and examines music, dance, and the cultural and historical influences of the performing arts. Students will engage in the study and discussion of dramatic literature with an emphasis on performance and performers throughout history. Students will also work to develop the essential skills and techniques needed to perform dramatic material. The nature of acting with a special emphasis on characterizations and the correlation of body and voice will be studied. Exercises in relaxation, concentration, and imagination will be paired with select readings, discussions, and acting projects.

NOTE: Courses not used for English requirements may be used for Humanities credit, but will not count for both.

FAMILY AND CONSUMER SCIENCE

The Family and Consumer Science Department focuses on the basic unit of society, the family. Within the department there are five (5) major areas of concentration: foods and nutrition, clothing and textiles, family relations and child development, housing and interior design, and consumer economics. The courses outlined in this curriculum guide attempt to execute the overall philosophy of home economics. All students will acquire practical life skills. College bound students can enrich their academic experience, students pursuing careers in education, social sciences, and nursing gain knowledge of human development and psychology. Tech prep students can gain skills, which are applicable to future employment. All family and consumer

science courses allow students the opportunity to put class theory into practice in every day life situations.

TODAY'S TEEN 1

(B) (9) 1 credit

A comprehensive study of everyday living skills, this course emphasizes the transition from young adolescent to maturing teen. As teens gain more responsibilities and become consumers, knowledge must follow to insure wise choices. Food preparation and safety techniques are reviewed and expanded from simple nutritious snacks to one-dish meals. Dietary problems such as anorexia and high caloric foods are discussed. Students study clothing style selection and construction in class projects and commercial clothing products. Family life issues involving interpersonal relations, marriage, parenting, child care, adolescence, and related topics are covered. Also included are personal and family budgeting and other economic concerns.

TODAY'S TEEN 2

(B) (10) 1 credit

Basic meal preparation from salad to dessert, individual recipe selection, presentation, and the opportunity to select new and unusual foods are offered. Student directed clothing projects from trendy garments to repair/ maintenance are included. Checking, charge and savings accounts, everyday math skills, along with more complex teen-parent issues and teen pregnancy are discussed. Students are exposed to relevant computer programs and realize the application of this technological advancement to the life of a teen.

TODAY'S TEEN 3

(B) (11) 1 credit

Juniors enrolled in Today's Teen 3 will have the opportunity to learn skills in food preparation, housing, clothing, childcare and consumer issues. Students use state of the art home and commercial kitchen equipment and learn more advanced cooking safety and sanitation throughout this course. Students engage in more advanced uses of modern home appliances used in family and independent living including sewing machines, microwave ovens, washer/dryers, ovens, etc.

TODAY'S TEEN 4

(B) (12) 1 credit

Today's Teen 4 is aimed at critical thinking skills. Students explore problems in the areas of food and nutrition, housing choices, wardrobe selection, consumer decisions, and child and parenting relationships. Functioning independently and effectively in society is the goal. Up-to-date computer programming in consumer, nutrition, child development, home decorating, and clothing is extensively utilized by the student to increase knowledge.

FOODS 1

(B) (9) 1 credit

This introductory foods and nutrition course is designed to help 9th grade students increase their knowledge and understanding of how food choices affect one's health and social life. Students gain experience and "hands on" use of modern food equipment including the microwave and food processor. Emphasis is placed on selection of sound nutritional recipes, economical meal planning, and efficient meal preparation. Safety, use and care of equipment, and the importance of good nutrition on the student's present and future health are explored. Computer activities reinforce course skills.

FOODS 2

(B) (10-11) 1 credit

This class is designed for students who want to further their cooking skills. Students will plan, prepare and study regional American food along with food from other countries. The course will be offered to students in grades 10 & 11.

GOURMET COOKING

(B) (11-12) 1 credit

Skills taught in this course include the impact of nutrition on health, the value of wise food choices, conventional food preparation, and purchase of convenience foods. Students will refine basic cooking techniques, explore advanced cooking methods, adapt recipes, and read food labels. Etiquette, table service and restaurant food terminologies also prepare students to cope with varied life situations. Exposure to state-of-the-art equipment and appliances is also included. Computer programs presenting nutrition and consumer situations are utilized. There is a **\$20.00** fee for the class.

FOOD SERVICE (B) (11-12) 1 credit

Food Service, an advanced course, will aid the student in full or part time employment in the food industry. Students considering careers as a chef, restaurant manager, waitress or waiter will learn food preparation techniques, quantity cooking, meal planning, cost analysis, dining room skills, record keeping, and money handling. To provide laboratory experiences, students will operate the "TIGER TOWN CAFE." The "Cafe" is operational for 2 lunch periods, 3 days a week and is open to all students and faculty. The word processor is implemented extensively in the operations of the "Cafe."

CHILD DEVELOPMENT 1 (B) (11-12) 1 credit

Child Development is a course designed for students interested in careers in elementary education, early childhood education pediatrics, nursing, and psychology. The physical, emotional, intellectual, and social development of a child from conception to adolescence is studied. Life-long parenting skills are emphasized. To enhance this experience, students will plan and operate a preschool for 3 and 4-year-old children. Special attention is given to the study of learning through play, reading, and the creative use of toys in the educational process of small children.

CHILD DEVELOPMENT INTERNSHIP (B) (12) 1 credit

*Prerequisite: Child Development 1

This course is for students who are career oriented in working with children, such as an elementary teacher, social worker, social worker, etc. Students will be instructed in advanced skills and techniques for working with and educating children, and be exposed to a modern educational environment and develop useable child centered projects. Throughout the course students will assist elementary teachers in the district. Students will assist the teachers with a wide range of activities, from attendance and recess duties to helping with classroom work and tutoring individual students in reading and math.

FASHIONS AND FABRICS 1 (B) (9-12) 1 credit

In this course, opportunities to increase sewing and construction skills are offered. Projects selected reflect the individuality and ability of the student. Creative items such as small toys, teddy bears, Christmas gifts, and clothing concretely reflect technical skills developed.

FASHIONS AND FABRICS 2 (B) (10-12) 1 credit

*Prerequisite: Fashion and Fabrics 1

Students with experience in sewing construction will improve and perfect through selection of projects from intermediate to expert level. Projects may include craft items done as a leisure time hobby, practical clothing items or prom gowns. Pattern design, pattern alterations, and creative use of material is encouraged. Students will learn to operate and use the latest advances in the home sewing technology including the serger.

FOREIGN LANGUAGE

Students who have the ability or interest in a language are encouraged to begin the study of French, German, Latin or Spanish. From a language course students will increase their understanding of English as well as learn about new and intriguing cultures. Extensive use is made of audio and videotapes, slides, and computers. The global economy and advances in communication technology have made the world more interdependent than ever before. Many universities and colleges are requiring two years of foreign language for admissions. More competitive colleges and universities require three years of a foreign language.

FRENCH 1 (B) (9-12) 1 credit

French 2 gives students the opportunity to begin the study of French language and culture. Students in French 1 enjoy learning to understand and speak French at the basic level. A standard for mastery would be to prepare students to study or vacation in Canada, Europe or in any of the 25 French speaking countries around the world.

FRENCH 2 (B) (10-12) 1 credit

*Prerequisite: French 1

French 2 gives students the opportunity to continue their study of French language and culture. Students will re-activate and strengthen their previously acquired French skills plus learn to expand their ability to communicate. Students will experience French language and culture come alive through interaction with French videos, special presentations, cultural events, and guest speakers.

HONORS FRENCH 3 (B) (11-12) 1 credit

*Prerequisite: French 2

French 3 offers students a real opportunity to enjoy and appreciate France, her people and cultural heritage and the francophone world. Students build a solid foundation of French verbal and structural systems as they develop the background so necessary for college studies, international business or travel abroad. Students will expand their ability to speak French as well as experience French art, music, cinema and elegant cuisine.

GERMAN 1 (Y) (9-12) 1 credit

This course is designed for those students who have never studied German. The students learn the basic grammar and vocabulary necessary for simple conversations. Oral and written repetitions are an important part of the class structure. Cultural similarities and differences between Germany and the United States are emphasized. Videos and computer supplement instruction.

GERMAN 2 (Y) (10-12) 1 credit

*Prerequisite: German 1

This course is designed for those students who have completed German 1. The students expand their knowledge of German grammar and learn more advanced vocabulary. As in German 1, oral and written practice play an important role in the learning process. Many cultural features of Germany are discussed during the course. Again, audio-visual material is used. After the completion of German 2, the student should be able to discuss many daily activities in German.

HONORS GERMAN 3 (Y) (11-12) 1 credit

*Prerequisite: German 2

This course is designed for those students who have completed German 2. The students learn advanced grammar. Much of the reading material will be culturally oriented. Oral and written practice is an essential part of each class period. Students will increase their vocabulary and their understanding of more complicated German structures. With the completion of German 3, the students will have the ability to communicate in German beyond the basic level.

HONORS GERMAN 4 (Y) (12) 1 credit

*Prerequisite: German 3

The students will learn the more advanced structures in German such as relative clauses, and subjunctive, as well as more advanced vocabulary. An important part of this course will be reading German short stories. Students will be able to communicate their ideas and opinions in German. Upon completion of this course, students will be prepared to study German successfully at college and travel to German speaking countries.

CONVERSATIONAL GERMAN AND CULTURE (Y) (9-12) 1 credit

This course is for non-academic students who wish to learn about German language and culture. Basic language expressions, pronunciation, the culture, and traditions of the German people are the main emphasis. Music, holidays, daily life, food, and places of interest are a few of the topics covered in this course. Individual student activities and audiovisual materials are the basis of the course.

LATIN 1 (B) (9-12) 1 credit

Latin 1 is intended for those students planning to pursue careers in law, medicine, pharmacy, ministry, nursing, journalism, linguistics, and literature. Our goal is to learn basic Latin roots and fundamental Latin grammar. Special emphasis is placed on word study in view of comprehending 60% of our English words which have Latin derivation and which are likely to appear on placement exams, civil service exams, and Scholastic Aptitude Tests for college admission. Ancient Roman civilization and culture is studied as well as mythology. Latin is not a conversational language.

LATIN 2 (B) (10-12) 1 credit

*Prerequisite: Latin 1

Latin 2 is a continuation of Latin 1 with emphasis on basic Latin roots and fundamental Latin grammar. Included is the study of ancient Roman civilization and classical mythology.

HONORS LATIN 3 (B) (11-12) 1 credit

*Prerequisite: Latin 2

Classical Latin 3 is extended for students who want to expand their knowledge of Latin syntax, sharpen and deepen their derivative skills, and delve deeper into ancient civilization via Roman literature, history and classical mythology.

SPANISH 1 (B) (9-12) 1 credit

The specific aim of the course is the development of listening, speaking and writing skills with gradually increasing emphasis on stressing correct pronunciation and intonation. Introduction of various cultural topics via video, DVD, maps, photographs and discussion will encourage formation of positive attitudes toward Hispanic culture and ways of life. Pennsylvania State

Standards for World Languages will be employed throughout the course, as well as the standards set forth by the American Council on the Teaching of Foreign Languages (ACTFL).

SPANISH 2 (B) (10-12) 1 credit

*Prerequisite: Spanish 1

Spanish 2 reinforces Spanish 1 and expands the art of communication by introducing key structure patterns. Vocabulary continues to be introduced in context, and practice is provided in reading and writing. The main objective of the course will be to provide a strong foundation in the grammatical concepts of the language, and to encourage students to pursue the study of Spanish. Pennsylvania State Standards for World Languages will be employed, as well as the standards set forth by the American Council on the Teaching of Foreign Languages (ACTFL).

HONORS SPANISH 3 (B) (10-12) 1 credit

*Prerequisite: Spanish 2

At this level of Spanish, class is conducted mostly in the target language. Students will master more complex verb forms and grammatical structures. The combination of these will improve listening comprehension and oral and written self-expression. Students will be offered a wider variety of sophisticated reading materials and will be introduced to analysis and criticism of Spanish literature. Conversational and writing skills are constantly reinforced and increased enabling communication in a variety of situations. ACTFL standards will be followed. This is a dual Certification Course.

HONORS SPANISH 4 (B) (10-12) 1 credit

*Prerequisite: Honors Spanish 3

In this course, the students develop a strong command of the Spanish language with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. They are exposed to the world of literature and current events of Spanish-speaking countries through authentic written texts, including newspaper and magazine articles, literary texts, and other non-technical writings that develop their reading and comprehension abilities. Class is conducted completely in Spanish and includes frequent writing and integration of skills with a rigorous review of grammatical structures. Advanced organizational and analytical strategies are taught. An array of resources is used to facilitate the learning process.

ADVANCED PLACEMENT SPANISH (B) (12) 1 credit

*Prerequisite: Honors Spanish 4

AP Spanish Language is intended for students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. It is assumed that most students will have had substantial course work in the language. Students taking the course, emphasizing the use of Spanish for active communication, have the following objectives: the ability to comprehend formal and informal spoken Spanish; the acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as of modern literature in Spanish; the ability to compose expository passages; and the ability to express ideas orally with accuracy and fluency. Course content encompasses the arts, history, current events, literature, culture, sports, etc. Extensive training in the organization and writing of compositions is an integral part of the AP Spanish Language course. The AP Spanish Language Exam is taken in May each year, and is

scored from 0-5, five being an excellent mark. Students receiving scores of 3, 4 or 5 may receive college credit from the university in which they enroll after high school.

TECHNOLOGY EDUCATION

The Technology Education Department of Tunkhannock Area High School offers a series of courses in a variety of high demand technical areas. These courses are divided into two main categories: **Communication Technology** and **Production Industries Technology**. Courses are available in the following areas:

Graphics	Electronics
Drafting Design	Manufacturing/Metals
Architectural Design	Wood Technology

These subject areas provide students an opportunity to apply knowledge and skills learned in other classes, while allowing students access to the latest hands-on machinery, tools, and computerized equipment used in these fields. Technology Education courses are taught in an area known affectionately as the “Red Tile District” of the high school, where a series of laboratory and shop classrooms provide the necessary setting for in depth study in the technology fields.

Tech Prep Career Pathway

Most of the Technology Education courses offered at TAHS qualify for a special state sanctioned career pathway known as **Tech Prep**. Tech Prep programs offer unique benefits to students interested in pursuing high-demand technical careers. These career paths require continued study at a post secondary institution after graduation, and Tech Prep students can gain admissions advantages and the potential for advanced credit toward an associate or specialized degree if they remain in the Tech Prep pathway. Tech Prep students sign an “Annual Career Objective Form” signifying they are assigned to a Tech Prep career pathway.

The three post secondary schools currently involved in Tech Prep approved programs with TAHS are:

Penn College – Graphic Communications
Penn State University Wilkes-Barre – Electronics and Mechanical Engineering
Luzerne County Community College – Automotive Technology

Tunkhannock Area High School is currently working on additional Tech Prep partnerships with other post secondary schools. Additional agreements may be in place prior to the start of the 2008-09 school year.

Communications Technology and Production Industries Technology courses are grouped into their related fields but are also so named for the official state approved program identified for Tech Prep delivery. All students – academic or technology oriented – have an opportunity to take technology courses to supplement other programs or to explore alternative curriculum areas. **Students enrolled as Tech Prep, however, are given first priority in selecting technology-based courses.**

COMMUNICATION TECHNOLOGY

GRAPHIC COMMUNICATIONS 1 (B) (9-12) 1 credit

Graphic Communications is an introduction to printing and will be divided into four areas: Silk Screen, Offset Printing, Desktop Publishing, and Photography. (Drawing skills are not necessary for Graphic Communications) Students will be introduced to basic Adobe Suite skills. This class also counts towards computer requirements.

GRAPHIC COMMUNICATIONS 2 (B) (10-12) 1 credit

*Prerequisite: Graphic Communications 1

This course concentrates on the features and skills of Adobe CS2 software and will work on a variety of in-house assignments and projects. Students will also be exposed to photographic darkroom techniques used in the graphic reproduction process.

GRAPHICS COMMUNICATIONS 3 (B) (11-12) 1 credit

*Prerequisite: Graphic Communications 2

This course is a continuation of Graphic Communications 2 and is designed to meet the needs of the students who plan to pursue a career in the printing industry. Individual will choose an area of interest and in dept study that includes projects and a research paper.

COMPUTER ANIMATION (B) (9-12) 1 credit

This course is an introduction to the world of animation. Students will learn to use the software that industry uses (3D Studio) to produce many of the most popular animated features of today. All aspects of animation will be covered from storyboard layouts to final renderings. This fulfills one Computer Science/Word Processing credit and one elective. This course uses the Discreet Design Academy series software.

CADD 1: Introduction to Engineering Graphics and CADD (Y) (9-12) 1 credit

This course provides resources for an introductory course in pre-engineering and design. The course reviews design principles, creating sketches using pencil and paper, and uses the latest version of the Autodesk series of software programs including AutoCAD, solid modeling using Autodesk Inventor, and visualization using Autodesk VIZ. This course fulfills one credit for Computer Science/Word Processing, and Electives.

CADD 2: Introduction to Parametric Design and Reverse Engineering (Y) (10-12) 1 credit

*Prerequisite: CADD 1

A “hands on” approach for exploring the concepts and design principles of engineering through the analysis of the engineered products around us. This exploration involves students working individually in small teams to disassemble, record information about a product, and reassemble it. This approach is called “reverse engineering” or sometimes “mechanical dissection.” Autodesk Inventor will be used to apply appropriate mechanical drawing principles. Fulfills one credit for Computer Science/Word Processing and Electives.

CADD 3: Engineering Design and Advance CADD Applications (Y) (11-12) 1 credit

*Prerequisite: CADD 2

Engineering Design Challenges connects students in their classrooms with the challenges faced by NASA engineers as they design the next generation of space vehicles, habitats and technology. Working under the supervision of their teachers, student design, build, test, redesign, and rebuild models that meet specified design criteria. Students employ the same

analytical skills as engineers as they improve their designs. The design challenge culminates in the classroom with each student or team preparing a presentation that describes the process and results of their work. Fulfills one credit for Computer Science/Words Processing, and Electives.

CADD 4: Applying the Engineering Design Process (Y) (11-12) 1 credit

*Prerequisite: CADD 3 plus submission of independent study contract

This course is a challenging application of the engineering design process. In this course, the student will work with the teacher or an approved mentor to focus on a special topic of the student's choosing by self-guided readings, developing and/or running computer simulations and/or laboratory experiments. The first task will be to develop an independent study contract that must be submitted to the teacher prior to completing the CADD to develop an independent study contract that must be submitted to the teacher prior to completing the CADD 3 term.

ARCH 1: Introduction to Architectural Drafting (Y) (9-12) 1 credit

This course provides resources for an introductory course in architectural drafting. The course reviews design principles using Autodesk Architectural Desktop. Fulfills one credit for Computer Science/Word Processing, and Electives.

ARCH 2: Introduction to Architectural Design (Y) (10-12) 1 credit

*Prerequisite: ARCH 1

Students will work independently and in teams to "reverse engineer" or redesign an existing work of architecture. Students will develop skills in the areas of software use (Autodesk Architectural Desktop), analytical problem solving, and teamwork.

ELECTRONICS 1 (Y) (9-12) 1 credit

This course covers the basics of electronics. Emphasis will be placed on component identification and usage in DC and AC circuits. The use of test equipment and the introduction to inductance and capacitance will be coupled with electrical safety throughout the course.

ELECTRONICS 2 (Y) (10-12) 1 credit

*Prerequisite: Electronics 1

This course will cover extended AC and DC theory and emphasis placed on the theory and application of electronic systems using semiconductors (diodes and transistor). Students will design, construct and analyze systems such as power supplies, amplifiers and oscillators. Also covered will be soldering principles and schematic analysis.

ELECTRONICS 3 (Y) (11-12) 1 credit

*Prerequisite: Electronics 2

This course will cover digital logic and industrial control technologies. Digital theory and circuit applications will prepare the student for further studies in microprocessors and digital systems. Industrial controls prepare the student for experience with industrial based components, such as programmable logic controllers and electric sensors.

ELECTRONICS 4 (Y) (12) 1 credit

*Prerequisite: Electronics 3

This course offers independent study of advanced electronics. Students will select an advanced topic of instruction and pursue a research and development phase followed by a design and construction phase. Some topics would be: Digital theory emphasizing design of digital systems, US FIRST Robotics Control Systems, Residential House Wiring Theory, and Laser Technology.

PRODUCTION INDUSTRIES TECHNOLOGY

MANUFACTURING PROCESSES 1 (B) (9-12) 1 credit

An introduction to the capabilities and limitations of manufacturing through utilization of materials, processes, controls, and machines. Through classroom/laboratory activities, students will perform in the areas of metal fabrication, hydraulics and pneumatics, including the application of math and scientific principles. Emphasis is placed on problem solving, safety and development of professional skills and work habits.

MANUFACTURING PROCESSES 2 (B) (10-12) 1 credit

*Prerequisite: Manufacturing Processes 1

Advanced metal manufacturing skills include the design of products, control of quality, design and fabrication of production tooling, machine tool operations and setups of manufacturing systems. Through classroom/laboratory activities, students will organize a company with the goal of producing a high quality product for mass distribution.

MANUFACTURING PROCESSES 3 (B) (11-12) 1 credit

*Prerequisite: Manufacturing Processes 2

Emphasis on manual and computer programming of machine able parts and the integration of computer aided manufacturing (CAM.) Industrial robotics and the automated manufacturing work cell systems in which they operate. The advantages and disadvantages of various automated manufacturing equipment will be discussed. Accident prevention practices and procedure as well as human factors associated with robots and automated systems will also be addressed. This course also includes the evaluation, justification and integration of multiple control technologies to improve a manufacturing process.

WOOD TECHNOLOGY 1 (B) (9-12) 1 credit

This is an introduction to the basics of manufacturing with wood products. Through a project based curriculum students will learn procedures, materials, and machinery to enable the beginner to develop his or her woodworking skills. This is a prerequisite to Wood Technology II and cabinetry.

WOOD TECHNOLOGY 2 (B) (10-12) 1 credit

*Prerequisite: Wood Technology 1

This course is a more in-depth study of woodworking tools, processes, and machinery including cabinetry skills and procedures through classroom/laboratory activities and projects. This class compliments the knowledge and skills acquired in Wood Technology 1.

MATHEMATICS

ALGEBRA 1 (Y) (9-12) 1 credit

Algebra 1 is an introductory course for college preparatory students. It deals with algebraic fundamentals and emphasizes the equation as a means to the solution of problems. Algebra 1 is a very important math prerequisite to many careers and it is recommended that successful completion of this course be attained by all students planning to continue mathematics. This is the first course in our sequential academic mathematics program. Successful completion of this

program requires a firm understanding of the concepts presented in Algebra 1. Our experience has shown that this understanding is exhibited by a final average of C or higher in this course.

PLANE GEOMETRY (Y) (9-12) 1 credit

*Prerequisite: Algebra 1

The traditional approach to plane geometry deals primarily with formal proof, constructions, deductive and inductive reasoning. The student learns to work with various two-dimensional figures and solve problems relating to those figures. All topics necessary for college admission will be included. To be successful, a grade of "C" or better is recommended in Algebra 1.

ALGEBRA 2 (Y) (10-12) 1 credit

*Prerequisite: Algebra 1 and Plane Geometry

Algebra 2 is the continuation course from Algebra 1, offered generally in the junior year to academic majors. The course includes the topics of the number systems, linear equations, and applications, complex numbers, polynomial functions, quadratic relations and functions with applications, and rational equations. To be successful, a "C" or better average is recommended in Algebra 1.

PRECALCULUS MATHEMATICS (Y) (11-12) 1 credit

*Prerequisite: Algebra 1, Algebra 2 and Plane Geometry

Intermediate algebra, analytic geometry, and trigonometry are integrated with other pre-calculus topics to prepare the student for a college math. This course is intended for the student who has successfully completed two years of algebra and one year of plane geometry.

PROBABILITIES AND STATISTICS (Y) (11-12) 1 credit

*Prerequisite: Algebra 2 or permission of instructor

This course consists of the basic concepts of probability, decision making, and probability distributions. Topics include estimates, sample sizes, testing hypotheses, correlation, regression, chi-square distributions, and inferences from two samples.

TRIGONOMETRY (Y) (11-12) 1 credit

*Prerequisite: Algebra 2

This course helps students develop a solid understanding of trigonometric functions and the applications of these concepts to real world situations. It is for the academic or honors students who as successfully completed Algebra II and who will not be majoring in a math intensive field in college; or a math elective.

FUNDAMENTALS OF MATH (Y) (9) 1 credit

Fundamentals of Math show the student how to use mathematical tools. It introduces new ways of looking at old problems to help them improve on their fundamental skills. Students taking Fundamentals of Math are required to take Pre-algebra the following year. This course is available by teacher recommendation only.

PRE-ALGEBRA (Y) (9-10) 1 credit

This pre-algebra program reinforces necessary arithmetical and problem solving skills. In order for students to be successful in Algebra 1 or Basic Algebra, it is essential that the concepts and skills presented in this course be mastered. Experience has shown that the level of mastery needed to be successful in subsequent mathematical courses is a final average of "B" or better.

BASIC ALGEBRA 1 (Y) (9-11) 1 credit

This beginning level algebra course is designed for the student who has successfully completed Pre-Algebra and who learns best when material is presented at a slower pace. It covers most of the same concepts as Algebra 1 using different techniques to accommodate different learning styles and using more everyday applications of algebraic concepts. It should only be taken by students going into a non-math related field in college or technical school.

INFORMAL GEOMETRY (Y) (10-12) 1 credit

*Prerequisite: Basic Algebra 1

Informal Geometry covers all the topics found in Plane Geometry without using formal proofs. It is designed for the student who learns best when material is presented at a slower pace with more attention given to different learning styles and practical applications. A student bound for college in a math related field should take Plane Geometry. A student bound for college in any other field may take Informal Geometry.

BASIC ALGEBRA 2 (Y) (11-12) 1 credit

*Prerequisite: Basic Algebra 1 & Informal Geometry

This is a continuation of Basic Algebra 1 and is taken after Informal Geometry usually in the junior year. It includes most of the same topics as Algebra 2 presented at a slower pace using more practical applications. It is designed for the student going to college in a non-math related field or to a technical school.

MATH ENRICHMENT (Y) (11) 1 credit

Math Enrichment is a course designed to prepare 11th grade students for the Mathematics portion of the Pennsylvania System of State Assessment (PSSA) tests. The curriculum will consist of review of basic mathematical concepts and operations. These will include number relations, computation, estimation, measurement, mathematical reasoning and problem solving, statistics and data analysis, probability and prediction, algebra, geometry, and trigonometry. This is a one credit course required of 11th grade students.

BUSINESS MATH (Y) (11-12) 1 credit

This course targets business related math skills (addition, subtraction, multiplication, and division) as they relate to topics such as: payroll applications, pricing merchandise, interest on savings and loans, bank reconciliation statements, invoicing, and the mathematics of taxes and paying utilities. Students will benefit from the business-related math learned for its practical applications.

Honors Math Courses

The Honors Program is a highly demanding sequence that amply prepares the very able mathematics student for professions such as engineering, sciences or other math-related professions. To enter the honors program you must have earned an 85 or above average in Algebra 1 in 8th grade. You may enter or leave the program at any time; however, you should consult a mathematics instructor before entering the elective courses. The honors program

parallels the college preparatory program and the course descriptions are rather similar. The difference is that each area of the honors program is studied more thoroughly and is usually extended into greater depths.

HONORS GEOMETRY (Y) (9-10) 1 credit

This course parallels the plane geometry program, exploring concepts more thoroughly and augmenting curriculum using extended applications.

HONORS ALGEBRA 2 (Y) (10-11) 1 credit

Honors Algebra 2 includes topics from a second course in Algebra such as in-depth study of quadratics, relations and functions, complex numbers, rational equations and conic sections.

HONORS PRECALCULUS (Y) (11-12) 1 credit

This course includes pre-calculus mathematics topics such as polar coordinates, complex numbers, variables, trigonometry, vector spaces, limit theory, and elementary functions.

HONORS CALCULUS (Y) (12) 1 credit

This class is a review of the theory covered in pre-calculus along with the study of the basic topics of derivatives and integrals. The pace of the class will be slower than Advanced Placement Calculus.

ADVANCED PLACEMENT CALCULUS (AB) (Y) (12) 1 credit

This course is an introduction to college level calculus. An intuitive approach is used to introduce the basic concepts, while the theoretical aspect is presented but not emphasized. Taking the Calculus AB Advanced Placement Test is not mandatory, although topics tested will be covered. A recommendation from the math department is needed to take this course.

MUSIC

MARCHING/CONCERT BAND (Y) (9-12) 1 credit

Students electing this course must show sufficient proficiency on their chosen instrument to function in the concert band and the marching band that plays for football games and parades. This class will be developed and organized according to personnel that would encourage small ensemble performance, sectional preparation, and development of musicianship. Additional practices will be conducted after school as necessary. Concert Band is a four year program broken up into four different levels that correspond to grade levels.

WIND ENSEMBLE (Y) (9-12) 1 credit

Students electing this course must demonstrate outstanding proficiency on their chosen instrument to function in the concert band and the marching band that plays for football games and parades. This class will be developed and organized according to personnel that would be appropriate for a wind ensemble setting and it will encourage advanced musicianship, theory and performance skills. Additional practices will be conducted after school. An audition and director recommendation is required for membership in this course. This ensemble is designed for more advanced performers and will incorporate all the techniques, skills and demands of such an ensemble.

PERCUSSION ENSEMBLE (Y) (9-12) 1 credit

This course will act as an extension of the Marching/Concert Band Program. This course will only be offered to students who are actively participating in the Marching/Concert Band Program. Designed to better meet the needs of our overall band program and the percussion students participating in that program, this course will meet all year long in a 40-minute period. The course itself will consist of: Drum-line work August-November (marching band season), Concert Band and independent ensemble work (November-May), and Spring drum-line (April-June.) Students will be required to participate in the Marching and concert bands, as per the structure of the other courses (i.e. concert band and jazz band.)

JAZZ ENSEMBLE 1 (Y) (9-11) 1 credit

Students electing this course must be recommended by the director based on their proficiency on their chosen instrument and their participation in the middle school music and jazz programs. Students will be recommended from the Marching/Concert Band organization. Although the Jazz Ensemble will meet at a different time, these students must participate in ALL Marching/Concert Band activities. Instruments chosen to participate will be those common to the jazz idiom (saxophones, trumpets, trombones, and rhythm). They will meet on a daily basis and study this American art form. In addition, theory and composition will be utilized in this course. Concerts and tours will be set up accordingly. Additional practices may be set up after school to enhance the concert schedule.

JAZZ ENSEMBLE 2 (Y) (10-12) 1 credit

Students electing this course must be recommended by the director based on their proficiency on their chosen instrument. Students will be recommended from the Marching/Concert Band organization and must have completed at least one year in Jazz Ensemble 1. Although the Jazz Ensemble will meet at a different time, these students must participate in ALL Marching/Concert Band activities. Instruments chosen to participate will be those common to the jazz idiom (saxophones, trumpets, trombones, and rhythm). They will meet on a daily basis and study this American art form. In addition, theory and composition will be utilized in this course. Concerts and tours will be set up accordingly. Additional practices may be set up after school to enhance the concert schedule.

STRING ENSEMBLE (Y) (9-12) 1 credit

This class, which is available to students only with permission from the director, will provide the opportunity for students to continue in their study of a traditional string instrument. String instruments included in the class are limited to the following: violin, viola, cello, and string bass. Students will be classified as beginner, intermediate, or advanced. All students taking this course must provide their own instruments. Students wishing to study cello or string bass may use a school-owned instrument based on availability. If necessary, the rental of instruments may be arranged with the director. Opportunity for performances will be provided and encouraged based on ensemble proficiency.

MUSIC THEORY AND COMPOSITION (Y) (9-12) 1 credit

This is a basic course in music theory, history, writing, and analyzing music. This course involves a hands-on approach to music and exposure to its basic elements. All students will grasp an understanding of the structure of music, how music has evolved, and will be able to read and write music by the end of this course. The course will conclude with one major project as determined by the instructor. This course is open to all students who wish to enhance their knowledge of music.

ADVANCED VOCAL COMPREHENSION (Y) (9-12) 1 credit

This course is designed to meet the needs of the advancing young vocalist. Comprehensive instruction and guided practice will be given in the development of sight singing skills where students will concentrate on the integration of intervals using solfege and numeric syllables. Additional instruction will include music theory and appropriate sound production, body mechanics and breathing. The course will emphasize the study and performance of both choral and solo literature spanning several centuries and genres of music. This course is designed for the student pursuing music/vocal training in the collegiate setting; however a student need not intend to be a future music major to enroll in the course. Students will be expected to demonstrate an active participation in the class and grading for this course will come primarily from class participation and vocal tests. Students will also be expected to perform for specific functions as a group. The class will be limited to those students who express a sincere interest in vocal development & demonstrate above average vocal capabilities. A director recommendation is required for course enrollment.

MIXED CHORUS (Y) (9-12) 1 credit

This is an elective course for students who demonstrate interest, vocal ability and musical awareness. Scheduled performances during the school day and in the evening are part of the requirements of this course. Additional practices will be conducted after school as necessary. Each quarter students will be evaluated individually or in small groups on the musical literature being studied. This course is available to all students in grades 9 through 12 who demonstrate an able vocal ability and can match pitch.

SELECT CHORUS (Y) (11-12) 1 credit

This class is intended for choral students that possess an intermediate or advanced vocal ability. Advanced choral literature will be stressed with a major emphasis on performance. This ensemble will incorporate all the techniques, skills, and demands of an elite performing group that will sing both in local venues and abroad. Additional practices will be conducted after school. Each student will perform in a winter concert, a spring concert, and for the Vespers Service held in conjunction with graduation exercises for the senior class. Students will be required to perform repertoire in several languages, including but not limited to Spanish, French, Italian, Latin and/or German. Student will be evaluated periodically in individual or small group performances on the musical literature being studied. An audition and director recommendation are required for membership in this course.

PHYSICAL EDUCATION AND HEALTH

Physical education, health education, and family life are required courses for high school students. Additionally, health education will be taught in conjunction with the family living program. We strive in our physical education classes to develop lifelong skills and knowledge in maintaining physical fitness and social and emotional well being. Each student will receive one unit of credit toward graduation requirements when the physical education and health programs are completed. Additional, but required credit received for Health and Family Life may accumulate toward required elective credits.

PHYSICAL EDUCATION (1PS) (9, 10, 12) .25 credit

The physical education program provides instruction and participation in individual, team and lifetime sports activities. An emphasis on lifelong fitness compliments information on nutrition and overall good health. Students are expected to have appropriate clothing in accordance with PE faculty guidelines and to participate fully in all activities. Failure to dress and participate in PE class will adversely affect student grades and/or lead to class failure.

School-To-Career Opportunities

School-to-Career opportunities are available for ALL students. For the college bound student intending to invest large sums of time and money into a specialized field of learning, these programs offer practical experience to help ensure that investment is a wise one. For the student entering the exciting and rapidly changing fields of technology, these programs offer valuable hands on experience and a real head start for their careers. All work site placements are planned to enable students to obtain meaningful career related experience in an atmosphere conducive to learning. The major courses and educational experiences of the TAHS School-to-Career Program include: Cooperative Vocational Education, Internship Program, Job Shadowing, Summer Tech Prep Co-Op Program, Skills USA, and Transitional Job Shadowing/Job Training with related transition services.

COOPERATIVE EDUCATION

The Cooperative Education (Co-Op) Program is open to senior students (and juniors on a limited basis) who wish to participate in career related, paid, on the job training throughout their senior year. The student's job training is usually on a daily basis which would require an early release from the traditional academic schedule. Another job training schedule is called ***Intensive Cooperative Education (ICE)*** to allow a work schedule on a full day basis (usually Fridays, or in limited circumstance, Thursdays and Fridays.) All Co-Op students must take related vocational classes.

JOB TRAINING

(*11-12) 1 credit

This course is the on-the-job training portion of the program. It is here that a student finally gets to put into practice the things that they have learned in the classroom. It is the opportunity for school and community to work together to bring students into the real world of work and provide them the necessary technical job skills. Students on Job Training are either **Capstone Co-Op Job Training, or Diversified Co-Op Job Training**. **Capstone Co-Op** is designed for students enrolled in an approved vocational-technical program. The job training enhances and puts into practical application their classroom training. Students may be from Agriculture, Building Trades, Business Education, Automotive Technology, or from the Tech-Prep areas (Communication Technology and Production Industries Technology). **Diversified Occupations** is offered to allow paid on-the-job training in areas where this is no in-school vocational programs, such as health care or culinary arts. **All coop job training students must also be enrolled in cooperative employment skills during their senior year. (*11th grade on limited basis.)**

COOPERATIVE EMPLOYMENT SKILLS

(12) 1 credit

This classroom course includes employment seeking and retention skills (job applications, interviews, employer-employee relations), career planning, social insurance services for workers (social security, unemployment compensation, workers compensation), income taxes, and safety. Enrollment is mandatory for all seniors participating in Co-Op Job Training.

Eligibility for Job Training and Co-Op Employment Skills Credits

Students on approved **Co-op Job Training** are reminded that they must adhere to all cooperative education program regulations (attendance, academics, discipline) to maintain their participation in the program. Students on the Cooperative Education Program must have jobs that are **career related** in nature. Placements will be made with the career interest match up in mind. Any placements brought into the program must be approved on that basis by the School-to-Career Coordinator. All training sites must also provide "Legal Employment" (wages, child labor, workers compensation, tax deductions.)

SCHOOL-TO-CAREER INTERNSHIP PROGRAM (11-12) .25 credit

Internships will be made available to juniors and seniors on a limited, selective basis. Internships will consist of non-paid experience directly related to the students' career objective. The internship is expected to last from 30-90 hours during a quarter or semester. School credit of .25 will be awarded upon the return of a completed "Internship Log" to the Cooperative Education Coordinator and successful completion of the program. Students must provide their own transportation and document that they have medical coverage because workers compensation is not provided since an employer-employee relationship does not exist. The student must have good academic standing and attendance to be considered. Grades will be on a pass/fail basis. They must be sponsored by a classroom teacher.

JOB SHADOWING (9-12) Non-credit

This is a 1-3 day, non-paid job exploration experience to assist a student in determining or fine tuning their career path. Students **MUST BE SPONSORED** by classroom teacher of subject area related to the shadowing field. Students will be expected to report back to their class at the discretion of the classroom teacher. Students must document health insurance coverage since this is not an employer-employee relationship covered by workers compensation.

SUMMER AUTO TECH PREP CO-OP PROGRAM (11-12) 2 credits

This program allows for Auto Tech Prep students to participate in paid, curriculum connected, on-the-job training throughout the summer months. Combined with the on-the-job training are summer classes at the school in the Automotive Technology Areas. The classes contain technical and general (job survival skills) instruction. Total instruction time is expected to be 500 hours (50 classroom and 450 OJT.) Student grades are based on 40% class evaluation and 50% workplace evaluation, and 10% on their work journal.

TRANSITIONAL SERVICES FOR SPECIAL EDUCATION STUDENTS

Paid Job Training and Job Shadowing experiences are available to Learning Support and Life Skills students under the supervision of the Transition Coordinator. In the Job Training aspect, students are awarded 1 credit for each semester of approved job training and may be provided transportation assistance from school to their job site. This also includes pre-vocational skills taught in the program through the utilization of the **Tiger House**. Career testing, career pathways in conjunction with course work already in place, helps guide these special needs students through their transition from school into the community. Along the way, a life long link is established with agencies, community based organizations and services. Such groups include: housing (HUD), CEO, OVR, MH/MR., Social Security, Public Assistance, Children Services, as well as educational centers. The total program attempts to eliminate "gaps" in this transition

while staying connected to any service which may provide and form a link or a “transition” from the school age setting to a work, careers, or recreating setting.

SKILLS USA
(Formerly VICA)

This international vocational youth organization is available for students in any Career and Technology Education Program. Leadership and Technical Skills Competition take place on the district, state, and national level in over sixty categories. The motto of the organization is “Preparing for Leadership in the World of Work.” This organization is the official School-to-Work Fundraising Club that sponsors the end of the year Employer-Employee Appreciation Banquet.

SCIENCE

The science curriculum at TAHS is designed to teach students essential scientific knowledge and skills, while providing opportunities for students to advance their experience in the sciences to higher levels. The Pennsylvania Science and Technology Standards form a content basis for the curriculum, while emphasis on developing more inquiry based learning is a strategic goal of the department. Students are exposed to hands on laboratory experiences in order to continually reinforce the scientific method in all scientific study.

HONORS EARTH SCIENCE **(B) (9) 1 credit**

Honors Earth Science is an in-depth and intense study of the Earth. Special emphasis is placed on “Earth Systems” Science, which attempts to show the connections among Earth’s spheres: the Geosphere (solid earth), the Atmosphere (gases above earth), the Hydrosphere (oceans and fresh water sources), and the Exosphere (solar system and space). A study of human impacts on the planet and solutions to these environmental problems is also explored. Laboratory and research project are integrated into this curriculum which is designed for serious and disciplined students that intend to excel in academics beyond high school.

ACADEMIC EARTH SCIENCE **(B) (9) 1 credit**

Academic Earth Science will be concentrating on how each “sphere” is related to the others – Biosphere (plants & animals), Lithosphere (dynamics of Earth), Atmosphere (beyond the surface, including space) and Hydrosphere (water). Inquiry will become an emphasis in the structure of the classroom. This course is designed for students that will be continuing their education after high school.

GENERAL EARTH SCIENCE **(B) (9) 1 credit**

General Earth Science is a study of Earth’s composition and the dynamic forces that affect Earth’s surface. We will be concentrating on how each “sphere” is related to the others – Biosphere (plants & animals), Lithosphere (dynamics of Earth), Atmosphere (beyond the surface, including space) and Hydrosphere (water). A teacher lead instruction will be an emphasis for the structure of this course. This course is designed for students that will be continuing their education after high school.

HONORS BIOLOGY **(B) (10) 1 credit**

Prerequisite: B or better in Honors Earth Science or Teacher approval.

Honors Biology students will explore the following topics: introductory chemistry, cytology, microbiology, evolution, genetics, ecology, introductory botany and zoology. A variety of

written activities, lectures, investigations, research techniques, and audio-visual materials will be used to explore these topics.

ACADEMIC BIOLOGY (B) (10) 1 credit

Academic Biology students will explore the following topics: introduction to chemistry and biochemistry, cell biology, diversity and classification, plant and animal structure and function, heredity and genetics, and ecology and evolution. A variety of activities, investigations, dissections, lectures, worksheets and audio-visual materials will be used to explore these topics.

GENERAL BIOLOGY (B) (10) 1 credit

General Biology students will explore the following topics: diversity of life and classification, disease, cell biology, bacteriology, cell reproduction and inheritance of traits, ecology, and evolution. A variety of activities, investigations, dissections, worksheets, and audio-visual materials will be used to explore these topics.

SCIENCE ELECTIVES

ADVANCED PLACEMENT BIOLOGY (B) (11-12) 1 credit

*Prerequisite: B or better in Honors Biology or the equivalent.

Advanced Placement Biology students will explore biological concepts in the following themes: science as process, evolution, energy transfers, continuity and change, relationship of structure and function, regulation, and interdependence in nature. Labs will include DNA extraction, advanced microscopy, gel electrophoresis, spectrophotometry and chromatography.

CHEMISTRY (B) (11-12) 1 credit

*Prerequisite: Successful completion of Algebra 1.

Chemistry is the study of matter and its changes. Topics in this course include: classification of matter, measurement, atomic structure, the periodic table, chemical bonding, formulas, equations, chemical calculations, and suitable laboratory investigations.

HONORS CHEMISTRY (B) (11-12) 1 credit

*Prerequisite: Successful completion of Algebra 1

Honors Chemistry is designed for high academic students. Well planned experiments provide some of the basic data from which the student is expected to reason inductively so as to arrive at some of the basic concepts. Organizing data and perfecting the technique of abstract reasoning is stressed. Topics include: mathematics of chemistry, atomic structure, chemical reactions, the periodic table, chemical bonds, stoichiometry, molecular geometry, gas laws, and solutions. Labs are a key component of the course.

ADVANCED PLACEMENT CHEMISTRY (B) (12) 1 credit

*Prerequisite: Successful completion of Honors Chemistry and Algebra 2

The Advanced Placement Chemistry course is a continuation of Honors Chemistry and is the equivalent of a first year college chemistry course. This course is recommended for students intending to enter the science, engineering, or premedical fields. The laboratory is a key component of the course and focuses on analyzing the results of the experiment. Topics included in AP Chemistry are: chemical kinetics, acids and bases, solids and liquids, equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and organic chemistry. Students who complete this course have the chemistry background needed to take the AP Chemistry exam at the end of the year.

PHYSICS (Y) (11-12) 1 credit

*Prerequisite: Successful completion of Algebra 1, Plane Geometry and are concurrently taking Algebra 2

This course will deal with the various major subdivisions of physics. The various concepts will be covered using a more analytical and less strenuous mathematical approach. The course is designed for non-science career students, who have an honest desire to learn Physics. Topics covered include: methods of science and measurement; force, motion, and energy; wave theory, sound, light, optics, and electricity.

HONORS PHYSICS (Y) (11-12) 1 credit

*Prerequisite: Successful completion of Algebra 2 and concurrently pursuing one of the higher-level mathematics courses is highly suggested)

An advanced course for higher ability students with an interest in engineering, pre-medicine, pre-law, or any other math or science related field. The students will deal with a higher echelon of physics material. The honors course in physics will aim at developing the student's abilities to: read, understand, and interpret physical information, including those of verbal, mathematical and graphical natures. Students will describe and explain the sequence of steps in the analysis of a particular physical phenomenon or problem; perform experiments and interpret the results of observations, including making an assessment of experimental uncertainties. A strong mathematics background is necessary.

ADVANCED PLACEMENT PHYSICS (Y) (12) 1 credit

*Prerequisite: Successful completion of Honors Physics or the equivalent

An advanced course for higher ability students with an interest in engineering, pre-medicine, or any other math or science related field. Students will deal with a higher echelon of physics material. The AP course in physics will aim at developing the student's abilities to:

1. Read, understand, and interpret physical information, including those of verbal, mathematical and graphical natures.
2. Describe and explain the sequence of steps in the analysis of a particular physical phenomenon or problem.
3. Perform experiments and interpret the results of observations.

Advanced Placement Physics is structured to prepare students for multiple semesters of physics at the collegiate level. A strong mathematics background is necessary. Successful completion of Algebra II and concurrently pursuing one of the higher-level mathematics courses is highly suggested.

ASTRONOMY (B) (10-12) 1 credit

*Prerequisite: Earth Science, Algebra 1 and Geometry

Astronomy is the oldest of the sciences and this course begins by developing a perspective of the size and scale of our universe. Next, basic science concepts are reviewed, which are then applied in the study and understanding our solar system. The second half of the course involves studying the mysteries of space and time and uncovering a surprising relationship between humans and the stars. Through out the course students will be required to study the nighttime sky and learn the visible constellations.

HUMAN ANATOMY AND PHYSIOLOGY 1 (B) (11-12) 1 credit

*Prerequisite: Successful completion of Academic or Honors Biology and/or approval of instructor.

This course is an in-depth study of the structure and function of the human body. A variety of lectures, activities, investigations and AV materials will be used to explore these topics. This

course is designed for those interested in pursuing health care fields. Subject matter and vocabulary are highly scientific in nature.

HUMAN ANATOMY & PHYSIOLOGY 2 (B) (12) 1 credit

*Prerequisite: Successful completion of Human Anatomy and Physiology 1 and Chemistry

This course is designed for students who have a serious interest in the medical field and have successfully completed the Human Anatomy & Physiology course. It is a continuation of Human A & P in that focus is on systems not covered in Human A & P. Emphasis will be on the physiology and biochemical components of systems with the main focus on maintenance of homeostasis within and among these systems. Methodologies used include current medical and technical news, discoveries and advances, and inquiry based learning in addition to lecture, AV, discussion. Only those who possess a serious interest in the medical fields should consider this course. Students are required to complete a research project.

ECOLOGY- THE FUNDAMENTALS OF ECOSYSTEMS (B) (11-12) 1 credit

This ecology class will acquaint the student with the local and global environment. Students will explore the ecosystems of estuaries, seashores, mangroves, coral reefs, freshwater systems, deserts, tundra, grasslands, forests, caves and suburbia. A variety of written activities, lectures, models, investigations, projects and research techniques will be used to explore these topics. Students will also explore water resources and the problems associated with them, air, the atmosphere, climate, land use, biodiversity, energy, population growth, urban planning, suburban sprawl, food resources and feeding the world into the future. A variety of written activities, lectures, models, investigations, projects and research techniques will be used to explore these topics.

PLANT BIOLOGY/HORTICULTURE (B) (11-12) 1 credit

Plant Biology students will explore the structure, growth, classification, evolution and propagation of plants. In depth studies will include, algae, moss, ferns, gymnosperms and angiosperms. This class will include a variety of investigations, projects and research focusing on the factors that help or hinder the growth of plants. Topics will include agriculture and feeding the world, vegetable and flower gardening, houseplants and the care and maintenance of a greenhouse. Several local field trips and community service projects are implemented through this class and attendance is required.

FORESTRY and WILDLIFE (B) (11-12) 1 credit

Forestry and Wildlife will consist of approximately 9 weeks of forestry and 9 weeks of wildlife. This class will only be offered during the fall semester in the block schedule setting. Our study of forestry is based on dendrology and classification, tree coring, forest regeneration, forest products, orienteering, the history of Penn's Woods, and lastly, the future of Penn's Woods. During the second half of the course we will take a look at both individual and population ecology of different species of wildlife in Pennsylvania. An in depth study will be done on the whitetail deer, black bear, PA elk, and the wild turkey. Other forms of wildlife to be covered include birds of prey, squirrels, cotton tailed rabbit, ruffed grouse, ring-necked pheasant, bobcat, foxes, eastern coyote, otters, and fishers. A variety of activities, investigations, worksheets, field trips, audio-visual materials, and use of our outdoor woodlot will be used to explore these topics. This course may be used to fulfill the third science credit requirement.

ZOOLOGY (B) (11-12) 1 credit

Students will explore the structure, physiology, development and classification of members of the animal kingdom. A variety of lectures, written activities, laboratory investigations and AV

materials will be used to explore these topics. Laboratory investigations will include utilization of microscopes and the study and observation of both live and preserved specimens. Material and vocabulary are scientific in nature. **Dissection is required.**

CRIME SCENE INVESTIGATIONS (B) (9-10) 1 credit

This course is designed as a science elective (not a replacement for a required course) to reach broad interest areas in the sciences including: biology, physical science, earth science, and sociology. In addition, numerous activities also incorporate math, art, analytical skills, and writing skills. Duration of the course will be one semester of a block course. Topics being discussed include but are not limited to: Ballistics, fingerprint analysis, blood types/patterns, dental forensics and analyzing a crime scene. A portfolio style grading policy will be enforced.

SOCIAL STUDIES

The Social Studies curriculum is based on the Pennsylvania Academic Standards for History and as such offers core classes in World and U.S. history, and American government, with the history of Pennsylvania integrated throughout the program. Skills in chronological understanding, historical comprehension, research, critical thinking, and context are important concepts included in social studies instruction. Awareness of society and of responsible citizenship are themes stressed throughout the various disciplines within the department. Students who are interested in pursuing careers associated with the social science field should make every effort to take as many social science courses as their schedule permits.

HONORS WORLD HISTORY (B) (9) 1 credit

Honors World History covers the time period from the Middle Ages through the Modern Era. and is intended to include the whole of human experiences in Western and non-Western histories. While studying the events and experiences of global history, the major units of study will include: politics and government, legal systems, the economies of civilizations and nations, societies and the cultural traits that bind them, mankind's interaction with the environment, and the significant personalities and leaders of the ages. Also studies will be intellectual history concerning the ideas that have motivated and directed the actions of societies. A heavy emphasis will be placed on evaluating the events of the past in terms of their correlation to today's society. High-level critical thinking skills will be stressed in the course in conjunction with numerous readings and written assignments. Students should possess advanced note taking and listening skills for this course. Independent work involving research will be required. Students will be expected to prepare for class discussions such as Socratic seminars and produce high quality products in all aspects of their assignments. Topics involving current events will be included. Self-motivation and active engagement are required for students.

ACADEMIC WORLD HISTORY (B) (9) 1 credit

The study of World History will give students the opportunity to explore recurring themes of human experience common to civilizations around the globe from the Middle Ages through the Modern Era. As students examine the historical roots of significant events, ideas, movements, and phenomena, they encounter the contributions and patterns of living of civilizations around the world. Emphasis will be placed on the analysis of events, interpretation of historical viewpoints, cause and effect relationships, and the evaluation of historical events as they compare and contrast to modern times. Assignments include written responses to current issues and Internet research projects. Films and documentaries will be shown as supplementary materials to various themes of areas of studies. Topics involving current events will be included.

GENERAL WORLD HISTORY (B) (9) 1 credit

The study of World History will give students the opportunity to explore recurring themes of human experience common to civilizations around the globe. Major events will be reviewed but the major emphasis will be the study of eras from the Middle Ages through the Modern Era. As students examine the historical roots of significant events, ideas, movements, and phenomena, they encounter the contributions and patterns of living civilizations around the world. Topics involving current events will be included. Films and documentaries will be shown as supplementary materials to various themes of areas of studies. Students are expected to participate in discussions related to assigned readings and current events.

HONORS UNITED STATES HISTORY (B) (10) 1 credit

This course deals with the social, political, economic, and cultural aspects of United States History. Course content will stress the significant events, personalities, technology, and the forces of change and continuity that (not only) form the story of our country (but also influence contemporary society. Emphasis will be placed on a solid understanding of the chronological order of American historical events and contextual, analytical, and evaluative thinking skills. The course will utilize a conceptual approach to the study of American history in conjunction with the chronological presentation of material. High expectations are in place for reading (comprehension) written (and oral) expression. (Students are required to be actively engaged in all aspects of the course. Self motivation and independent learning are also essential components for students) United States History will cover the time period from the post Civil War period to the present.

ACADEMIC UNITED STATES HISTORY (B) (10) 1 credit

The course will present a chronological, in depth study of United States history stressing the social, economic, cultural, and political implications of events and experiences that shaped our country's history. Students will utilize high order thinking skills in conjunction with the chronological study of events. Written expression and independent reading will be important features of the class. The course covers the post Civil War period to the present.

GENERAL UNITED STATES HISTORY (B) (10) 1 credit

This course of study teaches the traditional content of United States history from the (post civil war period) to the present. Units of study are presented chronologically and stress key events, people, ideas, technology, and trends. Historical material will be organized into the categories of economics, social/cultural, and politics and government. Students will be expected to evaluate and assess the historical events studied in this course.

HONORS AMERICAN GOVERNMENT (B) (11) 1 credit

This course is a comprehensive study of the governmental and political systems of the United States, and will cover the organization, operations, and philosophical basis for our system of governance. Emphasis will be placed upon how the government, established by the Constitution, embodies the purposes, values, and principles of American democracy. The intent of the course is to have students acquire an understanding of the rights and responsibilities that are essential for citizens and voters. A high degree of critical thinking skills, readings, written (and oral) expression and independent work will characterize the course. (Self-motivation and active engagement are required for students.)

ACADEMIC AMERICAN GOVERNMENT (B) (11) 1 credit

The course will study the organization, operations, and philosophical basis for our system of government. The principles, purpose, and values of the U.S. government system will be studied

within the context of the Constitution. Students will be expected to utilize higher order thinking skills as they study the content of the course (and prepare for the rights and responsibilities as citizens and voters.) Language arts skills in reading and writing will be an important part of the class.

GENERAL AMERICAN GOVERNMENT (B) (11) 1 credit

This course will study the American system of government and its basis in the U.S. Constitution. Students will learn about the organization and operations of the government, while reinforcing the principles and values that are the basis of our legal and governing system. The course stresses the role of an individual in our democratic society. Fundamental literacy skills and the practical application of content will characterize the course.

ADVANCED PLACEMENT U.S. HISTORY (B) (11-12) 1 credit

*Prerequisite: Two honors level core courses in social studies students with a minimal final average of 86% in each class, and recommendations from two social studies teachers.

The advanced placement program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and resources in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full year introductory college courses. Students will learn to analyze and assess historical materials, apply relevance to a given interpretive problem, and measure their reliability and importance in context. Students will be expected to evaluate evidence and interpretations presented in historical scholarship. The course will stress the skills necessary to arrive at conclusions on the basis of an informed judgment and to present ideas clearly and persuasively in written format. The course complies with the standards established by the College Board.

ADVANCED PLACEMENT WORLD HISTORY (B) (11-12) 1 credit

*Prerequisite: Two honors level core courses in social studies students with a minimal final average of 86% in each class, and recommendations from two social studies teachers.

The AP World History course offers highly motivated students the opportunity to immerse themselves into the study of World History by stressing high order thinking and language arts skills. The program of study stresses the integration of events, personalities, philosophies within the context of the social sciences. The course offers a balanced global study of world history with emphasis on Asia, Africa, the Americas, and Europe. Students will study and overview of the development of organized societies and civilizations and move to a more detailed study of the world from 1450 to the present. Discussions, essay writing, analyzing primary source documents and a heavy emphasis on reading will characterize the expectations of the course. The program prepares students for intermediate and advanced college courses by matching many of the expectations of a full credit introductory college courses. The content and expectation of the course comply with the standards established by the College Board.

PSYCHOLOGY (B) (11-12) 1 credit

Psychology is the social science that deals with the study of human and non-human behavior. Human psychology is a far-ranging field for it covers all aspects of the ways human beings

behave. The subject matter of psychology is you - how you think, feel, react, learn, remember, perceive and develop as a human being. The course will emphasize analysis, evaluation, and application in studying course content. High expectations for reading, interpretation of data, and written expression will characterize the course.

SOCIOLOGY (B) (11-12) 1 credit

The course is a comprehensive approach to the studying of society, human behavior, and the reciprocal influence of both. Students are challenged to apply concepts learned in class to explore major social/cultural, economic, and political issues facing our culture and others both past and present. Emphasis will be placed on group discussion, intellectual debate, current event articles and reports, and written expression. Important intellectual skills in analysis, evaluation, and application will be utilized.

WORLD WAR II (B) (11-12) 1 credit

The study of World War II will give students the opportunity to explore themes of war propaganda, ideologies, fanaticism, military warfare and strategies, and major battles related to all theaters of war. There will be an emphasis placed on the study of the Holocaust. Classic, modern, and foreign WWII films and documentaries will be viewed to compliment specific units of studies. Assignments will include written responses to readings, special group projects. Whenever possible, guest speakers will be scheduled to share their war and/or military experiences.

YEARBOOK

YEARBOOK (11-12) 1 credit

This is a course in the design, layout and production of the school yearbook, *Awanatunk*. Focus will be on theme development, cover design, layout design, for sections, digital photography and sales promotion. It is intended for college-preparatory English students that are committed to working on a professional quality publication.

PERIPHERALS

Peripherals are 22 to 23 day mini-courses that are designed to satisfy specific PDE requirements. They are taken in conjunction with Physical Education in the 9th and 10th grade years. They are graded on a P/F basis.

HEALTH/FAMILY LIFE (P) (9) .25 credit

Each student will be required to complete a planned course in health education. This planned course may be given in a single year for students in grade 9. However, in some cases, the physical education department reserves the right to offer this planned course in segments in conjunction with the family living program. Drug and alcohol and AIDS education will be included in this course.

LIBRARY ORIENTATION (P) (9) .25 credit

A 22-day hands-on course designed to help freshmen effectively utilize resources in the high school library. In addition to helping student to locate materials, this orientation includes instruction on the on-line catalog and Power Library. This quarter-credit course will be offered in conjunction with Health and Physical Education courses.

CREATIVE LIVING (P) (9) .25 credit

This is a 22-day Family and Consumer Science class designed for all 9th grade students. Child development, personal self-awareness and communication skills are discussed. Students will

prepare nutritious recipes and sew a small project. This quarter-credit course will be offered in conjunction with Health and Physical Education courses.

WRITING SKILLS (P) (9) .25 credit

All students in 9th grade enrolled in this course will review the essential steps in the writing process and then be given an opportunity to further refine and polish their skills through guided practice. They will work with outlines and graphic organizers as they develop written pieces designed to prepare them for the rigors of the PSSA and the SAT writing tasks. Ultimately, this course should help the students to hone their academic writing skills with a view toward preparing them for the challenges of post-secondary education.

ART APPRECIATION (P) (10) .25 credit

Art Appreciation is a required 22 day course designed to provide an art experience for all sophomores. The course includes an introduction to basic drawing skills and elements of design, the application of such to at least one project and exposure to some of the world's greatest art.

MUSIC APPRECIATION (P) (10) .25 credit

This class is schedule to meet for a thirty 22-day session for 40-minutes per day and is required of all 10th grade students as per Pennsylvania State mandate. An overview of the various aspects and areas of the Musical Arts will be reviewed and discussed. The use of related videotapes and other multimedia will be used to enhance the classroom presentations. This quarter-credit course will be offered in conjunction with Health and Physical Education courses.

TECHNOLOGY BASICS (P) (10) .25 credit

Each student in grade 10 will complete planned instruction on the basics of Computer Technology to fulfill the requirements of the Pennsylvania State Science and Technology Standards. These requirements include the History of Computing, the Parts of the Computer, the Development of Software, and a discussion of the Internet. This quarter-credit course will be offered in conjunction with Health and Physical Education courses.

FAMILY LIFE/HEALTH (P) (10) .25 credit

All students in 10th grade will be required to successfully complete a planned course in family life education. The class provides information and experiences designed to reinforcement wholesome attitudes and favorable behavior patterns enabling them to function as responsible citizens in society today. Classes are designed to use techniques that will provide accurate information while also presenting students with an opportunity to discuss and share ideas with peers. The Endocrine System, Male and Female Reproduction, and HIV/AIDS education will be included in the course.