

# Stroudsburg High School Stroudsburg Junior High School



Grades: 8-12

## Program of Study

Cover Design  
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# Program Of Study

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**District Website: [www.sburg.org](http://www.sburg.org)**

The Stroudsburg Area School District Equal Opportunity (Nondiscrimination) Policy

The Stroudsburg Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, gender, national origin, and handicap in its activities, programs or employment practices as required by Title VI, VII, and IX, and Section 504.

For information regarding civil rights, or grievance procedures, contact Laura Connolly, Assistant Superintendent, 503/504 Title IX - Title VI Coordinator, at 123 Linden Street, Stroudsburg, PA 18360. Phone: (570) 421-1990.

For information regarding services, activities and facilities that are accessible to and usable by handicapped persons, contact Laura Connolly, Assistant Superintendent at (570) 421-1990.

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## Keystone Exam Proficiency & Graduation Requirements

To meet graduation requirements, you must successfully complete the course sequence in English, Mathematics, Science, Social Studies, Health, Physical Education, Engineering Technical Concepts, This Is Your Life and Career Planning. A total of 23.50 credits is required for graduation. You must schedule 6.5 credits per school year, not to exceed 8 credits.

Keystone Exams will be administered after the completion of the Keystone related course.

In addition to earning 23.50 credits, you must demonstrate proficiency on the Keystone Exams in order to qualify for a high school diploma defined under Graduation Requirements as listed below.

Currently, if you have not met proficiency on any of the Keystone Exams, you will be recommended for remediation prior to retaking the exam. If the above criteria is not met, other graduation considerations will include (dependent upon state approval):

- Proficiency on Keystone retest.
- Passing grades on the National Occupation Competency Testing Institute (NOCTI) (both theory and performance tests) for career-technical or regular education program completer students in state approved educational programs.
- Successful completion of academic IEP goals and objectives by students with disabilities.
- SAT or ACT scores.
- Demonstration of proficiency in English Literature, Algebra I and Biology classes and successful completion of remediation.

The Pennsylvania Department of Education website, [www.education.state.pa.us](http://www.education.state.pa.us) has helpful links on standards, the Keystone Exams, and other school-related topics.

Updated statewide graduation requirements take effect for the graduating class of 2022. Information regarding new graduation requirements will be communicated with students and parents during the 2018-2019 school year.

# Stroudsburg Area School District Graduation Requirements

To meet graduation requirements you must successfully complete the course sequence in English, Mathematics, Science, Social Studies, Health, Physical Education, Engineering Technical Concepts, This is Your Life and Career Planning.  
23.50 credits are required for graduation. You must schedule 6.50 credits per school year, not to exceed 8 credits.

9th grade	10th grade	11th grade	12th grade
<b>English (choose 1)</b> American Literature H English 9 CP English 9 English 9 W	<b>English (choose 1)</b> World Literature H English 10 CP English 10 English 10 W	<b>English (choose 1)</b> Language & Composition AP English 11 CP English 11 English 11 W	<b>English (choose 1)</b> Literature & Composition AP Composition CP (.5 cr) and one Literature elective (.5 cr) English 12 Reading/Writing Workshop <b>Total of 4 credits for graduation</b>
<b>Mathematics (choose 1) (1)*</b>  Algebra 1A  Algebra 1 CP  Algebra 1 CP (extended time)  Algebra 2 CP (Algebra 1 CP & Geometry CP completed)  Algebra 2 H (Algebra 1 CP & Geometry CP/H completed)  Geometry CP (Algebra 1 CP completed)  Geometry H (Algebra 1 CP completed)  Geometry H (Algebra 1 CP & Algebra 2 CP/H completed)	<b>Mathematics (choose 1)</b>  Algebra 1B  Algebra 2 CP Algebra 2 H  Algebra 2 Algebra 2 (extended time) Algebra 2 CP  Algebra 3 & Trigonometry CP Algebra 3 & Trigonometry H  Algebra 3 & Trigonometry H  Precalculus H  Algebra 2 CP  Algebra 2 H  Algebra 3 & Trigonometry CP Algebra 3 & Trigonometry H Precalculus H	<b>Mathematics (choose 1)</b>  Algebra 2  Geometry CP Geometry H  Geometry Geometry CP  Precalculus H  Precalculus H AP Calculus AB  Algebra 3 & Trigonometry CP Algebra 3 & Trigonometry H  Pre Calc H  AP Calculus AB	<b>Mathematics (choose 1)</b>  Geometry  Discrete Math & Trigonometry CP Algebra 3 & Trigonometry CP Algebra 3 & Trigonometry H  Transition to College Math CP Discrete Math & Trigonometry CP Algebra 3 & Trigonometry CP  AP Calculus AB Statistics & Probability H  Statistics & Probability H AP Calculus AB AP Calculus BC  Precalculus H Statistics & Probability H  AP Calculus AB Statistics & Probability H  AP Calculus BC Statistics & Probability H <b>Total of 4 credits for graduation</b>
<b>Science (choose 1)</b> Physical Science H Physical Science CP Keystone Cell Biology & Ecosystems	<b>Science (choose 1)</b> Biology H Biology CP Keystone Biology & Unity of Life	<b>Science (choose 1)</b> Chemistry H Chemistry CP Chemistry 1	<b>Science (choose 1)</b>  Science class to equal one additional credit (5)*  <b>Total of 4 credits for graduation</b>
<b>Social Studies (choose 1)</b> Civics, Govt & 19th Century H Civics, Govt & 19th Century CP Civics, Govt and 19th Century	<b>Social Studies (choose 1)</b> 20th & 21st Century Globalization H 20th & 21st Century Globalization CP 20th & 21st Century Globalization	<b>Social Studies (choose 1)</b>  Social Studies electives to equal one additional credit	<b>Total of 3 credits for graduation</b>
<b>Additional Course Requirements</b> Physical Education (required)(2)* This is Your Life (required)	<b>Additional Course Requirements</b> Physical Education (required)(2)* Health (required) (2)* Career Planning (required) Engineering & Technical Concepts (Required) (4)*	<b>Additional Course Requirements</b> Physical Education (required)(2)*	<b>Additional Course Requirements</b> Physical Education (required)(2)*
<b>Electives or MCTI Program area</b> Arts and Humanities (3)*	<b>Electives or MCTI Program area</b>	<b>Electives or MCTI Program area</b>	<b>Electives or MCTI Program area</b>
<b>6.5 - 8.0 credits per year</b>	<b>6.5 - 8.0 credits per year</b>	<b>6.5 - 8.0 credits per year</b>	<b>6.5 - 8.0 credits per year</b>

\* (1)-(5) – see information at the top of page 4 for explanation  
 AP = Advanced Placement, H = Honors, CP = College Prep, W = Workshop

- (1) Math course sequence will vary depending on your needs.
- (2) Physical Education and Health: 1.25 credits are required for graduation, Physical Education is taken each school year for .25 credit, and Health is required to be taken for one semester during grades 10, 11 or 12.
- (3) Arts and Humanities: You are required to take at least 2.0 credits in elective courses from the following departments: Art, English, Family & Consumer Science, Music, Social Studies, Technology, and World Languages.
- (4) Career Planning and STEAM systems are required for graduation. If you attend MCTI and complete your program area, you are not required to take STEAM systems. In addition, if you take a technology class in 9th or 10th grade, you are exempt from STEAM systems.
- (5) If you attend MCTI for three years, you are also waived from taking an additional science class.

## Scheduling Instructions

The Stroudsburg Area School District Program of Study will be distributed each spring in an effort to provide you the most up-to-date information available regarding your graduation requirements and scheduling your classes for next school year. The course descriptions are included and you should review them carefully before making your selection. You need to consider very carefully what courses and what curricular levels you are choosing in an effort to get the most out of your high school education. In addition, these decisions should be a joint effort involving you and your parents/guardians. An individual counseling session will be scheduled for every high school student. This will give you an opportunity to speak privately with your counselor about selecting appropriate courses for your post-secondary plans including career and college planning and to discuss your individual ability level as it relates to course difficulty. The school finalizes your schedule and placement in courses based on your current academic and classroom performance. Administration and School Counselors will do everything possible to schedule you into the courses you have selected, but the master schedule construction may dictate alternate course selections. Finally, it is your responsibility to complete all necessary forms and return any paperwork with required signatures in order to finalize the scheduling process.

### How to use the Program of Study (POS):

As you begin your journey to find a career, it is beneficial to use all of your resources. One of the best resources you have is in your hand, and it is the Program of Study (POS). This newspaper is made available to help you and your family make the most informed decisions regarding your high school classes and your schedule for each school year.

To begin:

1. Familiarize yourself with the POS and each of the different sections.
2. Review the SASD graduation requirements.
3. Spend some time reviewing each of the clusters (1 to 5).
4. Determine which cluster(s) you are most interested in, note the cluster number (#).
5. Now look at all of the electives divided by departments that are set up into a grid format.
6. Each elective is then divided by course number, page number, the grade the course is offered (indicated by the “x” in each column), and the cluster # which indicates if the elective would be recommended for that particular cluster.
7. Once you review this information, you can then move onto the next section where you will find all of the course descriptions that correspond with the pages on the elective grid.

8. Please make sure you also review the Monroe Career and Technical Institute (MCTI) section where there is an explanation of the available program areas.
9. The last section is for 8th-grade students at the Junior High School and all of their curricular offerings.
10. The back page is where you will find the Course Planning Chart where you and your family can plan out your classes for the next few years. This is only a guide to help you plan ahead.

## On-line Instructions for Scheduling Electives

Student Scheduling on the Parent Portal will be open for a specified period during the Spring. In order to complete the course selection process successfully, please have the following information in front of you at the computer as you begin:

- The current Program of Study.
- Your most recent report card.

### Web Portal Instructions

- Connect to the Internet and locate the District Web Page at [www.sburg.org](http://www.sburg.org).
- On the right-hand side of the screen about half-way down, click the blue “Sapphire” icon.
- Using your parent/student portal information, enter your username (student ID), password, and PIN # in the appropriate section and log-in.
- Your name will appear at the top of the screen. Be sure it is correct.
- Locate your name and click on it.
- Click on course request tab.
- Follow the remaining directions on screen.

## Policy on Program Changes

A program selected after careful study and consultation between you, your parents/guardians, teachers, and just counselor should require no major change. The “Course Selection” form is a contract between you and your school. The school will attempt to guarantee that you will get the courses you select.

If you wish to initiate a change in your original course requests, you are urged to do so prior to the end of the current school year.

You may change your chosen schedule of courses by counselor availability during the summer. Changes to schedules after the school year begins are subject to availability and other criteria outlined in the Student Handbook.

**You may not drop a class to take a study hall.**

## Course Level Waivers

Recommendations for Honors, Advanced Placement, College Prep, Core and Workshop/Remedial level classes are made based on classroom and academic performance, as well as, review of standardized test scores (CDTs, PSSA, etc.). If you are not recommended for a particular level, you may choose to sign a Course Waiver. A Waiver Form must be requested from the school counselor in order to obtain a change in the level of a course not recommended by the department. The school’s course-drop policy expects that you remain in the class(es) chosen until completed. However, should it be determined that it is in your best interest to drop the course, you will meet with your assigned school counselor to request a schedule change. No course may be dropped for a study hall, and all requested changes will be dependent upon the newly selected course availability and principal’s approval. No change in the schedule will be considered until your parent(s)/guardian(s) has received the first progress report for the course(s). If you receive permission

through Administration to drop the class, you will receive a WF (Withdraw Fail). Exceptions to this WF rule may be appealed directly to the building principal. Any Waivers submitted to the guidance office within the scheduling window (see due date on the Waiver Form) will be admitted to the class. Those submitted past the due date are subject to course availability.

## Concurrent Enrollment

If during your senior year you wish to pursue college courses while enrolled in high school, you must complete an application requesting permission. The applications are available in the guidance office. You are required to submit a letter from your parent(s)/guardian(s) indicating their support, approval, and understanding of the costs involved including transportation and tuition at the time of application. The request must be approved by the principal. The school district will not be responsible for any costs involved in this pursuit. You can earn up to a total of eight (8) credits per school year. All courses taken at the high school will receive credit as outlined in the Student Handbook. If you are requesting to take college courses, you must exhaust the academic offerings of the high school and no substitutions for required courses can be made. College courses do not count as credit towards GPA and class rank. One high school elective credit will be granted for each three-credit college course successfully completed. Any additional courses taken at the college level may be attached to transcripts. It is your responsibility to make sure an official transcript from the college is issued to the high school.

## Early Graduation Compressed Scheduling

With administrative approval, you may request early graduation/compressed scheduling under the following conditions:

- All graduation requirements must be met according to the Program of Study.
- Scheduling is contingent upon course availability. Independent study may not be substituted for a required course.
- Class Rank will be frozen at the conclusion of the Sophomore year. (Note: for purposes of college admissions, your class rank will be sent to the college as it existed at the end of the sophomore year with a notation attached to the high school transcript indicating why that condition exists.)
- Early graduation eliminates eligibility for Valedictorian or Salutatorian.
- A letter signed by your parent or guardian must be turned into the guidance office which states you are aware of the above conditions associated with graduating early before the compressed scheduling can occur.

## Academic Programs

### Advanced Placement Program

The Advanced Placement Program (AP) is an internationally recognized program of specific courses and curriculum sponsored through The College Board. These college-level courses prepare you to take the Advanced Placement Exams which can lead to advanced standing in college and college credit. The AP Program gives you the opportunity to experience college-level work in high school and gain valuable study habits. An AP course enables you to gain academic maturity and readiness for college. You should expect additional daily reading and/or practice assignments with all AP level courses. Stroudsburg High School offers many demanding AP courses in English, Social Studies, Mathematics, Science, Music and Art and are primarily offered to juniors and seniors. For additional information on the Advanced Placement Program, visit the following College Board site: <http://www.collegeboard.com/student/testing/ap/about.html>

### Honors Program

The Honors Program (H) is a program designed to prepare you to continue your education after high school. Students enrolled in honors courses are held to high standards of excellence. These courses require that you develop higher than usual critical-thinking and problem-solving skills. The Honors courses require more independent learning and include more long-term assignments. Class participation and grading expectations are higher. This is accomplished with a well-planned and appropriate curricular program that is realistic as well as challenging.

### College Preparatory Program

The College Preparatory Program (CP) is a program designed to prepare you to continue your education after high school at a college, university, and/or a post-secondary Career and Technical School. Classes will foster the development of critical-thinking and problem-solving skills. This is accomplished with a well-planned and appropriate curricular program that is realistic as well as challenging.

### Core Program

The Core Program is designed to put curriculum and theory into practice. The emphasis is placed upon the skills needed to function in an increasingly complex world. Typically, this program is designed to prepare you to enter a technical school, community college, two-year college, or the workplace directly out of high school.

### Workshop Program

The Workshop Program is designed for you to meet success in your curricular offerings. It is provided with modified course work to meet graduation requirements.

*Note: All students are required to demonstrate proficiency in state-developed Keystone Exams in order to meet graduation requirements regardless of academic program as prescribed by the Pennsylvania Department of Education.*

## College Entrance Exams

If you wish to take the SAT or ACT exam, you must register online for these exams in the spring of your junior year. Stroudsburg High School is not an approved test site for either exam.

For the SAT, go to [www.collegeboard.com/sat-register](http://www.collegeboard.com/sat-register)

For the ACT go to [www.actstudent.org](http://www.actstudent.org)

**The Stroudsburg High School code for both exams and all college applications is:**

**394715**

Every October, Stroudsburg High School encourages juniors to take the PSAT (practice SAT). Interested sophomores are also eligible to take the PSAT. Stroudsburg High School is an approved site for the PSAT only. Registration is completed in person in the High School guidance office.

## NCAA Student-Athlete Eligibility

If you are seeking to participate in college-level athletics, you must meet academic eligibility requirements established by the National Collegiate Athletic Association (NCAA). Because recent changes have been implemented for Divisions I and II colleges & universities, it is important for you to be aware of the classes you choose to fulfill eligibility requirements. As a student-athlete, the NCAA and college admission professionals expect you to compare your course selections and high school transcript to the NCAA requirements. A worksheet to assist you and your parents with

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 eligibility requirements is available on the NCAA web site: [www.ncaa.org](http://www.ncaa.org). This site also includes the link to register with the NCAA in your junior year of high school.

This Program of Study indicates which Stroudsburg Area School District core courses count towards NCAA eligibility at the time this document went to print. However, the NCAA retains the right to make changes to the approved list at any time without advanced notification. The courses that may count toward NCAA eligibility and clearinghouse are noted in the course title as (NCAA).

## Co-curricular Athletics & Activities

As a student of the Stroudsburg Area School District, you are given the opportunity to participate in a broad range of co-curricular activities. These are designed to foster personal development and enrich your high school experience. Athletics and activities are an extension of the educational program in the Stroudsburg Area School District. You learn important lessons such as good sportsmanship, teamwork, time management, and the establishment of a work ethic. Athletics and activities also help you build self-esteem, self-discipline and responsibility helping to foster success after graduation. Research has shown that students who are involved in co-curricular activities tend to have higher grades, less discipline problems and better attendance. You are strongly encouraged to become involved in one or more of the many offerings that we have in athletics and activities. For the most up-to-date information, contact your school guidance office or the Athletics and Activities Office.

### Sports Offered

Fall	Winter	Spring
Cheerleading	Boys Basketball	Baseball
Boys' Cross Country	Girls' Basketball	Girls' Soccer
Girls' Cross Country	Cheerleading	Softball
Field Hockey	Boys' Swimming	Boys' Tennis
Football	Girls' Swimming	Boys' Track & Field
Golf	Wrestling	Girls' Track & Field
Boys Soccer	Rifle	
Girls' Tennis		
Girls' Volleyball		

### Activities & Organizations Offered:

High School	Junior High School
Amnesty International	Building Buddies
Art Club	Chamber Orchestra
Aavidum	Chess Club
Band	Diversity Club
Best Buddies	Drill/Step Team
Bowling Club	Future Business Leaders of America
Chamber Orchestra	Freshman Class
Chess Team	Jazz/Marching Band
Chorale	Model Congress J. H.
Color Guard	Science Olympiad
Debate Team	Show Choir
Diversity GSA	Ski Club
Drama Club	Spelling Bee - 8/9
Drill Team	Stock Market Club
Environmental Conservation Club	Student Ambassadors

FUSFOO	Student Council
Future Business Leaders of America	Technology Student Association
Girls' Varsity S	Yearbook Club 8/9
Hiking Club	
Interact Club	
Jazz Band	
Junior Class	
Key Club	
Marching Band	
Math Club	
Mock Trial	
Model UN / Model Congress	
National Honor Society	
Parallels	
Percussion Ensemble	
Photography Club	
Presidential Classroom	
SADD	
Scholastic Scrimmage	
School Musical	
School Newspaper	
Science Olympiad	
Senior Class	
Show Choir	
Ski Club	
Sophomore Class	
Spelling Bee	
Sports Club	
Student Council	
Technology Student Association	
Wallyball	
Yearbook	

## Monroe Career & Technical Institute

As a student enrolled at Stroudsburg Junior/Senior High School, you have the opportunity to attend the Monroe Career & Technical Institute (MCTI). Students in grades nine through twelve are eligible to apply to the program area of their choice. Program descriptions and additional information can be found at the back of this Program of Study, or refer to their website at [www.monroecti.org](http://www.monroecti.org).

For eighth/ninth-grade students, the application process will include:

- A presentation for interested eighth graders and all ninth graders by the Monroe Career & Technical Institute.
- The opportunity to attend a Career Exploration Night at the Monroe Career & Technical Institute with your parent(s).
- A tour of the Monroe Career & Technical Institute for interested students during the school day.
- A completed application returned to the Guidance Office with parental signature.

### NOTE:

Every effort will be made to place you in your first choice program area, however, placement is not guaranteed and it is competitive based on:

- Classroom and academic performance
- Attendance

- Discipline
- Career Cruising portfolio and program compatibility based on the results

## Career Cruising

The Stroudsburg Area School District has implemented the Career Cruising Portfolio System beginning at the Junior High School. It is introduced to you during Career Awareness class in 8th grade, This is your Life! in 9th grade and Career Planning at the High School. You are encouraged to use Career Cruising throughout High School to assist in career development and focus on improved career exploration. It can help create career and education plans for high school and beyond as well as aid in resumé development. This program will help to better serve you in choosing a career pathway and understand what is required to meet success. Once you complete the Career Matchmaker, which is a career assessment tool, the options are endless. There are career descriptions, career video clips, salaries, required education and links to every college in the United States. This program is a portfolio tool that has one goal in mind: to help you plan your future. Once you receive your username and password in 8th grade it can be used throughout your high school career. If you do not have a password, please see your school counselor.

### Directions:

Go to [www.careercruising.com](http://www.careercruising.com)  
 Type in SBURG and your student ID# (SBURG-ID#)  
 Type in your birthdate (2-digit month & day & 4-year digit)  
 Click on login to start Career Cruising.  
 Experiment, look around, see what Career Cruising can offer you.

## Career Clusters and Pathways

The Program of Study contains information about *Career Clusters and Pathways* recommended by the Pennsylvania Department of Education. *Career Clusters* provide information on 16 grouping of occupations that are a broad grouping of careers that share similar characteristics with common interests, strengths and competencies that help you explore similarly grouped career options. A *Career Pathway* corresponds to those career options and is designed to help you focus on your elective courses in preparation for a specific career area. This information is designed to help you make informed decisions regarding your future career plans.

The Stroudsburg Area School District is committed to preparing you for college and career readiness relevant to the 21st century. For some, this will be a four-year college; for others, it may be a community college, technical school/training, apprenticeship, certification, military training, or entry into the workforce. Our District offers a rigorous and relevant curriculum designed to develop your strengths and provide a broad base of knowledge and skill that will enable you to be successful in the 21st century. You are encouraged to take an active role in developing your career plans by utilizing all of the resources available to you: the Program of Study, your Career Cruising Portfolio as well as discussions with your parent(s), guardian(s), school counselor, educators, and/or community members.

### Career Clusters/Pathways:

Agriculture, Food & Natural Resources\*  
 Architecture & Construction  
 Arts, A/V Technology & Communications  
 Business Management & Administration  
 Education & Training  
 Finance  
 Government & Public Administration  
 Health Science

Hospitality & Tourism  
 Human Services  
 Information Technology  
 Law, Public Safety, Corrections & Security  
 Manufacturing  
 Marketing  
 Science, Technology, Engineering & Math  
 Transportation, Distribution & Logistics

\*Agriculture, Food and Natural Resources, is not included with a list of recommended electives. The electives for this Cluster must be pursued through post high school options.

### Cluster #1

#### **ARTS, A/V TECHNOLOGY & COMMUNICATIONS**

Careers in the Arts, Audio-Video Technology and Communications career cluster involve designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.

This career cluster is categorized into six different areas:

- Audio and Video Technology and Film Pathway
- Printing Technology and Graphic Communication Technology Pathway
- Visual Arts Pathway
- Performing Arts Pathway
- Journalism and Broadcasting Pathway
- Telecommunications Pathway

Are you interested in...	Can you or are you willing to...	Do you enjoy...
News Reporting and Writing Interviewing and Reviewing Multi-Media Productions Acting Radio, TV, Film, Video Performing in a Band, Chorus Attending Concerts	Sing Play an Instrument Be Creative Act Articulate Clearly Write and Conduct Interviews Meet Deadlines Sell	Writing Making Videos Working with Film Props Seeking Creative Ideas Working with Sound Effects Performing in front of a Live Audience Work with Computers

If you answered "yes" to most of these questions, you might consider a future in one of these careers:

Possible Careers:  
 Public Relations (M)\*  
 Designer  
 Telecommunications  
 Singer  
 Musician  
 Commercial Artist  
 Columnist  
 Journalist  
 Artist  
 Graphic Artist (M)\*

\*(M) If you are considering one of these career areas, you may want to consider a Monroe Career and Technical Institute (MCTI) program area to fulfill your elective credits.

For more information relating to careers in this cluster, check out the following website:

<http://www.education.pa.gov/K-12/PACareerStandards/CareerPathways/Pages/ArtsandCommunications.aspx#tab-1>

### Cluster #2

#### **BUSINESS, FINANCE & INFORMATION TECHNOLOGY**

Careers in this field are designed to prepare you for the world of business, finance and information services.

This career cluster is categorized into four different areas:

- Business Management and Administration Pathway
- Finance Pathway
- Information Technology Pathway
- Marketing Pathway

Are you interested in...	Can you or are you willing to...	Do you enjoy...
A business environment Management Advertising Marketing and Sales Computers and technology Web Development Presentations to groups Legal issues Accounting Different work sites	Work easily with others Organize your time efficiently Work with statistics Use computers and other technology Pay attention to details Solve problems Work independently Show initiative Work on a team	Meeting with groups Making budgets Organizing a project Planning an event Working with technology Selling products and services Processing numbers and figures Preparing financial reports Following directions Learning new software programs

If you answered “yes” to most of these questions, you might consider a future in one of these careers:

Possible Careers:

- |                        |                                       |
|------------------------|---------------------------------------|
| Accountant             | Stock Broker                          |
| Bank Teller            | Events Planner                        |
| Store Manager          | Advertising                           |
| Administrative Support | Real Estate Expert                    |
| Entrepreneur           | Insurances                            |
| Computer Science       | Computer Networking and Security (M)* |
| Marketing (M)*         | Hotel, Resort and Tourism (M)*        |

\*(M) If you are considering one of these career areas, you may want to consider a Monroe Career and Technical Institute (MCTI) program area to fulfill your elective credits.

For more information relating to careers in this cluster, check out the following website:

<http://www.education.pa.gov/K-12/PACareerStandards/CareerPathways/Pages/BusinessFinanceIT.aspx#tab-1>

### **Cluster #3**

### **ENGINEERING AND INDUSTRIAL TECHNOLOGY**

Careers in this field are designed to cultivate your interests, awareness and application to areas related to technologies necessary to design, develop, install or maintain physical systems.

This career cluster is categorized into three different areas:

- Architecture & Construction Pathway
- Manufacturing Pathway
- Transportation, Distribution & Logistics Pathway

Are you interested in...	Can you or are you willing to...	Do you enjoy...
Building and Construction Tools, Equipment and Materials Woodworking Math and Science Classes Fitness and Sports Precision Work Design and Architecture Engineering Computer Technology Production Management Curious how things work	Apply science and math to the real world Read and understand directions Solve problems of a complex nature Understand directives and read maps Organize reports and people See a task through to completion Use a computer	Travel Working with your hands Designing/working with projects, models and prototypes Working in a lab setting Working on a team Building with your hands Operating tools and equipment Pay close attention to detail

If you answered “yes” to most of these questions, you might consider a future in one of these careers:

Possible Careers:

- |                          |                   |
|--------------------------|-------------------|
| Engineer (M)*            | Carpenter (M)*    |
| Precision Machining (M)* | Warehouse Manager |
| Auto Mechanic (M)*       | Drafter (M)*      |
| Plumber (M)*             | Welder (M)*       |
| Mason (M)*               | Equipment Manager |
| Diesel Mechanic (M)*     | HVAC (M)*         |
| Electrician (M)*         |                   |

\*(M) If you are considering one of these career areas, you may want to consider a Monroe Career and Technical Institute (MCTI) program area to fulfill your elective credits.

For more information relating to careers in this cluster, check out the following website:

<http://www.education.pa.gov/K-12/PACareerStandards/CareerPathways/Pages/EngineeringIndTech.aspx#tab-1>

### **Cluster #4**

### **HUMAN SERVICES**

Careers in this field are designed to cultivate your interests, skills and experience for employment in careers related to families and human needs.

This career cluster is categorized into five different areas:

- Education & Training Pathway
- Government & Public Administration Pathway
- Hospitality & Tourism Pathway
- Human Services Pathway
- Law, Public Safety, Corrections & Security Pathway

Are you interested in...	Can you or are you willing to...	Do you enjoy...
Working with People Owning Your Own Business Aging Adults Child Development Family & Social Services Food Preparation Teaching Counseling	Organize Well Plan and Direct Programs Be Creative Communicate Well Assume Leadership Work with a Team Use Inter-personal Skills Be Conscientious and Dependable Plan Budgets	Communication Services Helping and Protecting Others Working with People Counseling and Advising People Serving Others' Needs Interviewing People Selling Products and Services Handling Customer Complaints Searching for Answers to Human Problems



If you answered “yes” to most of these questions, you might consider a future in one of these careers:

Possible Careers:

- |                                |                     |
|--------------------------------|---------------------|
| Counselor                      | Teacher             |
| Hotel, Resort and Tourism (M)* | Police Officer (M)* |
| Military Officer (M)*          | Cosmetologist (M)*  |
| Sales Consultant               | Sports Recreation   |
| Chef/Caterer (M)*              | Government          |
| Lawyer                         |                     |

\*(M) If you are considering one of these career areas, you may want to consider a Monroe Career and Technical Institute (MCTI) program area to fulfill your elective credits.

For more information relating to careers in this cluster, check out the following website:

<http://www.education.pa.gov/K-12/PACareerStandards/CareerPathways/Pages/ScienceHealth.aspx#tab-1>

**Cluster #5**

**SCIENCE AND HEALTH**

Careers in this field are designed to cultivate your interest in the life, physical and behavioral sciences and the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research development.

This career cluster is categorized into three different areas:

- Agriculture, Food & Natural Resources Pathway
- Health Science Pathway
- Science, Technology, Engineering & Mathematics Pathway

Are you interested in...	Are you willing to...	Do you enjoy...
Health Care Environment Science and Medicine Medical Research Food Production Environment & Conservation Pharmacy Physical Therapy Sports/Fitness Information Systems Conservation Radiology	Pay attention to detail Use a computer and technology Work in a lab setting or medical facility Apply a scientific theory to real-life problems Work outdoors around animals and plants Collect and analyze data from experiments Work with people in need Work with science and math theories	Diagnosing and caring for sick animals Working outdoors with wildlife Solving problems Working on cutting-edge scientific research Working with a team Medical lab research Making a contribution to society Working with numbers Developing conclusions from a database

If you answered “yes” to most of these questions, you might consider a future in one of these careers:

Possible Careers:

- |                         |                             |
|-------------------------|-----------------------------|
| Physician (M)*          | Dentist                     |
| Lab Technician (M)*     | Biologist                   |
| Animal Sciences         | X-Ray Technician (M)*       |
| Veterinarian            | Forestry                    |
| Physical Therapist (M)* | Occupational Therapist (M)* |
| Nurse (M)*              | Dietician                   |
|                         | Agribusiness                |

\*(M) If you are considering one of these career areas, you may want to consider a Monroe Career and Technical Institute (MCTI) program area to fulfill your elective credits.

For more information relating to careers in this cluster, check out the following website:

<http://www.education.pa.gov/K-12/PACareerStandards/CareerPathways/Pages/ScienceHealth.aspx#tab-1>



Electives	Number	Page #	9	10	11	12	Cluster #
<b>Art</b>							
Yearbook - H	1416	12			x	x	1,2
AP Studio Art: Portfolio Presentation	6146	13				x	1
Art Major 1	6110	12	x	x	x	x	1
Art Major 2	6120	12		x	x	x	1
Art Major 3	6130	12			x	x	1
Art Major 4	6140	13				x	1
Ceramics (s)	6123	13		x	x	x	1
Digital Photography (s)	6137	13		x	x	x	1,2
Independent Study Program (s)	6145	13				x	1
Sculpture	6125	13		x	x	x	1
<b>Business</b>							
Accounting 1	7220	14		x	x	x	2
Accounting 2 - H	7320	15			x	x	2
Accounting 3 - H	7420	15				x	2
Advanced Computer Applications (s)	7151	14	x				2
Advanced Web Page Design (s)	7257	15		x	x	x	2
Basic Keyboarding (s)	7153	14	x	x	x	x	2
Business Law	7352	15			x	x	2
Business, Practices & Procedures (s)	7260	14		x	x	x	2,4
Computer Skills (s)	7154	14	x				2,4
Digital Multimedia (s)	7152	14	x	x	x	x	2,4
Entrepreneurship & Business Management	7251	15		x	x	x	2,4
International Business	7253	15			x	x	2
Intro to Game Design Programming (s)	7259	14		x	x	x	2
Introduction to Business	7150	13	x				2,4
Macromedia Web Page Design	7354	15			x	x	2
Office Apprenticeship (s)	7451	16				x	2
Office Apprenticeship	7452	16				x	2
Personal Finance (s)	7230	14		x	x	x	2,4
Read. Write. Code	7235	14	x	x	x	x	2
Sports, Entertainment & Fashion Mktg	7254	15		x	x	x	2,4
Statistical Reasoning	7355	15			x	x	1,2,3,4,5
Web Page Design (s)	7256	15		x	x	x	2,4
<b>English</b>							
Adv. Journalism:Media & Newspaper - H	1415	19			x	x	1,4
British Literature CP	1421	18				x	1,2,3,5
Communication Skills (s)	1163	18	x				1,2,3,4,5
Creative Writing (s)	1356	19		x	x	x	1,2,3,4,5
Drama 1 (s)	1358	19		x	x	x	1
Drama 2 (s)	1359	19		x	x	x	1
Introduction to Film Studies (s)	1354	19		x	x	x	1

Electives	Number	Page #	9	10	11	12	Cluster #
Introduction to Journalism	1150	18	x				1,4
Introduction to Theatre (s)	1162	18	x				1,2,3,4,5
Journalism	1355	19		x	x		1,4
Modern Literature CP (s)	1423	18				x	1,2,3,4,5
Myth and Ritual in World Literature (s)	1424	18				x	1,2,3,4,5
Public Speaking, Rhetoric & Debate (s)	1357	19		x	x	x	1,2,3,4,5
Studies of Science Fiction (s)	1353	17		x	x	x	1,2,3,5
<b>Family &amp; Consumer Science</b>							
American Foods (s)	6222	20		x	x	x	4
Child Study/Parenting (s)	6224	20		x	x	x	4
Discovering Foods	6211	20	x				4
Discovering Foods (s)	6212	20		x	x	x	4
Foreign Foods (s)	6223	20		x	x	x	4
Interior Design (s)	6226	21		x	x	x	
The Wonder Years (s)	6225	21		x	x	x	4
<b>Health &amp; Physical Education</b>							
Advanced Fitness (s)	5759	22		x	x	x	5
Advanced Fitness	5760	22		x	x	x	5
First Aid/Athletic Training 1 (s)	5755	22		x	x	x	5
First Aid/Athletic Training 2 (s)	5756	22		x	x	x	5
Healthy Lifestyles (s)	5758	22		x	x	x	4,5
Introduction to Allied Health	5710	21	x	x	x	x	4,5
<b>Math</b>							
AP Calculus AB	3400	24				x	2,3,5
AP Calculus BC	3401	25				x	2,3,5
Pre-Calculus H	3310	24			x	x	2,3,5
Statistics & Probability H	3410	24				x	2,3,5
<b>Music</b>							
9th Grade Band	6309	25	x				1,2,3,4,5
9th Grade Concert Choir	6320	26	x				1,2,3,4,5
9th Grade Orchestra	6330	25	x				1,2,3,4,5
AP Music Theory	6350	26		x	x	x	1,2,3,4,5
Beg. Piano Keyboard, Acoustic Guitar (s)	6341	26		x	x	x	1,2,3,4,5
Beginning Music Theory - CP (s)	6340	26		x	x	x	1,2,3,4,5
Concert Band 2 - H	6312	25				x	1,2,3,4,5
Concert Band 1	6310	25		x			1,2,3,4,5
Concert Band 2	6311	25			x	x	1,2,3,4,5
Concert Choir	6321	26		x	x	x	1,2,3,4,5
Concert Choir - H	6323	26				x	1,2,3,4,5
Concert Choir (s)	6322	26		x	x	x	1,2,3,4,5
Orchestra 1	6331	25		x			1,2,3,4,5
Orchestra 2	6332	26			x	x	1,2,3,4,5
Orchestra 2 - H	6333	26				x	1,2,3,4,5

Electives	Number	Page #	9	10	11	12	Cluster #
<b>Science</b>							
Anatomy & Physiology - H	4315	29		x	x	x	3,4,5
Anatomy & Physiology -CP	4325	29		x	x	x	3,4,5
AP Biology	4415	29			x	x	3,4,5
AP Chemistry	4405	29			x	x	3,4,5
AP Environmental Science	4316	29			x	x	3,4,5
AP Physics BC	4401	28				x	3,4,5
Chemistry 2 CP	4327	29			x	x	3,4,5
Environmental Issues/Bioethics	4350	30			x	x	3,4,5
Human Anatomy & Physiology	4236	29		x	x	x	3,4,5
Invertebrate Biology (s)	4150	27	x				3,4
Introduction to Forensic Science	4351	30			x	x	3,4,5
Marine Science (s)	4154	27	x				3
Pennsylvania's Wild Natural Resources	4352	30			x	x	3,4,5
Physics 1 CP	4420	28		x	x	x	3,4,5
Physics 1 H	4400	28		x	x	x	3,4,5
Principles of Ecology	4336	30				x	3,4,5
Principles of Ecology & Field Biology CP	4326	29			x	x	3,4,5
<b>Social Studies</b>							
American Pop Culture (s)	2460	32		x	x	x	4
AP American Government & Politics	2308	31			x	x	4
AP European History	2306	31			x	x	4
AP United States History	2305	31			x	x	4
United States Issues and Current Events (s)	2256	31			x	x	2,4
United States Issues and Current Events	2256B	31			x	x	2,4
Current American Issues (s)	2258	31	x				2,4
Economics (s)	2480	32		x	x	x	2,4
Global Issues (s)	2257	32		x	x	x	2,4
Global Issues	2257B	32		x	x	x	2,4
Methods of Learning (s)	2470	32		x	x	x	1,2,3,4,5
Minorities in America (s)	2450	32		x	x	x	4
Model Congress (s)	2259	31	x				4
Psychology CP	2316	31		x	x	x	2,4,5
<b>Technology</b>							
Adv. Computer-Aided Drafting	6446	33		x	x	x	3,5
Architectural Design Technology	6445	33		x	x	x	3,5

Electives	Number	Page #	9	10	11	12	Cluster #
CADD1: Introduction to CADD (s)	6440	33	x	x	x	x	3,5
Computer-Aided Drafting & Design - CADD	6442	33		x	x	x	3,5
Emerging Energy Technologies (s)	6411	32		x	x	x	3,5
Introduction to Engineering & Design (s)	6412	32	x				3,5
Materials Production 1 (s)	6420	33	x	x	x	x	3,5
Materials Production 2 (s)	6430	33		x	x	x	3,5
Materials Production 3 (s)	6421	33		x	x	x	3,5
Robotics 1 (s)	6435	33	x	x	x	x	3,5
Robotics 2 (s)	6436	33		x	x	x	3,5
<b>World Languages</b>							
French 1 CP	6011	33	x	x	x	x	1,2,3,4,5
French 2 CP	6012	34	x	x	x	x	1,2,3,4,5
French 3 H	6013	34		x	x	x	1,2,3,4,5
French 4 H	6014	34			x	x	1,2,3,4,5
French 5 H	6015	34				x	1,2,3,4,5
Spanish 1 CP	6031	34	x	x	x	x	1,2,3,4,5
Spanish 2 CP	6032	34	x	x	x	x	1,2,3,4,5
Spanish 3 H	6033	34		x	x	x	1,2,3,4,5
Spanish 4 H	6034	34			x	x	1,2,3,4,5
Spanish 5 H	6035	34				x	1,2,3,4,5
German 5 H	6025	34				x	
<b>Monroe Career &amp; Technical Institute</b>							
<b>Construction Program Areas</b>							
Carpentry	8027	35	x	x	x	x	3
Electrical Technology	8207	35	x	x	x	x	3
HVAC Technology	8032	35	x	x	x	x	3
Masonry	8030	35	x	x	x	x	3
Plumbing Technology	8033	35	x	x	x	x	3
<b>Health Science &amp; Human Services Program Areas</b>				x	x	x	5
Cosmetology	8085	36	x	x	x	x	4
Criminal Justice	8512	36	x	x	x	x	4
Culinary Arts	8502	36	x	x	x	x	4
Health Professions	8385	36		x	x	x	4,5
Applied Horticulture: Floriculture	8404	36	x	x	x	x	4,5
Applied Horticulture: Landscaping	8405	36	x	x	x	x	4,5
Hotel, Resort & Tourism Management	8505	36	x	x	x	x	2,4

Electives	Number	Page #	9	10	11	12	Cluster #
Marketing	8800	36	x	x	x	x	2,4
<b>Information Technology</b>							
Computer Networking & Security	8218	37	x	x	x	x	2,4
Graphic Communications	8062	37	x	x	x	x	1,4
Management Information Systems	8801	37	x	x	x	x	1,4
<b>Manufacturing Program Areas</b>							
Drafting Technology	8042	37	x	x	x	x	3
Electronics	8208	37	x	x	x	x	1,3
Precision Machining	8071	37	x	x	x	x	3
Welding Technology	8075	38	x	x	x	x	3
<b>Transportation Program Areas</b>							
Auto Collision & Repair	8008	38	x	x	x	x	3
Automotive Technology	8009	38	x	x	x	x	3
Outdoor Power Equipment Technologies	8067	38	x	x	x	x	3
Diesel Technology	8041	38	x	x	x	x	3

# Course Descriptions

## Grades 9 through 12

### COURSE CHARACTERISTICS ABBREVIATIONS

AP = Advanced Placement

H = Honors

CP = College Preparatory

W = Workshop

s = Semester course

L = Course includes double laboratory periods

## Art

The art curriculum at the high school level is designed to provide a strong foundation in the visual arts through studio production, art history, criticism, and aesthetics. You will learn many skills through concepts in art education to prepare you for life experiences both inside and outside the realm of art. You will explore a variety of different media and techniques as well as develop a deeper understanding of aesthetics and creative-thinking skills. Studying art lends itself to higher-level thinking, self-discipline and self-motivation, planning, commitment, and respect for others' opinions.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

### **1416 YEARBOOK - H**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #1,2**

Creating a yearbook entails use of photography, layout and design, and writing copy. This course contains lessons in photography and use of Adobe Photoshop. Writing headlines, spinoffs and copy will be approached with practice and editing techniques. Time in and out of class is needed to help capture memories and give our readers a story worth remembering.

### **6110 ART MAJOR 1**

**Grades 9 - 12**

**Credit: 1.00**

**Career Cluster #1**

### **6120 ART MAJOR 2**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #1**

*(Recommend: These courses must be taken in sequence. For Art Major 2, students should have successfully completed Art Major 1)*

The purpose of Art Major 1 and 2 is to introduce you to the many areas of the Arts. Basic foundations of design, painting and drawing will be included during the course of the year. Emphasis is placed on independent projects. The course is open to all students interested in the different levels of art.

### **6130 ART MAJOR 3**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #1**

*(Recommend: Successful completion of Art Major 1 & 2)*

Art Major 3 explores a broader spectrum of creative expression. By using foundations in art learned in Art 1 and Art 2 to reinforce traditional art media (acrylic paints, watercolor, charcoal, ink, etc.), the course offers an in-depth study of the art world. The program encourages creative development through an emphasis on independent projects which you select, define and execute.



**6140 ART MAJOR 4****Grade 12****Credit: 1.00****Career Cluster #1***(Recommend: Successful completion of Art Major 1, 2, & 3.)*

It is recommended that before entering Art 4 you achieve a competency level in Art 1, 2, and 3. The majority of projects in Art 4 emphasize the expansion of individual skills and consequently are more difficult to solve. You will be challenged on every project. You will be expected to maintain a professional portfolio according to your individual skills. You will be expected to exhibit responsibility in the development of school, district, and community art shows.

**6137 DIGITAL PHOTOGRAPHY (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #1,2**

This course approaches photography as an artistic and journalistic medium by understanding how photography has developed through the years. You will learn how to incorporate visual arts elements and design principles into your photography, learn various camera and lighting techniques, and express yourself through manipulation of images using digital media. By the end of this course, you will have a photographic portfolio including a variety of photographs and digital imagery.

**6123 CERAMICS (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #1**

You will learn the physical and chemical properties of clay and techniques needed to create hand-built, wheel-thrown pottery and sculptural form. The course is taught with an emphasis on historical and contemporary designs and will stress an introduction and mastery of the processes needed to complete a variety of clay pieces. Glaze application and kiln usage will also be covered in this course.

**6125 SCULPTURE****Grades 10 - 12****Credit: 1.00****Career Cluster #1***(Recommend: Successful completion of Art 1 or Ceramics)*

This course is an entry-level sculpture class if you have successfully completed Art Major 1 or the Ceramics class. You should have a basic understanding of drawing, design and a variety of media and their applications. There will be an emphasis on the modeling process and spatial elements. You will explore multiple compositional styles and mastery of historical and contemporary influences on the sculptural process.

**6146 AP STUDIO ART: PORTFOLIO PREPARATION****Grade 12****Credit: 1.00****Career Cluster #1***(Recommend: Successful completion of Art Majors 1, 2, 3, or a combination of Art Majors and other art courses.)*

This class is designed for seniors who are serious art students considering a career in the field of art. Throughout the course of the year, you will be focusing on foundation art skills such as drawing, painting, design and sculpture. You will explore a variety of media and techniques, and will also develop a portfolio incorporating original work and photographs and/or slides of work. You will have an opportunity to submit a portfolio for AP College Board review consisting of Section I: Quality, Section II: Concentration, and Section III: Breadth. If you are planning to take the AP Studio Art course, you need to submit a portfolio of ten pieces completed in your tenth and eleventh grade years, as well as completed paperwork, for review by the high school art department.

**6145 INDEPENDENT STUDY PROGRAM****Grade 12****Credit: 1.00 or 0.50****Career Cluster #1**

The purpose of an Independent Study in the Visual Arts is to advance your skills and creativity in the field of art and give you the opportunity to expand your talents in a "concentration" area (i.e. drawing, illustration, fibers, sculpture, etc.) of artistic study. Projects are designed to fully challenge your individual art skills while serving to provide you with the opportunity to assemble a professional quality portfolio. You will also have the opportunity to work with Digital SLR Cameras, iMac computers and Adobe Photoshop for manipulating your art and photography.

The intent of this program is to provide the opportunity for you to gain exposure in areas of the visual arts not presently offered through the existing high school art curriculum.

Eligibility for Independent Study:

1. You must have attained the status of senior.
2. You must have had an A average in previous course work in the Visual Arts.
3. You must have demonstrated the characteristics of self-motivation, superior ability in the visual arts, and the individual creativity necessary to focus on a predetermined and defined concentration area in the visual arts.
4. You must provide portfolio evidence of the potential for independent study-based learning through a portfolio review, art teacher recommendation, and submission of required paperwork.

## Business, Computer & Information Technology

The content area of business education provides a foundation for success no matter what your ultimate goals in life may be. If you will graduate and operate a small business, as well as if you want to be a future entrepreneur, you need to understand the principles of business if you are to make wise decisions. No student can function in today's society and escape the need for the life-long lessons that are taught in the business education curriculum. The ability to use computers efficiently with other components of information systems is a "must" for everyone in our increasingly technological society. You will learn to use computers as tools in conjunction with related software. In addition, you learn to make decisions, to produce professional documents, to communicate via Internet, and to research topics utilizing libraries around the world. If you study business education, you will have increased opportunities to succeed in whatever field you choose to pursue.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

**7150 INTRODUCTION TO BUSINESS****Grade 9****Credit: 1.00****Career Cluster #2,4**

Introduction to Business not only serves as a foundation upon which future business courses will be built, but also enriches you with beneficial knowledge you will use on a daily basis – in and outside of school. It deals with economic concepts at a simplified level so that you can grasp an idea of how our business world works. You will be introduced to the business world both locally and internationally. Global economics, entrepreneurship, management, business plan construction, marketing and personal finance are some of the topics included in this course. In later courses, these concepts are developed in detail giving a more complete picture of business organization.

**7151 ADVANCED COMPUTER APPLICATIONS (s)****Grade 9****Credit: 0.50****Career Cluster #2**

*(Recommend: Prior keyboarding experience with a minimum GWAM of 40 with 80% accuracy)*

You will create, format, and edit documents using Microsoft Office to include letters, reports, memos, tables and resumes. You will have hands-on experience using word processing, spreadsheets, database, and presentation software. Real world applications of the computer will be stressed. Additional components integrated into this course include efficient use of the Internet, Google Mail, Google Docs and various other Google Apps.

**7152 DIGITAL MULTIMEDIA (s)****Grades 9 - 12****Credit: 0.50****Career Cluster #2,4**

You will create and enhance photos using Photoshop techniques that can be used in PowerPoint presentations, websites, and Publisher documents. This skills-based course will prepare you for college and the workforce by developing skills that can be used in a variety of business-related fields. In addition, you will learn to make powerful presentations with advanced features of Microsoft PowerPoint as well as various online presentation programs. You will learn the basics of photo composition/digital photography through the use of digital cameras in the classroom. Software to be covered includes Adobe Photoshop, PowerPoint, Publisher, as well as the Internet and Google Apps.

**7153 BASIC KEYBOARDING (s)****Grade 9****Credit: 0.50****Career Cluster #2**

This course is designed for those that have LIMITED TO NO keyboarding experience. This semester course provides you with hands-on training in the correct touch typing techniques on computers. Basic word processing skills and formatting are emphasized to promote efficient document creation. Personal business letters, memos, and simple reports are also included in the course.

**7154 COMPUTER SKILLS (s)****Grade 9****Credit: 0.50****Career Cluster #2,4**

*(Recommend: Successful completion of Basic Keyboarding)*

This course will introduce computer components and software packages used in the workplace. You will have hands-on experience using word processing, database, spreadsheet and presentation software. Applications of the computer will be stressed. Additional components integrated into this course include efficient use of the Internet, Google Mail, Google Docs and various other Google Apps. If you have passed Advanced Computer Applications (7151), you are not eligible to take this course.

**7235 READ. WRITE. CODE (s)****Grade 9****Credit: 0.50****Career Cluster #2**

Coding is a way of bridging the gap between how computers operate and how humans think. Having a basic knowledge of coding can help you have a better understanding of how the technology you use everyday works. Coding is not just about learning a programming language and how to write lines of code. Through coding, this class will help you develop essential transferable skills that all employers look for such as problem solving, critical thinking, and computational thinking. The projects developed in this course can be added to a portfolio and shared on post secondary and job applications which will help set you apart from other applicants.

**7260 BUSINESS PRACTICES & PROCEDURES (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #2,4**

If you participate in this course, you will obtain lifelong business communication and presentation skills to succeed in our ever-changing global society. You will learn ethical and social responsibility, rules of parliamentary procedure and develop and demonstrate good communication, decision-making and leadership skills. The experiences gained in this course may be used in real-life situations. If you are involved in FBLA or other student leadership organizations, you are strongly encouraged to take this course.

**7259 INTRODUCTION TO GAME DESIGN PROGRAMMING (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #2**

This course will provide conceptual understanding of animation design and practical experience in the design and the development of animation. The course will enhance your skills in the areas of communication, problem solving, analyzing and critical thinking. You will be creating and adding animation to a variety of games and will also use problem-solving skills in technology as a systematic process. You will evaluate and review animation in production.

**7230 PERSONAL FINANCE (s)****Grades 10 - 12****Credit: .50****Career Cluster #2,4**

Personal Finance is designed to build skills in planning for your financial future. Many topics will be covered including banking, budgets, credit, loans and interest, purchasing a home and car, gross and net pay, insurances, personal taxes, tax return preparation and other concepts for personal finance. You will complete an online, real-life budget simulation in this course.

**7220 ACCOUNTING 1****Grades 10 - 12****Credit: 1.00****Career Cluster #2**

In Accounting 1, you will acquire an understanding of basic accounting principles and procedures used in daily business operations. Simulated office experiences are provided to help you understand the accounting cycle. This course is designed to prepare you to enter the workforce after graduation or attend a community or four-year college to major in business and finance. You will also be introduced to computerized accounting software.

**7320 ACCOUNTING 2 - H****Grades 11-12****Credit: 1.00****Career Cluster #2***(Recommend: Successful completion of Accounting 1)*

Accounting 2 builds on basic principles learned in Accounting I. In addition to a review of the basic procedures of manual accounting systems, the computer is used extensively for accounts receivable, accounts payable and general ledger accounting. Microsoft Excel will be used to complete accounting problems. Emphasis is placed on the analysis of accounting data by managers and others involved in making day-to-day business decisions.

**7420 ACCOUNTING 3 - H****Grades 11-12****Credit: 1.00****Career Cluster #2***(Recommend: Successful completion of Accounting 2)*

Accounting 3 builds on basic principles learned in Accounting 2 with a closer study of manual and computerized systems. You will learn management accounting, manufacturing cost accounting and accounting for not-for-profit organizations. Automated accounting will continue to be emphasized along with data analysis.

**7256 WEB PAGE DESIGN (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #2,4**

This course will provide the opportunity for you to develop the skills necessary to design Web Pages for the Internet. You will learn the capabilities and the structure of HTML programming to create colorful, eye-catching Web pages like those developed by professional Webmasters. HTML is relatively easy to learn and works with nearly any type of computer system. You will not only acquire impressive programming skills quickly, you will also be able to apply these skills to several other popular programming languages such as Java, C++, or Pascal.

**7257 ADVANCED WEB PAGE DESIGN (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #2***(Recommend: Successful completion of Web Page Design)*

This is an advanced-level course designed to expand on the skills acquired in Web Page Design. You will learn advanced web page design using HTML and Dreamweaver and other possible programming languages. You will also learn the JavaScript language in this course to extend the functionality of HTML. JavaScript source code will be integrated with HTML in order to enhance the capabilities of Web pages. You will apply the knowledge and skills acquired in Web Page Design in the creation of web pages used by the district and possibly outside businesses, community members, or any others seeking your services.

**7354 MACROMEDIA WEB DESIGN****Grades 11 - 12****Credit: 1.00****Career Cluster #2***(Recommend: Successful completion of Web Page Design)*

This course introduces Macromedia's suite of Web-authoring applications and shows how to use them to create appealing and cutting-edge multimedia. The course will use Macromedia programs such as Flash 8, Dreamweaver 8, and Fireworks 8. This course takes on adding special effects to web authoring. You will create an interactive home page as a final project for this course.

**7352 BUSINESS LAW****Grades 11 - 12****Credit: 1.00****Career Cluster #2**

The Business Law curriculum covers two main areas – the legal system and personal business law topics. Business Law examines the federal and state legal systems and procedures. It familiarizes you with the nature and workings of the law as it affects day-to-day situations such as sales contracts, frauds, credit, property rights, insurance and renting. You will experience legal situations through Mock Trials, video trials, and guest speakers. If you are interested in pursuing a business or legal career, this course will give you a foundation for college Business Law courses.

**7355 STATISTICAL REASONING (s)****Grades 11 - 12****Credit: 0.50****Career Cluster #1,2,3,4,5**

You will learn the principles of statistical reasoning in an accessible and enjoyable way that helps prepare you for life in the 21st Century. You will be introduced to the principles of statistical reasoning using a non-standard and student-friendly approach that emphasizes the entire statistical process, all in a motivating context. This course emphasizes statistical literacy and developing statistical thinking using real data.

**5652 CAREER PLANNING (s)****Grades 10-12****Course meets 3/6 days per cycle****Credit: 0.25***(Required for Graduation)*

This course provides the opportunity to explore career options and pathways. An emphasis is placed on communication skills, resume writing, the application process, interviewing techniques, and personal presentation as they relate to educational and career planning. A one-day job shadowing experience is a requirement for this course. All elements of this course must be completed successfully in order to graduate.

**7254 SPORTS, ENTERTAINMENT & FASHION MARKETING****Grades 10 - 12****Credit: 1.00****Career Cluster #2,4**

This course stresses the basic principles of marketing through various in-class projects. The course will discuss sports, entertainment and fashion marketing industries. You will have the opportunity to have hands-on experience in marketing and developing a marketing presentation.

**7251 ENTREPRENEURSHIP & BUSINESS MANAGEMENT****Grades 10 - 12****Credit: 1.00****Career Cluster #2,4**

This course will help you obtain an understanding of how business works in society. You will explore the idea of creating and managing your own business. You will design your own small business and develop a quality business plan. The course will cover such topics as entrepreneurship, economic principles, management styles, human relations skills, managing inventory, production management, operations & staffing and risk management on both a personal and professional level.

**7253 INTERNATIONAL BUSINESS****Grades 11 - 12****Credit: 1.00****Career Cluster #2**

This course introduces you to business principles that are important to be successful in the global marketplace. It acquaints you with economic concepts that are central to the operation of successful international economic enterprise. It helps you to identify the business operations in various regions, to understand cultural differences in other countries and

the challenge created by those differences to Americans trying to conduct business in foreign nations.

**7451 OFFICE APPRENTICESHIP (s)**

**7452 OFFICE APPRENTICESHIP**

**Grade 12**

**Credit: 0.50 or 1.00**

**Career Cluster #2**

*(Prerequisite: Complete application process with department chairperson)*

This senior course is designed to give business students the opportunity to apply theoretical concepts to practical applications in actual on-campus office environments. This course provides an excellent vehicle for attaining job competencies and developing work attitudes, habits, and ethics that will enhance employability. You will be designated as apprentice workers in various office settings where you will both apply and improve skills acquired in the classroom.

## English

The English Department offers a variety of courses to meet your needs: Advanced Placement and Honors courses, College Preparatory courses, courses for Core Curriculum program, Reading/Writing Workshops if you are in need of remediation, and a full complement of elective courses. The Department also provides an Individualized Program if you are identified as needing additional instruction and practice, and a Writing Lab is maintained to assist you with the completion of coursework. The Department also provides services for English Language Learners through our English as a Second Language (ESL) Program.

Toward the successful completion of course requirements, you will perform research tasks, read and comprehend a variety of texts, solve problems and make decisions, write for a variety of purposes, analyze and make critical judgments, exchange information orally and develop listening skills, and produce and publish work.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

**1110 ENGLISH 9-H AMERICAN LITERATURE (NCAA)**

**Grade 9**

**Credit: 1.00**

*(All students taking this course will take the Literature Keystone Exam in the Spring.)*

This course is designed to meet the needs of college-bound students who have mastered usage and writing skills, are avid readers, and have a keen desire to become more sophisticated users of the English language. The course is a survey of American Literature that focuses on analytic development, vocabulary development, speech preparation and delivery, creation and development of analysis papers, and correction of an assortment of writing problems. Writing assignments will address a variety of formats; however, a substantial emphasis will be given to producing short analysis papers and essay responses as an avenue towards constructing an articulate and polished larger paper. Independent reading of all selected classics of American literature will be a requirement in this course.

**1120 ENGLISH 9 - CP (NCAA)**

**Grade 9**

**Credit: 1.00**

This course focuses on preparing you to think critically, a skill necessary in the modern age. You will read a variety of literature encompassing a variety of genres. You will analyze the explicit meaning of texts, as well as, continuing to develop analytical skills to determine the implicit aspect of texts. The use of textual evidence will be emphasized to support your responses and writing. Vocabulary development and writing skills will be stressed with the goal of you becoming a strong communicator in the 21st Century.

**1130 ENGLISH 9**

**Grade 9**

**Credit: 1.00**

This course is designed to help you become a critical thinker, a skill necessary in the modern age. You will work on developing skills necessary to navigate a variety of text including literary and other genres. You will focus on developing skills to understand the explicit meaning of texts, while beginning to focus on the implicit information that are also present within texts. You will continue to focus on and improve your communication skills through vocabulary development and written expression.

**1140 ENGLISH 9 WORKSHOP**

**Grade 9**

**Credit: 1.00**

This course includes grammar, vocabulary development, the study of literature, and writing. The class emphasizes the integration of reading and writing. You will write in response to a variety of reading assignments including short stories, novels, and plays. The reading and writing process will be highlighted within the context of each assignment. You will be placed in this course if you have not reached proficiency on the PSSA in eighth grade. In the event that all sections become filled, additional criteria will be implemented to determine eligibility. You will be scheduled for a full year of Reading/Writing Edge (1141) along with this course.

**1141 READING/WRITING EDGE 9**

**Grade 9**

**Credit: 1.00**

**1142 READING/WRITING EDGE 9(s)**

**Grade 9**

**Credit: 0.50**

If you have been identified as needing additional instruction and guided practice with reading, writing and language arts, this program is designed for you. If you have not reached proficiency on the state reading assessment and did not reach proficiency after completing Reading/Writing Edge 8, you will be assigned to Reading/Writing Edge 9. If you are new to the district, your placement will be determined by the state assessment or scores from the previous school (PSSA or other state assessment). If you do not have a state assessment score, a pre-test will be given to determine eligibility. You will be placed in a full year of Edge if you have not reached proficiency on the PSSA in eighth grade. In the event that all sections become filled, additional criteria will be implemented to determine eligibility.

The purpose of the course is to give you an edge in your reading performance to help you meet Pennsylvania Academic Standards in reading and writing. Instruction will target reading comprehension and writing. You will also learn strategies to improve your academic performance in all subject areas.

**1210 ENGLISH 10-H WORLD LITERATURE SEMINAR (NCAA)**

**Grade 10**

**Credit: 1.00**

*(Students who have not taken the Literature Keystone Exam will take it in the Spring.)*

This course employs a thematic approach to the study of literature. The development of the hero in literature is traced. Works are read in their entirety and typically include The Epic of Gilgamesh, Gawain and the Green Knight, Oedipus, the King, and Hamlet. You will alternate writing literary analysis papers with various projects. You are also expected to participate daily in class discussion. Vocabulary is presented weekly. SAT testing elements are emphasized. The mechanics of writing are presented through a prescriptive approach in relation to specific writing tasks. You are expected, at times, to generate your own topics and to write with absolute voice and style. The course also puts a strong emphasis on grammar to coincide with the SAT writing section. Students enrolled in this course will be assigned independent summer reading and writing assignments. More specific information will follow when scheduling for this course.



**1220 ENGLISH 10 - CP (NCAA)****Grade 10****Credit: 1.00**

*(All students taking this course will take the Literature Keystone Exam in the Spring.)*

This course is designed to meet your needs if you want to enter college or other post-secondary education after high school. The course includes a survey of American literature, vocabulary development, spelling, a review of punctuation, informative oral presentation, and correction of writing problems. Writing assignments will include journal entries, essays, diary entries of a fictional character, a memoir, and a self-assessment paper. This course is a survey of American literature. Authors read include Irving, Poe, Bryant, Hawthorne, Emerson, Thoreau, Porter, Fitzgerald, Hemingway, Salinger, Updike, Frost, Whitman, and Cummings. Intensive independent reading from selected works, including novels, is required as well as several short analysis papers.

**1230 ENGLISH 10****Grade 10****Credit: 1.00**

*(All students taking this course will take the Literature Keystone Exam in the Spring.)*

The course for tenth grade is designed to meet your needs if you are interested in entering the workforce, technical school, or a two-year college following high school graduation. This course will include components concerned with communication in the workplace, vocabulary, spelling, American literature, writing and usage. You will read short stories, plays, and novels by a variety of authors such as Poe, Jackson, Rose, Wilder, Hemingway, Hawthorne, and Frost. Writing assignments will include a character sketch and essay answers. The course will deal with problems in usage and mechanics such as punctuation, word agreement, recognizing correct sentences, and words often confused.

**1300 AP LANGUAGE AND COMPOSITION (NCAA)****Grades 11-12****Credit: 1.00**

You may choose to take this course as your English credit for your junior or senior year. It is a college-level course that offers you the opportunity to specialize in language and composition and to become a more critical reader. Successful completion of this course and the AP examination may lead to college credit. The course is devoted to planning, drafting, revising, and editing as critical components of the writing process. Writing tasks include persuasion, definition, a book review, narration, and comparison/contrast. You will also write for publication. Sophisticated expression is the goal. Students enrolled in this course will be assigned independent summer reading and writing assignments. More specific information will follow when scheduling for this course.

**1320 ENGLISH 11 - CP (NCAA)****Grade 11****Credit: 1.00**

This course approaches the study of World Literature through a chronological survey. Major works read typically include the Epic of Gilgamesh, The Odyssey, Oedipus, the King, Hamlet, Sir Gawain and the Green Knight, A Doll's House and Antigone. The course also emphasizes oral and written analysis of literature. The core writing assignments are a response to the major pieces of literature. Literary analysis papers are also required.

**1330 ENGLISH 11****Grade 11****Credit: 1.00**

This world literature course represents the third level of the curriculum designed if you are entering a vocational school, a community or four-year college, the military, or the workplace. You will develop practical and higher-level thinking skills through exposure to works such as poetry, short stories, plays, a short research paper, and a portfolio creation of these same types of writing. The world literature selections range from

ancient civilizations to the Renaissance with options from genres including Romanticism and Modernism (you may also be provided with the chance to read contemporary selections). The required units include The Epic of Gilgamesh, The Odyssey by Homer, Oedipus the King by Sophocles, and Hamlet by Shakespeare. This assortment will serve as an avenue for continuous instruction in reading, writing, and speaking and listening skills based on the Pennsylvania State Standards. Through presentation of projects, technology, and differentiated materials, you will gain an appreciation and understanding of literary and practical skills needed for success in their future.

**1353 STUDIES OF SCIENCE FICTION (s)****Grades 10-12****Credit: 0.50****Career Cluster #1,2,3,5**

In Studies of Science Fiction, you will examine the world we live in through the parabolic nature of the genre. Science Fiction Literature, while taking readers to new places, be they planets, times, or dimensions, is actually a grounded study of our contemporary culture. You will examine how pressing issues like the growth of artificial intelligence, the impact of machinery on the workforce, the social and psychological pressure of industrialization and globalization, automation, travel, and our conceptions about space, time, and reality, weigh upon us today. You will be asked to critically think about the application and implications of textual events to the real world.

**1400 AP LITERATURE AND COMPOSITION (NCAA)****Grade 12****Credit: 1.00**

You may choose to take this course as your English credit your senior year. It is a college-level course that stresses critical reading and extensive literary analysis. Successful completion of this course and the AP examination may lead to college credit. The course stresses critical reading and literary analysis. Works such as Macbeth, Madam Bovary, As I Lay Dying and other works of comparable literary value will be read. Short stories by John Cheever and James Joyce will be studied, as well as poets Keats, Eliot, and Donne. Writing assignments will include book reviews, analysis papers, research papers, and journal entries. Class work will be devoted to discussing the literary works, peer editing of student writing, and striving to improve critical abilities and writing skills. Students enrolled in this course will be assigned independent summer reading and writing assignments. More specific information will follow when scheduling for this course.

**1430 ENGLISH 12****Grade 12****Credit: 1.00**

This course represents the culmination of the curriculum, designed to prepare you to enter a vocational school, community college, four-year college, or the workplace including the military. Emphasis is placed upon the skills needed to function in an increasingly complex world. You will perform various research tasks, read and comprehend a variety of texts, solve problems, write for a variety of purposes, and analyze and make critical judgments. Literature studied typically includes Arthur Miller's Death of a Salesman, William Golding's Lord of the Flies, Macbeth, another short novel, and independent readings. Short stories and poetry are also read. A reader response journal and vocabulary notebook are required.

**SENIOR CP ENGLISH: MUST TAKE COMPOSITION, THEN CHOOSE ONE SEMESTER OF LITERATURE:****1420 COMPOSITION - CP (s) (NCAA)****Grade 12****Credit: 0.50**

This required CP semester course specializes in language and composition. Class work is devoted to language mastery and the critical components of the writing process: planning, drafting, revising and editing. Core writing assignments include extended persuasive, definition, narrative,

and descriptive essays, and numerous journal entries. A portfolio will be developed throughout the semester. Critical reading of contemporary essayists including George Orwell, Joan Didion, Ray Bradbury, Maya Angelou, and Annie Dillard is undertaken.

**1421 BRITISH LITERATURE - CP (s) (NCAA)**  
**Grade 12**  
**Credit: 0.50**  
**Cluster #1,2,3,5**

This semester course is a survey of major British authors. Poetry, the novel, drama, and short story are studied. Authors that students might encounter include Nadine Gordimer, V.S. Naipaul, Anita Desai, William Shakespeare (Macbeth), John Keats, Charlotte Bronte, James Joyce, T.S. Eliot and George Orwell. Skills emphasized include reading critically and independently, understanding plot structure, using and understanding figurative language, identifying themes in literature, and proofreading.

**1423 MODERN LITERATURE - CP (s) (NCAA)**  
**Grade 12**  
**Credit: 0.50**  
**Career Cluster #1,2,3,4,5**

This semester course focuses on relevant themes and styles in significant authors' works of the early twentieth century. Writers studied include Hemingway, Faulkner, Camus, Sartre, Joyce, and Miller. The course also emphasizes oral and written analysis. Several short papers and a culminating literary analysis project are undertaken. Skills emphasized include critical and independent reading, understanding plot structure, using and understanding figurative language, identifying themes in literature, and identifying various critical approaches.

**1424 MYTH AND RITUAL IN WORLD LITERATURE (s) (NCAA)**  
**Grade 12**  
**Credit: 0.50**  
**Career Cluster #1,2,3,4,5**

This course will provide an examination of the universal themes and ideas of mankind. It will take you on a journey into an exciting and mysterious world where you can expect to encounter gods, heroes, monsters, exotic countries, and amazing adventures. Instead of concentrating on the differences that separate cultures across the globe, it examines the similarities and the universal themes of the human experience. It will examine mythological stories from around the world. This course emphasizes oral and written analysis of literature. Several short papers are undertaken that require considerable research. Skills emphasized include reading critically and independently, understanding plot structure, using and understanding figurative language, identifying themes in literature, proofreading, and oral reporting.

**READING/WRITING WORKSHOPS ARE RECOMMENDED FOR STUDENTS IN NEED OF REMEDIATION:**

**1231 ENGLISH**  
**Grades 10 - 12**  
**Credit: 1.00**

English is the language arts class linked to Reading/Writing Edge. The classes are scheduled together as a double period block and provide you with intensive instruction in reading and writing. The course includes writing development, grammar and the study of American literature. You will write in response to reading assignments. You will be placed in this course and Reading/Writing Edge 10 (1246) if you have not reached proficiency on the state reading assessment and did not reach proficiency after 9th grade. If you are new to the district, a pre-test will be given to determine eligibility.

**1246 READING/WRITING EDGE**  
**Grades 10 - 11**  
**Credit: 1.00**

This program is designed for you if you have been identified as needing additional instruction and guided practice with reading and language arts. If you have not reached proficiency on the state reading assessment and did not reach proficiency after completing Reading/Writing Edge 9, you will be assigned to Reading/Writing Edge (1231). The purpose of the course is to give you an edge in your reading performance to help you meet Pennsylvania Core Standards in reading and writing. Instruction will target vocabulary development, reading comprehension, and writing. You will also learn reading strategies to improve academic performance with subject-area material. If placed in Reading/Writing Edge, you will also be scheduled for English. The classes are scheduled together as a double period block and provide you with intensive instruction in reading and writing.

**1340 READING/WRITING WORKSHOP**  
**Grade 12**  
**Credit: 1.00**

This course focuses on the improvement of your reading and writing skills through the use of a workshop atmosphere. Critical reading ability is developed. You are encouraged to choose your own reading and writing topics following a guided choice of materials. You record your responses to your reading in a reading log. Writing assignments are developed as a result of your reading. Grammar, spelling, and vocabulary are taught in the context of individual writing and reading conferences.

**1163 COMMUNICATION SKILLS (s)**  
**Grade 9**  
**Credit: 0.50**  
**Career Cluster # 1,2,3,4,5**

This course is designed for you if you wish to improve your communication skills. You will learn skills appropriate for formal speaking situations. You will be given opportunities to practice different forms of public speaking, such as oral readings, drama, speeches and debates. Practical experiences will be offered. Reflection and self-evaluation activities will be used to make you aware of your own abilities.

**1162 INTRODUCTION TO THEATRE (s)**  
**Grade 9**  
**Credit: 0.50**  
**Career Cluster #1,2,3,4,5**

"What's your motivation?"... "Don't upstage yourself!"... "When you say that line, move down stage right." This class is an introduction to basic theater terms and acting techniques. You will practice various relaxation methods and develop physical and vocal warm-ups to get ready to perform. You will play theater games to build community and confidence. Pantomime and improvisation activities lead the way into monologues and scene work. You will memorize at least one monologue and perform at least one scene. You must read plays and memorize lines. In addition, you must get up in front of the class and act!

**1150 INTRODUCTION TO JOURNALISM**  
**Grade 9**  
**Credit: 1.00**  
**Career Cluster #1,4**

The Introduction to Journalism course is designed to familiarize you with the fundamentals of journalism. Topics covered will include interviewing, reporting, writing and copy editing, the history of journalism, thinking critically about the media, ethics and decision making, and libel and First Amendment rights. In relation to the skills of the course, you will be working in a collaborative writing setting where the teacher will act more in a role of facilitator than information provider. You will write articles of interest to the teacher, participate in peer editing and revision scenarios, and develop leadership ability as you acquire responsibility and ownership over many aspects of the online school newspaper. You may have the opportunity to submit articles to the Mountaineer online newspaper.

**1355 JOURNALISM****Grades 10 - 11****Credit: 1.00****Career Cluster #1,4**

Journalism is a course designed for you if you are interested in all aspects of the publications industry. In this course, we will familiarize you with the role of the journalist in today's society. You will discuss the legal aspects of publication. You will develop your interviewing, pre-writing, revising, and copy-editing skills. You will learn how to write effective headlines, cutlines, captions and leads. You will write feature, news, opinion and sports stories. Layout techniques and basic graphic design, using Adobe InDesign, will be taught. While the primary focus of the course is learning the fundamentals, you will be expected to participate in the creation of the online newspaper, the Mountaineer. You will produce several portfolios.

**1415 ADVANCED JOURNALISM: MEDIA AND NEWSPAPER - H****Grades 11 - 12****Credit: 1.00****Career Cluster #1,4***(Prerequisites: Journalism)*

The Honors Media and Journalism class exposes you to essential journalistic techniques alongside modern digital and print media production and design. You will receive hands-on experience with newspaper writing, research and communication techniques; layout design through Adobe In-Design and Photoshop; and photography and graphics creation. You will refine your communication skills through interviewing other students, teachers and other school staff as well as members of the greater Stroudsburg community. You will then apply these skills to the creation of Stroudsburg High School's online newspaper, the Mountaineer. The course aims not only to satisfy, but to go beyond the publication standards as set by organizations such as the Pennsylvania School Press Association. You will be expected to think creatively, work both independently and with classmates, accept and provide constructive criticism, put in hours outside of class time, and show initiative. (Cluster #1,4)

**1354 INTRODUCTION TO FILM STUDIES (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #1**

Here's your opportunity to be exposed to 100 years of cinematography, from Hollywood blockbusters to quirky, independent films! In this semester course, you will learn to "read" the language of the film, and will study different elements of film, such as the cinematography, mis en scene, movement, editing, and sound. You will discuss these films, as well as your own personal favorites, new and old. You should come away from this course with literally a list of hundreds of films you may want to add to your own personal queue. You will gain a better understanding and appreciation for the art of film throughout this course. This course is for serious, open-minded film viewers, interested in broadening their cinematic knowledge. You will be required to take notes during films, observe the different techniques used and partake in thoughtful class discussions about the films viewed in the class. You will be expected to read excerpts about film techniques and film history. Sophisticated oral and written analysis of film will be required. You will be expected to write a series of short analytical papers exploring film techniques based on the films viewed in the class.

**1356 CREATIVE WRITING (s)****Grades 10-12****Credit: 0.50****Career Cluster # 1,2,3,4,5**

With the help of the Creative Writing course, you will learn ways to get your creative juices flowing by completing different writing exercises such as magnetic poetry and writing with words cut from magazines. This semester course allows you to grow as writers and as human beings. It also provides an audience of approximately twenty peers, so your work is not judged, but constructively criticized. You will be expected to read professional examples of writing as well as articles and essays about the

craft of writing. You will be expected to write daily so you can improve your work and culminate a final portfolio that contains a variety of poetry, fiction stories, and perhaps nonfiction stories. You will also be expected to share your pieces with the class on a regular basis, and will gain helpful feedback through oral presentations and small writing groups. You will also have the opportunity for your own work to be shown in Stroudsburg's literary magazine, Parallels.

**1357 PUBLIC SPEAKING, RHETORIC AND DEBATE(s)****Grades 10 - 12****Credit: 0.50****Career Cluster #1,2,3,4,5**

This course is designed to improve your oral communication skills. You will be given practical experience in many different forms of public speaking such as informal discussion, extemporaneous and impromptu speaking, and informative, persuasive and demonstrative presentations. Additionally, you will participate in a debate. Also emphasized will be nonverbal communication and the ethical issues of public communication. Speeches are required, and you should expect to be videotaped for class instruction.

**1358 DRAMA 1 (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #1**

In this elective course, you will not just read and discuss drama, but become a part of the drama itself. All aspects of this genre will be discussed and explored and many opportunities for practical experiences will be offered. Specific plays encountered include *The Glass Menagerie*, *The Miracle Worker*, *Brighton Beach Memoirs*, *Waiting for Godot*, *Rhinoceros*, and *Importance of Being Earnest*. Writing assignments include journaling and two short writing assignments. A research project and a set or costume design project is also required. Emphasis is placed upon performance and memorization of lines is required.

**1359 DRAMA 2 (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #1***(Recommend: Successful completion of Drama 1)*

This elective course will immerse you into the production aspects of the theater. It presents a detailed overview of major trends in directing, casting, auditioning, producing, acting, and publicizing, as well as creating costumes, sets, lighting, and sound designs for the theater. You will be taught techniques necessary to complete a culminating project where you will select a one-act play and go through all the steps involved in directing and producing your vision.

**1810 ENGLISH 1 ESL****Grades 9 - 12****Credit: 1.00**

If you are an entering-level student, you will engage in listening, speaking, reading, and writing English through an integrated language arts curriculum using Level 1 core curriculum materials for English Language Acquisition (ELA), literature, and other supplemental materials. Building both on your prior knowledge and on newly-introduced material, you prepare to enter academic content classes. You become familiar with the culture and structure of an American high school and the community. Placement is made following assessment by the ESL teacher. This course may be used as one English credit. This course may be repeated.

**1820 ENGLISH 2 ESL****Grades 9 - 12****Credit: 1.00**

If you are a beginning-level student, you will continue to engage in listening, speaking, reading, and writing English using Level 2 core curriculum materials for ELA, literature, and other supplemental materials. Using an integrated approach to language study, you will increase your vocabulary and understanding of the structure of English. Basic Interpersonal

Communication Skills (BICS) are developed and groundwork is laid for Cognitive Academic Language Proficiency (CALP). Placement in this course is made following assessment by the ESL teacher. This course may be used as one English credit. This course may be repeated.

**1830 ENGLISH 3 ESL**  
**Grades 9 - 12**  
**Credit: 1.00**

If you are a developing-level student, you will continue to engage in listening, speaking, reading, and writing English using Level 3 core curriculum materials for ELA, literature, and other supplemental materials. Using an integrated approach to language study, you will practice your listening and speaking skills and study the structure of the English language. BICS are exercised and instruction in CALPS is expanded. Placement in this course is made following assessment by the ESL teacher. This course may be used as one English credit. This course may be repeated.

**1840 ENGLISH 4 ESL**  
**Grades 9 - 12**  
**Credit: 1.00**

If you are a top-level student, you will continue to expand your English language acquisition towards full proficiency. Writing portfolios are created to show proficiency in focus, content development, organization and style. Intense instruction is given in grammar, usage, spelling, and punctuation. Reading selections are modeled after state tests and are assessed through similar comprehension, interpretation, and analysis questions. Practice with multiple choice and open-ended items is included. Placement in this course is made following assessment by the ESL teacher. You may be recommended for exit from the ESL program after meeting established criteria at the end of this course. This course may be used as one English credit. This course may be repeated.

**1800 ACADEMIC STRATEGIES ESL**  
**Grades 9 - 12**  
**Credit: 1.00**

**1801 ACADEMIC STRATEGIES ESL**  
**Grades 9 - 12**  
**Credit: 0.50**

This program is available to you if you are an ESL student who has been identified as needing additional instruction and practice with basic reading, language arts skills and study skills. Development of improved study strategies, vocabulary and grammar are stressed. You may receive help with test prep, content material and assignments. This program is individualized to meet your needs. It is an elective course that does not count as an original English credit.

## Family & Consumer Science

The Family and Consumer Sciences curriculum is relevant for you. It links core curriculum knowledge with skills and wisdom to help you make a successful transition to self-sufficiency and adulthood. The curriculum addresses skills necessary to enhance your quality of life, to improve your individual and family wellness, to evaluate the quality of goods and services in meeting your needs, and to provide awareness of your roles in influencing public policy.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

**5550 THIS IS YOUR LIFE! (s)**  
**Grade 9**  
**Course meets 3/6 days per cycle**  
**Credit: 0.25**

*(Requires successful completion by all students prior to graduation)*

In "This Is Your Life," you will explore issues of adult life in work, finances and family. You will study topics that are basic to adult life planning that have been selected based on positive personal development that supports

success in the facets of everyday life. You will engage in dialogue about the responsibility of work and important considerations that lead to compatible lasting relationships and family development. You will learn to calculate your gross and net pay and explain the purpose of deductions and taxation. You will be able to explain and apply considerations when choosing financial institutions and engaging in financial transactions including opening accounts, making deposits, writing checks, electronic banking, keeping a check register and reconciling a bank statement. You will learn about credit, annual percentage rates, monitoring your own credit report, consumer rights and protections against identity theft and credit fraud. You will also create a career plan through the use of a software program called Career Cruising.

**6211 DISCOVERING FOOD**  
**Grades 9**  
**Credit: 1.00**  
**Career Cluster #4**

**6212 DISCOVERING FOOD (s)**  
**Grades 10-12**  
**Credit: .50**  
**Career Cluster #4**

This course recognizes the widespread need for improving the nutritional well-being of young men and women. It focuses on the relationship of food to health and changing lifestyles, while emphasizing the fundamental areas of nutrition, consumer skills and food preparation. Discovering Food also goes beyond these basics. It broadens your understanding of the impact food has on your life, the diet/health link, and career options in the food and nutrition fields. You will be involved in the teamwork of planning and preparing foods. You will apply and observe the science of food and cooking such as acid base reactions and oxidation. You should have a good command of reading comprehension, be able to grasp a working understanding of fractions, be a responsible team member, be capable of and willing to function in a safe and sanitary manner, and be capable of and willing to manage time.

**6222 AMERICAN FOODS (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #4**

American Foods will introduce you to traditional influences on the cooking of regional American dishes and have you analyze those influences through recipe preparations. You will prepare, serve, and evaluate a wide variety of dishes typical to many regions of the United States. You will examine the history of American foods and discover the evolution of many regional dishes. You should have a good command of reading comprehension, be able to grasp a working understanding of fractions, be a responsible team member, be capable of and willing to function in a safe and sanitary manner, and be capable of and willing to manage time.

**6223 FOREIGN FOODS (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #4**

Foreign Foods is designed to introduce you to various cuisines of the world. You will prepare, serve, and evaluate a wide variety of dishes characteristic to various cultures or regions of the world while discussing typical foods, ingredients and cooking techniques. You should have a good command of reading comprehension, be able to grasp a working understanding of fractions, be a responsible team member, be capable of and willing to function in a safe and sanitary manner, and be capable of and willing to manage time.

**6224 CHILD STUDY/PARENTING (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #4**

This course is intended to help you understand children's behavior and development and an adult's role in guiding children. You will explore and

learn about the topics of Sudden Infant Death Syndrome, Shaken Baby Syndrome, pregnancy management and the birthing process. This is a beneficial course for you if you are interested in pursuing a child-oriented career, presently involved in caring for children, or if you plan on being a parent in the future. After learning and practicing basic care for newborns/babies, you will have the opportunity to take home and care for a computerized baby simulator.

**6225 THE WONDER YEARS: EXPLORING EARLY CHILDHOOD EDUCATION (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #4**

*(Recommend: Successful completion of Child Study/Parenting)*  
 Success in working with children requires an understanding of physical, intellectual, social and emotional characteristics of young children. This class will enable you to plan educational activities that are developmentally appropriate for young children. It will provide you with the opportunity to interact with and present your ideas to children in a preschool or elementary classroom setting. You will learn techniques for keeping children safe and healthy and to promote experiences that build children's self esteem and enthusiasm for learning. This course is recommended for you if you are interested in considering a career in early childhood or elementary education.

**6226 INTERIOR DESIGN (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #1,2,4**

This course introduces fundamental design concepts to the study and practice of Interior Design. Historical connections to modern architecture, reading and drafting floor plans, elements and principles of design, furniture construction and style are selected topics. Practical application of math skills will be used in calculating the areas of flooring and wall treatments as well as for textiles used in ways such as window treatments and upholstery. You will apply the design process to making the best functional and aesthetic use of space while expressing your own creative individuality. You will find that the skills learned in this class will be those that you can apply to your living environment throughout life and to the world of work associated with interior design such as paint, wallpaper, flooring, or textile sales and/or installation. You may also wish to further pursue a degree to become a professional Interior Designer.

## Health & Physical Education

Health Education is required in High School. You must earn a passing grade to meet graduation requirements. Health Education courses provide a basis of knowledge about health and wellness that leads to the development of skills, attitudes, and behaviors conducive to overall physical, emotional, social and mental well-being. Ultimately, health education promotes responsible decision-making that contributes to a healthy lifestyle. Physical education provides a coeducational, comprehensive program of lifetime and team sports, and physical fitness activities. You must earn a passing grade in Physical Education each year to meet graduation requirements. Fitness tests are mandatory and will be measured according to the Presidential Physical Fitness Program standards.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

**5710 INTRODUCTION TO ALLIED HEALTH**  
**Grades 9 - 12**  
**Credit: 1.00**  
**Career Cluster #4,5**

This course provides a foundation for those interested in Allied Health careers. Career clusters explored include rehabilitation, laboratory science, nursing, medical, dental, animal, mental and social health, imaging, and

emergency health. You will explore a variety of career opportunities, learn about technical skills used in the Allied Health professions, visit local medical clinics, and participate in numerous hands-on activities related to the health field. Upon successful completion of this course, you may choose to pursue advanced courses designed to prepare you for careers in the Allied Health field. This course is strongly recommended if you are considering attending the Health Occupations Program area as a 10th grader at MCTI.

**5001 PHYSICAL EDUCATION 9 (s)**  
**Grade 9**  
**Course meets 3/6 days per cycle**  
**Credit: 0.25**

Physical Education is a comprehensive program that includes lifetime, team, and fitness activities. Physical Education is required every year and a passing grade must be achieved in order to fulfill graduation requirements. The ninth grade course emphasizes personal fitness and growth. Fitness tests are mandatory and will be measured according to the Presidential Physical Fitness Program standards.

**5001 PHYSICAL EDUCATION 10-12 (s)**  
**Grades 10 - 12**  
**Course meets 3/6 days per cycle**  
**Credit: 0.25**

This course includes team and lifetime sports activities emphasizing skill development and application to promote lifetime wellness. Adventure education, a challenge-by-choice component, is used to promote the development of skills through group activities. Lifetime activities include archery, golf, tennis, table tennis, badminton, aerobic fitness, weight training, and low-impact activities such as power walking, aerobics and line dancing. Team options include softball, volleyball, ultimate Frisbee, and court hockey. Health-related fitness activities, with emphasis on muscular strength and endurance, flexibility, and cardiovascular fitness, are incorporated in this program. Fitness tests are mandatory and will be measured according to the Presidential Physical Fitness Program standards.

**5002 ADVANCED PHYSICAL EDUCATION 11-12 (s)**  
**Grades 11 - 12**  
**Course meets 3/6 days per cycle**  
**Credit: 0.25**

*(Recommendation necessary from PE department)*  
 This course is designed for those who possess advanced skill levels. A selection of lifetime and team sports activities is provided in a more competitive environment. Lifetime activities include archery, golf, tennis, table tennis, badminton, weight training, and wall climbing. Team options include softball, volleyball, ultimate Frisbee, court hockey, soccer, flag football, and basketball. A challenge-by-choice strategy is used in the adventure education component. Health-related fitness activities, with emphasis on muscular strength and endurance, flexibility, and cardiovascular fitness, are incorporated in this program. Fitness tests are mandatory and will be measured according to the Presidential Physical Fitness Program standards.

**5003 LOW IMPACT PHYSICAL EDUCATION (s)**  
**Grades 10 - 12**  
**Course meets 3/6 days per cycle**  
**Credit: 0.25**

This course combines lifetime activities and health-related fitness components emphasizing lifelong wellness. Adventure education, a challenge-by-choice component, is used to promote the development of skills through group activities. Lifetime activities include archery, golf, tennis, table tennis, badminton, aerobics, weight training, power walking, interval training, line dancing and wall climbing. Health-related fitness activities, with emphasis on muscular strength and endurance, flexibility, and cardiovascular fitness, are incorporated in this program. Fitness tests are mandatory and will be measured according to the Presidential Physical Fitness Program standards.

**5759 ADVANCED FITNESS (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #5****5760 ADVANCED FITNESS****Grades 10 - 12****Credit: 1.00****Career Cluster #5**

*(Recommendation necessary from PE department. This course may be used to fulfill the annual required PE credit.)*

This course is available for those who have or will participate on a Stroudsburg sports team. The Advanced Fitness course will help produce a stronger, faster, and leaner student-athlete. Day-to-day exercise, weight training, and cardiovascular development will allow you to maximize your athletic potential. Health-related fitness activities, with emphasis on muscular strength and endurance, flexibility, and cardiovascular fitness, are incorporated in the program. You will learn the importance of participation in a lifelong sport while achieving the health benefits of physical activity. Fitness tests are mandatory and will be measured according to the Presidential Physical Fitness Program standards.

**5350 HEALTH (s)****Grades 10-12****Course meets 3/6 days per cycle****Credit: 0.25***(Required for Graduation)*

Health includes the study of mental and emotional health, family and social health, personal health and physical activity, alcohol, tobacco and other drugs.

**5755 FIRST AID/ATHLETIC TRAINING 1(s)****Grades 10 – 12****Credit: 0.50****Career Cluster #5**

This course is designed for those who are interested in learning first aid, anatomy, muscle mechanics, and the prevention and care of athletic injuries to the ankle, knee, shoulder, and neck. You will complete first aid and CPR/AED instruction and obtain certification in these areas. This course is applicable to you if you are interested in pursuing a career in Allied Health or in the medical field such as a physical therapist, nurse, athletic trainer, EMT, etc.

**5756 FIRST AID/ATHLETIC TRAINING 2(s)****Grades 10 - 12****Credit: 0.50****Career Cluster #5***(Recommend: Successful completion of First Aid/Athletic Training 1)*

This semester course offers you the opportunity to learn prevention, care and rehabilitation of athletic injuries to the hand, wrist, elbow, thorax, and foot. Human anatomy, exercise physiology, kinesiology, and the principles of strength development are included in the curriculum. Presented in an applied format, you can explore the curriculum in practical laboratory experiences.

**5758 HEALTHY LIFESTYLES****Grades 10 - 12****Credit: 0.50****Career Cluster #4,5**

This course is designed to improve quality of life through physical fitness and healthy lifestyle choices. It promotes a safe environment that encourages diversity amongst its members. Healthy Lifestyles provides a safe and healthy atmosphere for all students to sample new activities. Students will have the opportunity to engage in healthy behaviors which will enable them to make healthy lifestyle changes.

# Mathematics

The Math department offers a variety of courses to meet your needs. Advanced Placement(AP)/Honors(H) courses are designed for those with exceptional mathematical ability and work ethic. College Preparatory(CP) classes are designed for those who wish to continue their studies beyond high school. The remaining math courses are designed for those whose academic strengths lie in areas other than mathematics with extended time courses being reserved for those who continue to struggle with basic math concepts.

Your recommended mathematics course sequence strongly encourages two years of Algebra and a Geometry course prior to your senior year. The reasons for this design are many, but the most important is that your success, beyond high school, has been directly linked to your successful completion of Algebra I and Algebra II coursework. In order to ensure success on the ACT, Algebra I Keystone Exam, ASVAB, SAT and other exams, you need to be as well-prepared as possible. The courses offered are aligned to state standards, with a focus on the state anchors/eligible content. It is highly recommended that you have your own scientific calculator to use on a daily basis.

Mathematics is a cumulative discipline within each course as well as from one grade level to the next. Therefore, it is expected that, in any mathematics course, you complete all work assigned by the teacher. This will include trying to complete all homework assignments which are given almost daily in most courses. It will also include being responsible for making up any missed work due to class absences in a timely fashion.

If you are recommended to complete a 9/6 math course, the class will meet everyday per six-day cycle, but as a double period three days per the six-day cycle. Upon successful completion of the course, you will be awarded 1.50 credits. 1.0 credit will be used to fulfill the required math course for graduation, and .50 credit will be used to fulfill elective credit.

\* Unless otherwise specified, all courses meet 6/6 days per cycle.

**3140 ALGEBRA 1A****Grade 9****Course meets 6/6 days per cycle.****Credit: 1.0****3141 ALGEBRA 1A (NCAA - .5 credit)****Grade 9****Course meets 9/6 days per cycle.****Credit: 1.50****3142 ALGEBRA 1A (NCAA - .5 credit)****Grade 9****Course meets 9/6 days per cycle.****Credit: 1.50**

In this course, you will perform operations with real numbers, solve and graph equations, including functions and inequalities, and analyze data. You will gain critical-thinking and problem-solving skills that will prepare you for future mathematics courses as well as many careers. Students will use calculators and computer software in appropriate places in this course of study. A scientific calculator will be provided to use in class.

**3230 ALGEBRA 1B (NCAA - .5 credit)****Grade 10****Credit: 1.00****3240 ALGEBRA 1B (NCAA - .5 credit)****Grade 10****Course meets 9/6 days per cycle.****Credit: 1.50***(Prerequisite: Algebra 1A)*

*(All students taking this course will take the Algebra 1 Keystone Exam in the Spring.)*  
This course is designed to cover the second half of the Algebra 1 curriculum. This will include work with linear and quadratic expressions, factoring polynomials, solving equations and inequalities in both one and two variables, solving simple quadratic equations, graphing linear equations and systems of simultaneous equations. Related skills, calculator use, and concept development will be integrated throughout the course. A scientific calculator is recommended.

**3450 ALGEBRA 1 Keystone**  
**Grades 10-12**  
**Credit: .25**

This course is designed to provide explicit instruction to you based on an area(s) of deficiency as defined by your previous score on the State required Algebra 1 Keystone Exam. Taking this course means that you have not met the State graduation requirement of proficiency on the Algebra 1 Keystone Exam.

**3120 ALGEBRA 1 – CP (NCAA)**  
**Grade 9**  
**Credit: 1.00**

**3121 ALGEBRA 1 – CP (NCAA)**  
**Grade 9**  
**Course meets 9/6 days per cycle.**  
**Credit: 1.50**

*(Prerequisite: Pre-Algebra. Any student who is not proficient on the PSSAs but is recommended for Algebra 1 CP will be required to take Algebra 1 9/6.)*

*(All students taking this course will take the Algebra 1 Keystone Exam in the Spring.)*

The emphasis of this course is on working with linear and quadratic expressions, factoring polynomials, solving equations and inequalities in both one and two variables, solving simple quadratic equations, graphing linear equations and systems of simultaneous equations, and writing equations given applied descriptions, graphs, or two points. Related skills and concept development will be integrated throughout the course. Calculators and computer software will be used in appropriate places in this course of study and a scientific calculator is highly recommended.

**3430 ALGEBRA 2**  
**Grades 10-12**  
**Credit: 1.00**  
*(Prerequisite: Algebra 1B or Algebra 1 CP)*

**3440 ALGEBRA 2**  
**Grades 10-12**  
**Course meets 9/6 days per cycle**  
**Credit: 1.50**

*(Prerequisite: Algebra 1B or Algebra 1 CP)*

You will review Algebra I skills, work with linear inequalities and functions, quadratic functions, non-linear relations, systems of equations, and probability and statistics. You will apply algebraic concepts by writing equations to model real-world problems. You will graph linear functions from real-life data and analyze slopes in order to make predictions, such as future profit for a company. Use of calculators, computer software and practical applications will be integrated throughout the course. It is strongly recommended that you have a scientific calculator for this course.

**3220 ALGEBRA 2 – CP (NCAA)**  
**Grade 10**  
**Credit: 1.00**

*(Prerequisite: Algebra 1CP or Algebra 1B with teacher recommendation)*

This course is a continuation of Algebra 1. The emphasis is on the Algebra 1 fundamentals, first degree equations and inequalities in two variables, solving quadratic equations, graphing quadratic functions, complex numbers, working with radical and rational expressions. A scientific calculator is highly recommended. The final course grade will be a major consideration for placement in Algebra 3, Discrete, or Transition.

**3110 ALGEBRA 2 - H (NCAA)**  
**Grades 9 - 10**  
**Credit: 1.00**

*(Prerequisite: Algebra 1)*

(NOTE: This is a typical ninth grade honors level course leading an advanced student to AP Calculus AB in his/her senior year.)

This course is a continuation of Algebra 1. The emphasis is on systems of linear equations and inequalities, equations in three variables, solving quadratic equations by various methods, graphing quadratic functions, complex numbers, working with radical and rational expressions. Additional topics include logarithms, linear programming, graphing conic sections and the use of the graphing calculator. Computer software will be used at appropriate places in this course of study and a scientific calculator is highly recommended.

**3330 GEOMETRY**  
**Grade 12**  
**Credit: 1.00**

**3340 GEOMETRY**  
**Grade 12**  
**Course meets 9/6 days per cycle.**  
**Credit: 1.50**

*(Prerequisite: Algebra 2)*

You will learn about lines, planes, and shapes and all their properties. Problems with congruence and similarity of figures, geometric equalities and inequalities, simple logic, measures of segments and angles, area, and volume are the topics that are emphasized. Integrated throughout the course will be work with fundamental operations on whole numbers, fractions, and decimals. The use of calculators and computer software will be used where appropriate, and a scientific calculator is recommended.

**3320 GEOMETRY - CP (NCAA)**  
**Grades 11**  
**Credit: 1.00**

*(Prerequisite: Algebra 1 and/or Algebra 2 - depending upon prior course sequence)*

This course is an introduction to geometry with an emphasis on definitions, theorems, and postulates dealing with lines and planes. Proofs written in various styles, congruence and similarity of figures, basic triangle trigonometry, geometric equalities and inequalities, simple logic, constructions of geometric figures, and measurement of segments, angles, area, and volume are emphasized. Computer software will be used in appropriate places in this course of study, and a scientific calculator is highly recommended.

**3210 GEOMETRY – H (NCAA)**  
**Grades 10 - 11**  
**Credit: 1.00**

*(Prerequisite: Algebra 1 and/or Algebra 2 - depending upon prior course sequence)*

This course is an introduction to Geometry with an emphasis on definitions, theorems, and postulates dealing with lines and planes. Proofs written in various styles, congruence and similarity of figures, basic triangle trigonometry, geometric equalities and inequalities, simple logic, constructions of geometric figures, and measurement of segments, angles, area, and volume are emphasized. Concepts of vectors, dilations, and transformational geometry will also be studied. Computer software will be used at appropriate places in this course of study, and a scientific calculator is highly recommended.

**3423 FUNDAMENTALS OF MATHEMATICS**  
**Grade 12**  
**Credit: 1.00**

**(This course is intended ONLY for a student where the sequence of courses prevents them from doubling up in math in grades 11 or 12 and no other course is available to them.) This course may be used to fulfill the math graduation requirement only if you have already enrolled in**

a geometry or algebra course. (Guidance/administration recommendation required.) A scientific calculator is required.

This course reviews basic math concepts including ratio and proportion, fractions, decimals and percents with a focus on calculator skills. Pre-Algebra, basic Algebra and basic Geometry concepts will also be studied during the year.

**33422 TRANSITION TO POST SECONDARY MATHEMATICS – CP (NCAA)**  
**Grade 12**  
**Credit: 1.00**

(Prerequisites: Algebra 1, Algebra 2, Geometry and teacher/guidance/administrative recommendation are required.)

This is a senior only course. You will review Algebra and calculator basics, including fractions and exponential notation, as well as ratio, proportions and percents as they relate to solving percent word problems. Other topics you will explore include: measurement and problem solving with two and three dimensional geometric objects; applications of percent, including simple and compound interest, credit card usage, formulas for purchasing a home, etc.; sets and logic; probability and statistics; review of solving systems of linear equations and inequalities by various methods; geometry review, including right triangle and introductory trigonometry. You will use calculators and computer software in appropriate places in this course. A scientific calculator is required.

**33421 DISCRETE MATHEMATICS & TRIGONOMETRY – CP (NCAA)**  
**Grade 12**  
**Credit: 1.00**

(Prerequisites: Algebra 1-CP, Geometry-CP and Algebra 2-CP. A scientific calculator is required.)

'Discrete' is defined as "individually separate and distinct." In this course, each unit of study is unrelated to the previous. This course is designed for post secondary students who are not planning on pursuing careers in mathematics, computer science or science fields. Strong algebra skills, like solving multi-step equations and graphing lines, are required for this course. You will study arithmetic and geometric sequences and series, statistics and probability. You will explore trigonometric functions, right triangle trigonometry, and trigonometric identities. You will also study systems of equations in two and three variables, linear programming and matrix operations. It is strongly recommended that you have a scientific calculator as it will be used throughout the course.

**33420 ALGEBRA 3 & TRIGONOMETRY – CP (NCAA)**  
**Grades 10-12**  
**Credit: 1.00**

(Prerequisites: Algebra 2-CP/H and Geometry-CP/H. A scientific calculator is required.)

This course is designed for students interested in post secondary education who are planning on pursuing careers in mathematics or science related fields. You are required to have a strong Algebra 2 background as we will be emphasizing advanced algebra and graphing skills with polynomial, exponential, logarithmic, and trigonometric functions. You will be using graphing calculators throughout the course. You will develop conceptual and analytical skills including, but not limited to, exponential growth and decay models, compound interest, and graphical representations of real world scenarios. You can apply these mathematical concepts in careers such as medicine, science, engineering, actuarial science, and finance.

**33423 ALGEBRA 3 & TRIGONOMETRY – H (NCAA)**  
**Grades 10 – 12**  
**Credit: 1.00**

(Prerequisites: Algebra 2-CP/H and Geometry-CP/H. A scientific calculator is required.)

This course is designed for students interested in post secondary education who are planning on pursuing careers in mathematics or science related

fields. You are required to have a strong Algebra 2 background as we will be emphasizing advanced algebra and graphing skills with polynomial, exponential, logarithmic, and trigonometric functions. You will experience a greater emphasis on application of concepts and trigonometry concepts including, but not limited to, graphing sine and cosine curves. You will be using graphing calculators throughout the course. You will develop conceptual and analytical skills including, but not limited to, exponential growth and decay models, compound interest, and graphical representations of real world scenarios. You can apply these mathematical concepts in careers such as medicine, science, engineering, actuarial science, and finance.

**3310 PRE-CALCULUS – H (NCAA)**  
**Grades 10 - 12**  
**Credit: 1.00**

**Career Cluster #2,3,5**

(Prerequisites: Algebra 2 H or Algebra 3 & Trigonometry and Geometry-H.) In this course, you will combine prior knowledge from your previous Algebra and Geometry classes to further emphasize advanced Algebra skills. You will learn how to both solve and graph polynomial, rationals, exponential, logarithmic, and trigonometric functions. You will learn to solve equations in three variables with matrix methods. You will experience a thorough integration of graphing utilities to explore mathematical concepts. A scientific calculator is **required**, and a graphing calculator is strongly suggested. In this course, you will be introduced to Calculus concepts. Since this course is to prepare you for AP Calculus AB, you should expect to spend a minimum of 30-45 minutes per day on homework. As a student in this course, you should be highly dedicated and self-motivated.

**33410 STATISTICS & PROBABILITY - H (NCAA)**  
**Grade 12**  
**Credit: 1.00**

**Career Cluster #2,3,5**

(Prerequisite: Pre-Calculus-H; a TI graphing calculator is required.)

In this course, you will experience an introduction to statistics and be introduced to the methods of both descriptive and inferential statistics. Topics you will study will include methods of population sampling, an introduction to probability and the study of both discrete and continuous random variables, especially the Normal distribution and the ideas of the Central Limit Theorem. Both numeric and graphical presentations of data and correlation and regression analysis for descriptive statistics will be practiced. The methods of inferential statistics you will be introduced to and study will be the concepts of confidence intervals and hypotheses testing. The use of a TI83/84 graphing calculator and computer software such as EXCEL will be integrated throughout the course.

**33400 AP CALCULUS AB (NCAA)**  
**Grades 11-12**  
**Credit: 1.00**

**Career Cluster #2,3,5**

(Prerequisite: Pre-Calculus-H)

This course will include fundamental calculus skills needed for the AP Calculus AB Exam given in May. Topics will include differential calculus rules, along with applied problems on related rates and curve sketching, integration rules, finding the area under a curve, applied problems of integration, finding volumes of solids of revolution, and other integration rules and techniques. Graphing calculators and computer software, when available, will be integrated throughout the course. A scientific calculator is required, but a graphing calculator is preferred. This course requires you to have a solid background in Pre-Calculus. You should expect to spend a minimum of 45-60 minutes per day on homework. Discussion and demonstration of the solutions of assigned problems are expected regularly for this course.



**3401 AP CALCULUS BC (NCAA)****Grade 12****Credit: 1.00****Career Cluster #2,3,5***(Prerequisite: AP Calculus AB)*

This course is a continuation of AP Calculus AB and is only offered to you if you have very successfully completed AP Calculus AB during your junior year. The course will include fundamental calculus skills needed for the AP Calculus BC Exam given in May. Topics will include review of derivative and integral formulas, exploring integral applications and working with parametric equations and polar coordinates, sequences and infinite series, vector functions and elementary differential equations. A graphing calculator is required.

## Music

The Music Department offers full academic credit for Concert Band, Concert Choir, and String Orchestra. Semester credit is available for Beginning Music Theory and Piano/Guitar. In addition, honors credit is available to recommended seniors participating in Concert Band 2, Orchestra 2, Concert Choir as well as recommended juniors and seniors taking Advanced Placement Music Theory. Any of these courses will help fulfill the arts/humanities requirements for graduation.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

**6309 9TH GRADE BAND****Grade 9****Credit: 1.00****Career Cluster #1,2,3,4,5***(Recommend: 8th grade band and recommendation of the Band Director(s))*

Being educated through music will elevate any subject or field you pursue. As a member of the 9th grade concert band, you will develop many skills necessary to succeed in college and in the workplace. These skills include problem solving, decision making, building self-confidence and self-discipline, teamwork, communication, responsibility, commitment, and to strive for excellence. The 9th grade concert band rehearses every day and performs at three concerts throughout the school year. You will perform various styles of music including movie soundtracks, rock, pop, jazz, and classical. We will continue to develop your playing technique and also work on more mature musical elements including tone quality, ensemble balance, blend, and intonation. Participation in this course is a necessary eligibility requirement in order to be considered for Honor Concert Band at the High School. Being a member of the 9th grade concert band will benefit you whether your future includes college, the military, or a technical career.

**6310 CONCERT BAND 1****Grades 10****Credit: 1.00****Career Cluster #1,2,3,4,5***(Recommend: 4 years of ensemble experience or the equivalent and recommendation of the Band Director(s))*

As a member of Concert Band 1, you will continue to develop individual performance skills as well as ensemble performance skills through a varied repertoire of exercises, methods and performance pieces. The goal by the end of the year is to consistently be able to perform at least grade 4 material and to continue to develop a lifelong love and appreciation for music. Membership in Concert Band 1 is obtained by you having fifth through ninth grade band experience, or the equivalent, as a prerequisite. In addition, membership in Concert Band 1 is maintained by recommendation of the band director(s), based on your level of performance of required fundamentals of music. Your participation in this course during grade 10 is a necessary eligibility requirement in order for you to be considered for Honors Concert Band during your Senior year.

**6311 CONCERT BAND 2****Grades 11 - 12****Credit: 1.00****Career Cluster #1,2,3,4,5***(Recommend: Concert Band 1 and recommendation of the Band Director(s))*

As a member of Concert Band 2, you will continue to develop and maximize your individual performance skills as well as ensemble performance skills through a varied repertoire of exercises, methods and performance pieces. The goal by the end of the year is to consistently be able to perform at least grade 5 material and to continue to develop a lifelong love and appreciation for music. Membership in Concert Band 2 is obtained by you having fifth through tenth grade band experience, or the equivalent, as a prerequisite. In addition, membership in Concert Band 2 is maintained by recommendation of the band director(s), based on your level of performance of required fundamentals of music. Concert Band 2 is the culmination of the Band Program for the District and requires you to perform at the highest level. Your participation in this course during grade 11 is a necessary eligibility requirement in order for you to be considered for Honors Concert Band during your senior year.

**6312 CONCERT BAND 2 – H****Grade 12****Credit: 1.00****Career Cluster #1,2,3,4,5***(Recommend: Concert Band 1 (grade 10), Concert Band 2 (Grade 11), and recommendation of the Band Director(s))*

Honors credit for Concert Band 2 provides an enrichment program for you. This enrichment program will include preparation and performance of solo and small ensemble literature, successful preparation and performance at district band auditions, performance of an end-of-year honors recital along with an end-of-year self-directed project.

**6330 9TH GRADE ORCHESTRA****Grades 9****Credit: 1.00****Career Cluster #1,2,3,4,5***(Prerequisite: 8th grade orchestra and recommendation from the orchestra director)*

Musical studies prepare students for any chosen career path in terms of the skills which they teach: Discipline, Teamwork, Critical Thinking, Foreign Language, Problem Solving, just to name a few. 9th Grade Orchestra meets every day and will continue to build on musical skills already introduced to you in the 8th grade. You will learn more advanced rhythms as well as aspects of technique including vibrato, intonation, tone, higher positions, increased independence and blend in ensemble playing, and more difficult musical literature. You will play music written by the classical masters as well as many other genres of music. Three public concerts will be presented as demonstration of these skills. Participation in this course during Grade 9 is a necessary eligibility requirement to be considered for Honors Orchestra during your senior year.

**6331 ORCHESTRA 1****Grade 10****Credit: 1.00****Career Cluster #1,2,3,4,5***(All students taking this course will have completed at least 5 years of Orchestra or the equivalent and will be recommended by the Orchestra director)*

By taking Orchestra 1 in grade 10 you will be furthering your orchestral experience and learning new skills through a literature-based ensemble. Whatever your future plans include, Orchestra 1 is an excellent choice to help you develop great teamwork skills, build self discipline and self confidence, and demonstrate your dedication to seeing a project through to the end! Orchestra 1 meets daily for one full class period. You will be grouped for lessons which are offered once every 6 day cycle. You will

enjoy performing with your peers at the first two concerts of the year and with the 11th and 12th grade orchestra students for the final concert. The repertoire you will work on will be more complex and involved than in 9th grade orchestra. There will be an emphasis on expanding your musical toolbox with scale skills, shifting into higher positions, developing a more even vibrato and learning to count and play more intricate rhythms. You will be expected to practice your instrument at home in order to facilitate more effective rehearsal time with the entire group.

**6332 ORCHESTRA 2**  
**Grades 11 - 12**  
**Credit: 1.00**  
**Career Cluster #1,2,3,4,5**

*(All students taking this course will have completed at least 6 years of Orchestra or the equivalent and will be recommended by the Orchestra director)*

As an 11th or 12th grader, Orchestra 2 is the next logical step in your school orchestra experience. By now, you have finely honed many skills and you are prepared to tackle even more challenging pieces of music. You have worked with your grade-level classmates and now will be a member of a bigger, more advanced ensemble which includes both 11th and 12th graders. Orchestra 2 meets daily for one class period. You will be performing at 3 concerts throughout the year. Emphasis will be placed on playing more difficult music with a more mature, musical approach. You will be expected to practice your instrument at home in order to facilitate more effective rehearsal time with the entire group. Orchestra 2 will further build teamwork and commitment skills that will take you far no matter what you plan to do after graduation.

**6333 ORCHESTRA 2 - H**  
**Grade 12**  
**Credit: 1.00**  
**Career Cluster #1,2,3,4,5**

*(All students taking this course will have completed the requirements for Orchestra 2 in addition to having already prepared and auditioned for PMEA District 10 Orchestra at least once prior to taking this class)*

If you are taking Orchestra 2H, you are a senior who is looking for more opportunities to further your playing and performing abilities. You will be completing all of the requirements for Orchestra 2 in addition to these requirements for honors credit: You are willing to work hard to prepare the scales and the solo required for the PMEA District 10 Orchestra audition. You are thinking of creative ways to prepare and present your Composer Profile project. You are looking forward to the spring Senior Honors recital where you will play a solo piece for an audience of your peers. Being in Orchestra 2 H will further build teamwork and commitment skills that will take you far no matter what you plan to do after graduation.

**6320 9TH GRADE CONCERT CHOIR**  
**Grade 9**  
**Credit: 1.00**  
**Career Cluster #1,2,3,4,5**

9th Grade Concert Choir is open to those who enjoy singing and would like to develop both their singing skills and their musicianship. A variety of music will be learned as well as techniques of vocal production and music reading. This ensemble will present three concerts during the year. Members are eligible to audition for several extracurricular ensembles and activities, including Show Choir, Select Choir, and the District musical. Advanced singers are also eligible to audition for PMEA District 10 Chorus. You should see the director for more information. Participation in this course is required for Honors Chorus eligibility in 12th grade.

**6321 CONCERT CHOIR**  
**Grades 10 - 12**  
**Credit: 1.00**  
**Career Cluster #1,2,3,4,5**

*(Recommend: A minimum of two years choral ensemble experience in a*

*choral program, or approval of the choir director)*

Concert Choir will be a multi-graded choral experience. You should have a minimum of two years of choral ensemble experience to participate in this choir. A variety of music will be learned along with techniques of vocal production and music reading. This ensemble will present three to four concerts each year. There will be additional opportunities for community performances and small ensemble experiences. Advanced singers are eligible for participation in district, regional and state festivals. The Choral and Show Choir provide extra-curricular opportunities for members of the Concert Choir who are selected by audition in the spring of each year. You should see the choir director for more information. Participation in this course during grades 10-11 is a requirement to be considered for Honors Concert Choir during your senior year.

**6322 CONCERT CHOIR (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #1,2,3,4,5**

*(Prerequisite: A minimum of two years choral ensemble experience in a choral program, or approval of the choir director)*

This semester course is designed for those with no room in their schedule for full-year Concert Choir. You will meet with the regular full-year Concert Choir and will participate in all choral activities during the scheduled semester.

**6323 CONCERT CHOIR – H**  
**Grade 12**  
**Credit: 1.00**  
**Career Cluster #1,2,3,4,5**

Honors credit provides an enrichment program for those who are enrolled in Concert Choir. This enrichment program includes successful preparation and performance of the PMEA District 10 Chorus audition piece, preparation and written analysis of solo vocal repertoire, research in the area of vocal health, and preparation of an appropriate vocal solo for performance in the annual Music Department Honors Recital.

**6341 BEGINNING PIANO KEYBOARD, ACOUSTIC GUITAR (s)**  
**Grades 10 - 12**  
**Credit: 0.50**  
**Career Cluster #1,2,3,4,5**

This music course is designed for those interested in current musical trends. A great emphasis is placed on learning to play piano keyboards and acoustic guitar. No previous musical experience is required for this class, but a level of music reading will be accomplished by the end of the semester.

**6340 BEGINNING MUSIC THEORY - CP (s)**  
**Grades 10 - 12**  
**Credit: 0.50**

This music course is intended for those of you who would like to be able to read music better, understand key signatures, chords, rhythm reading, and other aspects of music theory and apply it to your own instrument. You will also be exposed to a number of sight reading experiences to strengthen your musical ability.

**6350 AP MUSIC THEORY**  
**Grades 10 - 12**  
**Credit: 1.00**  
**Career Cluster #1,2,3,4,5**

This one-year course is designed expressly for the serious student who wishes to pursue music or musical performance on the college or professional level. The course content includes history, theory, analysis, composition, conducting, performance techniques and career orientation. Heavy emphasis in this curriculum focuses on music theory and ear training (aural skills).

# Science

The Science Department strongly encourages you to take more than one science course per year in grades 9 through 12. A variety of science classes and electives allows you to customize your science program depending on your intended course of study in college.

The goal of the science department at Stroudsburg Senior High School is to give you the opportunity to gain background knowledge in both the biological and physical sciences. This will allow you to succeed at the collegiate level or chosen career path, gain a broad understanding of the world around you, and become a citizen able to make well-informed decisions about societal and technological issues.

Note: All students taking Advanced Placement or Honors courses may be expected to complete required summer work. See course instructor for details.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

## **4110 INTRO TO PHYSICAL SCIENCE 9 - H (NCAA)** **Grade 9** **Credit: 1.00**

This course is designed to serve as a solid foundation for the study of the Physical Sciences. Topics to be investigated are phases of matter, force and motion, work, simple machines, conservation and transformation of energy, and electricity. General chemistry concepts include states of matter, the Periodic Table, chemical reactions, balancing chemical equations, and the Law of Conservation of mass.

Your role in this course is to develop inquiry and problem-solving skills within the context of scientific investigation. You will apply what you learn to everyday situations by conducting investigations and formulating and testing your own hypotheses. Recommendation: Math placement - Algebra1-CP or better (may be taken concurrently).

## **4120 INTRO TO PHYSICAL SCIENCE 9 - CP (NCAA)** **Grade 9** **Credit: 1.00**

This course explores the physical world around us. The interaction of matter and energy in the physical world is the foundation for this hands-on, discovery-based course. Extensive lab work, student-centered activities, and real-life applications will be the focus throughout this course. This course is designed to prepare you with fundamental skills such as measuring, data collection and manipulation, observing, and application of the scientific method. You will explore the how and why of general science with the emphasis that science is a process, not just learned facts. Recommendation: Math placement - Algebra 1-CP or better (may be taken concurrently).

## **4130 KEYSTONE CELL BIOLOGY & ECOSYSTEMS** **Grade: 9 (10-11 as needed)** **Credit: 1.00**

As part one of two sequential Biology courses, curriculum for Keystone Cell Biology & Ecosystems meets or exceeds state standards, with focus on the PA Keystone exam standards and eligible content. You will understand the goals of science and the importance of studying life. A study of the interactions of life within ecosystems, populations, resources and human interactions will be a major focus of the course. You will learn about the chemical basis of life, cell structure and function, and homeostasis. Lab work and the use of technology are presented to reinforce concepts taught in class.



## **4150 INVERTEBRATE BIOLOGY** **Grade 9** **Credit: 0.50** **Career Cluster #3,4**

While learning about invertebrates, you will identify the major phyla of invertebrate animals while understanding their physical and behavioral characteristics. Topics include animal characteristics, taxonomy, sponges, coelenterates, flatworms, roundworms, arthropods, annelids, mollusks, echinoderms, and other more advanced invertebrate examples. You will perform many laboratory activities such as utilization of microscopes, collection and classification of insects, dissections of selected specimens, and identification of preserved specimens. These laboratory activities will help you develop skills necessary for success in post-secondary study.

## **4154 MARINE SCIENCE (s)** **Grade 9** **Credit: 0.50** **Career Cluster #3**

This class examines the diversity of marine organisms from plankton to predatory sharks to the largest whales, from the deepest trench to the shore. You will explore the special adaptations that allow organisms to thrive and create the complex web of ocean life. Topics include animal characteristics, plankton, sponges, cnidarians, flatworms, roundworms, arthropods, annelids, mollusks, echinoderms, the three classes of fish, and marine mammals. You will perform many laboratory activities such as utilization of microscopes, dissections of various marine organisms, and identification of preserved specimens.

## **4210 BIOLOGY - H (NCAA)** **Grades 9 - 10** **Credit: 1.5** **Course meets 9/6 days per cycle**

*(Recommend: Physical Science (if not taken concurrently).  
(All students taking this course will take the Biology Keystone Exam in the Spring.)*

The Honors Biology curriculum parallels the course description for Biology as listed below, with several exceptions. If you are taking the Honors curriculum, you should expect a more rigorous and in-depth approach to biology to help prepare you for more advanced classes in biology such as Honors Anatomy and Physiology or AP Biology. Several lab activities not found in the general biology curriculum are performed. A research paper or project may be required.

**4220 BIOLOGY - CP (NCAA)****Grade 10****Credit: 1.50****Course meets 9/6 days per cycle***(Recommend: Physical Science (if not taken concurrently).)*

This Biology curriculum meets or exceeds state-mandated standards as dictated by the Keystone Exam for Biology. You will be introduced to the characteristics all life has. Study will continue with biochemistry and an in-depth study of the cell, homeostasis, and cell division. Cellular respiration and photosynthesis are compared and contrasted as important cell activities. Current cutting edge topics and bioethical issues such as stem cells, cloning, and cancer will be touched upon. Studies will continue with a detailed understanding of DNA, basic genetics, human genetics, and biotechnology and its impact on society. These units lead into a study of evolution where natural selection and the theory of evolution are introduced. Lab work is presented to reinforce concepts taught in class. Review and preparation for the Keystone Biology exam will be reinforced through the entire class and directly before the test.

**4230 KEYSTONE BIOLOGY & UNITY OF LIFE****Grade 10 (11-12 as needed)****Credit: 1.00***(Recommend: Successful completion of Keystone Cell Biology and Ecosystems)**(All students taking this course will take the Biology Keystone Exam in the Spring.)*

You will review biochemistry and cells as in the Keystone Cell Biology and Ecosystems course. New material will begin by focusing on homeostasis and cell division. Cellular respiration and photosynthesis are compared and contrasted as important cell activities. Current cutting edge topics and bioethical issues such as stem cells, cloning, and cancer will be touched upon. Studies will continue with a detailed understanding of DNA, basic genetics, human genetics, and biotechnology and its impact on society. These units lead into a study of evolution where natural selection and the theory of evolution are introduced. Lab work is presented to reinforce concepts taught in class. Review and preparation for the Keystone Biology exam will be reinforced through the entire class and directly before the test.

**4250 BIOLOGY KEYSTONE****Grades 10-12****Credit: .25**

This course is designed to provide explicit instruction to you based on an area(s) of deficiency as defined by your previous score on the State required Biology Keystone Exam. If you are taking this course, you have not met the State graduation requirement of proficiency on the Biology Keystone Exam.

**4310 CHEMISTRY 1 - H (L) (NCAA)****Grades 10 - 12****Course meets 7/6 days per cycle****Credit: 1.167***(Recommend: Successful completion of Physical Science and Biology or taking Honors Biology concurrently. In place of Algebra 2 CP, students may take Algebra 2 H concurrently with this course.)*

The Chemistry I Honors course is designed to be the first half of the Advanced Placement Chemistry curriculum as set forth by the College Board. This is a college-level chemistry course and is designed for those of you who plan on majoring in science or a related area. This serves as a prerequisite for AP Chemistry. The curriculum includes in-depth study of the following topics: matter, classification and description, measurement, mathematical concepts applicable to chemistry, atomic theory and structure, chemical formulas and nomenclature, mass and energy relationships in reactions, reactions in aqueous media, gases, thermochemistry, quantum theory, and periodic relationships of the elements. This course places extra emphasis on rigorous mathematical and chemical applications. Laboratory sections meet once per cycle for two consecutive periods

**4320 CHEMISTRY 1 - CP (NCAA)****Grades 10 - 12****Credit: 1.00***(Recommend: Successful completion of Physical Science and Biology or Biology concurrent with Chemistry 1 CP, Algebra 1 CP, or taking Algebra 2 CP concurrently.)*

Chemistry I is a college preparatory course that introduces chemical theories including atomic structure, quantum theory of atomic structure, chemical bonding, chemical reactions, mass and energy relationships in a chemical reaction, physical and chemical properties of gases, liquids, solids, and aqueous solution chemistry. Lab techniques and report writing skills, mathematical calculations, analysis of data, and discussion of results are emphasized. This course is designed and recommended if you are planning to attend a four-year college or university. If enrolled in this course, you are eligible to take Chemistry 2 CP; enrolling in AP Chemistry after this course is not recommended. If you desire AP Chemistry, you should enroll in Chemistry 1 Honors.

**4330 CHEMISTRY 1****Grades 10 - 12****Credit: 1.00***(Recommend: Successful completion Biology)*

Chemistry involves the study of matter. In this course, you will examine the structure, organization, and behavior of matter as well as interactions between and changes in matter in order to better understand the physical world and the role of chemistry in everyday life. You will learn about major concepts in chemistry by studying atomic theory, physical and chemical properties of gases, liquids, solids, the Periodic Table, the behavior of gases, chemical bonding, aqueous solutions, and chemical reactions. You will participate in a variety of learning activities that may include working in cooperative learning groups, completing hands-on laboratory investigations and activities, and doing research for presentations.

**4420 PHYSICS 1 – CP (L) (NCAA)****Grades 10 - 12****Course meets 7/6 days per cycle****Credit: 1.167****Career Cluster #3,4,5***(Recommend: Successful completion of Biology, Chemistry 1 - if not taken concurrently - Algebra 2-CP and taking or have taken Geometry)*

This course deals with the fundamental features of the world such as time, space, motion, matter, light, electricity and radiation. Although physics is not the only science that deals with these features, all other sciences rely upon physics for their own foundation. Through laboratory experiences and classroom discussions, you are led toward an understanding of the physical world. The classroom setting is informal, and you are encouraged to discuss problems and laboratory work in small groups. Laboratory classes meet once per cycle for a double period.

**4400 PHYSICS 1 - H (L) (NCAA)****Grades 10 - 12****Course meets 7/6 days per cycle****Credit: 1.167****Career Cluster #3,4,5***(Prerequisite: Geometry, Biology, Chemistry 1 (if not taken concurrently)).*

This course is similar in scope and sequence to Physics 1 CP but requires a greater proficiency in mathematics. Laboratory classes meet once per cycle for a double period. This course is designed to be the first half of the Advanced Placement Physics BC curriculum as set forth by the College Board. This is a college-level physics course.

**4401 AP PHYSICS BC (L) (NCAA)****Electricity & Magnetism and Mechanics****Grade 12****Course meets 8/6 days per cycle****Credit: 1.333****Career Cluster #3,4,5***(Prerequisite: Physics 1-H, completion of calculus (may take concurrently)).*

This course is structured to prepare you to take the Physics B or C - Advanced Placement exam. It is a college-level course that normally

forms the first part of the college sequence and serves as the foundation in physics if you are majoring in the physical sciences or engineering. The methods of calculus are used wherever appropriate in formulation of physical principles and applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, and analysis in the laboratory as well as the classroom. Roughly the first half of the year is devoted to classical mechanics and the second half to electricity and magnetism. Special relativity and quantum topics are interspersed throughout the course.

**4315 ANATOMY AND PHYSIOLOGY - H (L) (NCAA)**

**Grades 10 - 12**

**Course meets 8/6 days per cycle**

**Credit: 1.333**

**Career Cluster #3,4,5**

*(Recommend: Physical Science and Biology.)*

This course is designed for seniors and underclassmen who are interested in entering the fields of nursing, medicine, and biology. Classwork involves the study of topics such as biochemistry, cytology, histology, and anatomy and physiology of the human body. You should have mastery knowledge in biochemistry (including but not limited to carbohydrates, lipids, proteins and nucleic acids) and cell biology (including but not limited to functions of cellular organelles, cellular transport and protein synthesis). Laboratory work includes the use of the microscope in the study of cells and tissues, experiments in biochemistry, and dissection of the cat and of various sheep organs. Seniors will receive priority in scheduling for this course.

**4325 ANATOMY AND PHYSIOLOGY - CP (NCAA)**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Recommend: Physical Science and Biology.)*

This course is for those interested in anatomy and physiology. Classwork involves the study of biochemistry, cytology (cells), histology (tissues), and anatomy and physiology of the human body. Laboratory work includes the use of the microscope, study of cells and tissues, experiments in biochemistry and through mammalian dissection of the cat and various sheep organs. Seniors will receive priority in scheduling for the course.

**4236 HUMAN ANATOMY & PHYSIOLOGY**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Prerequisite: Physical Science and Biology-can be taken concurrently)*

The course provides a strong background in the structural and functional components of the human body. Presented in an applied format, the course will afford you the opportunity to explore the dynamics of the working body through practical and/or virtual laboratory experiences.

**4415 AP BIOLOGY (L) (NCAA)**

**Grades 11 - 12**

**Course meets 8/6 days per cycle**

**Credit: 1.333**

**Career Cluster #3,4,5**

*(Prerequisite: Biology-H, Chemistry 1. Recommend: Successful completion of Anatomy & Physiology before or concurrently)*

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. This course is to be taken after successful completion of a first course in biology and one in chemistry as well. It aims to provide the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The key concepts and related content that define the AP Biology course and exam are organized around underlying principles called the Big Ideas, which encompass the core scientific principles, theories and processes governing living organisms and biological systems. Big Idea 1: Evolution; Big Idea 2: Cellular Processes: Energy and Communication; Big Idea 3: Genetics

and Information Transfer; and Big Idea 4: Interactions. The AP Biology course is designed to enable students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. Students interested in this course should be successful independent learners with a strong interest in the field of biology. Summer work may be required to meet the requirements of this course.

**4405 AP CHEMISTRY (L) (NCAA)**

**Grades 11 - 12**

**Course meets 8/6 days per cycle**

**Credit: 1.333**

**Career Cluster #3,4,5**

*(Prerequisite: Chemistry 1-H)*

The topics of this course include: chemical bonding, molecular geometry, valence bond theory, molecular orbital theory, intermolecular forces, equilibria, solution chemistry, kinetics, acids and bases, entropy, free energy, electrochemistry, coordination chemistry, nuclear and organic chemistry. This course is a continuation of the Chemistry 1 Honors (college-level) course, with emphasis on laboratory practices and procedures. You will require a high level of mathematical proficiency and should anticipate a challenging workload. Laboratory classes meet two times during each cycle for double periods.

**4327 CHEMISTRY 2 - CP (L) (NCAA)**

**Grades 11 - 12**

**Course meets 8/6 days per cycle**

**Credit: 1.333**

**Career Cluster #3,4,5**

*(Recommend: Successful completion of Chemistry 1-CP and Algebra 2)*

Chemistry 2 CP is a continuation of Chemistry 1 CP. It is intended to further the knowledge of the basic chemical concepts as well as introduce more college-level material. The course is very laboratory intensive (with double-period lab classes meeting twice during each cycle). The lab experience provides the opportunity to use advanced techniques and tools commonly used in chemical and physical methods of data collection. The main topics of the course are: equilibrium, solubility equilibrium, acids and bases, oxidation-reduction reactions, electrochemistry, kinetics, and organic chemistry. This course is better suited for Chemistry 1 CP students since Chemistry 1 Honors uses a different text and covers different material.

**4316 AP ENVIRONMENTAL SCIENCE (NCAA)**

**Grade 11-12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Prerequisite: Biology 1 and Chemistry 1)*

The AP Environmental Science course is designed to be the equivalent to an introductory, one semester, environmental college course. The course is designed to provide you with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The topics covered include: energy flow in ecosystems, human disturbances, environmental problems and their cultural/social context, the earth as an interconnected system, and achieving sustainable resource use. At the completion of this course, you will be prepared to take the Environmental Science AP exam.

**4326 PRINCIPLES OF ECOLOGY & FIELD BIOLOGY - CP (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Recommend: Successful completion of Chemistry)*

This course explores the general concepts of ecology. Included are

ecosystems, habitats, communities and niches, abiotic and biotic factors, food chains, webs and pyramids, population dynamics, interspecies and intraspecies relationships, animal behavior, animal adaptation and evolution. Ecology uses basic science knowledge gained in earlier courses to explain how living things are affected by the world around us and how organisms affect one another.

#### **4336 PRINCIPLES OF ECOLOGY**

**Grade 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Recommend: Successful completion of Chemistry)*

This course explores the general concepts of ecology. Included are ecosystems, habitats, communities and niches, abiotic and biotic factors, food chains, webs and pyramids, population dynamics, interspecies and intraspecies relationships, animal behavior, animal adaptation and evolution. Ecology uses basic science knowledge gained in earlier courses to explain how living things are affected by the world around us and how organisms affect one another.

#### **4350 ENVIRONMENTAL ISSUES/BIOETHICS**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Recommend: Successful completion of Biology)*

This course allows you to explore and discuss some of the more intensely debated scientific issues in modern society. Units covered include animals, environment and health, land use, natural resources, and biotechnology. You will obtain information about a topic; determine the sides of the issue; and, using methods including debate, role-play, projects, speakers, and multimedia formulate and express your opinions about each issue.

#### **4351 INTRODUCTION TO FORENSIC SCIENCE (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

*(Prerequisites: biology, chemistry (concurrent))*

This course will give you an overview of the crime scene investigation process and the issues involved in presenting forensic evidence in court. The course examines the distinct field of study that collectively comprise the forensic sciences. These fields include among others, forensic anthropology, forensic pathology, forensic toxicology, serology and DNA typing, questioned documents, crime scene investigation, fingerprint evidence, polygraph and other investigative devices. By the end of the course, you will be able to demonstrate the ability to determine appropriate conclusions based upon scientific evidence, apply critical-thinking skills to solve problems in criminal justice using the scientific method, demonstrate the ability to discriminate between real science and science fiction, and use evidence and experimental data to draw valid scientific conclusions.

#### **4352 PENNSYLVANIA'S WILD NATURAL RESOURCES**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #3,4,5**

This course is designed to give you an introduction to the world of nature in the Keystone State. Our Commonwealth holds many natural treasures, including state parks, forests, game lands, national recreation areas and wildlife refuges. Various communities, such as bogs, forests, streams, and lakes will be explored as well as the wildlife species, their history and importance.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

### **SPECIFIED COURSES:**

#### **2110 CIVICS, GOVERNMENT & 19TH CENTURY HISTORY - H**

**Grade 9**

**Credit: 1.00**

This course provides a study of history (American and world) from 1800 to 1900. The history portion of the course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 19th century that have helped to shape our nation and world into the places they are today. The foundations of research methodologies and the products that reflect that research will be emphasized.

The honors curriculum requires intensive study and high expectations. You are expected to demonstrate exceptional critical-thinking and problem-solving skills, as well as strong public speaking abilities. A strong emphasis is placed on research and the writing process. This course is intended for you if you are an independent, highly motivated student who intends on competing for admission to highly competitive colleges.

#### **2120 CIVICS, GOVERNMENT & 19TH CENTURY HISTORY - CP**

**Grade 9**

**Credit: 1.00**

This course provides a study of history (American and world) from 1800 to 1900. The history portion of the course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 19th century that have helped to shape our nation and world into the places they are today. The foundations of research methodologies and the products that reflect that research will be emphasized.

The college-prep curriculum requires advanced study and above average expectations. You are expected to demonstrate critical-thinking and problem-solving skills, as well as developmental public speaking abilities. An emphasis is placed on research and the writing process. This course is intended for you if you are a motivated student who intends to move on to post-secondary education.

#### **2130 CIVICS, GOVERNMENT & 19TH CENTURY HISTORY**

**Grade 9**

**Credit: 1.00**

This course provides a study of history (American and world) from 1800 to 1900. The history portion of the course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 19th century that have helped to shape our nation and world into the places they are today. The root elements of research methodologies and the products that reflect that research will be emphasized.

The curriculum requires basic study and developmental expectations. You are expected to demonstrate developmental critical- thinking and problem-solving skills, as well as preliminary public speaking abilities. Basic skills for research and the writing process will be developed. This course is intended for you if you are considering moving on to post-secondary education.

#### **2210 20TH & 21ST CENTURY GLOBALIZATION - H**

**Grade 10**

**Credit: 1.00**

This course provides a study of history (American and world) from 1900 to the present. The course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 20th and 21st centuries that have helped to shape our nation and world into the places they are today. The use of research methodologies and the products that reflect that research will be emphasized. The tenth grade honors curriculum requires intensive study and high expectations. You are expected to demonstrate exceptional critical-thinking and problem-solving skills, as well as strong public speaking abilities. An advanced emphasis is placed on research

## **Social Studies**

You will be required to complete 3.0 credits in the Social Studies curriculum as part of the graduation requirements. You are required to take the specified courses in Grades 9 and 10 and an additional credit from the list of electives. These courses count toward Social Studies credit except for Psychology which counts as an elective credit.

and the writing process. This course is intended for you if you are an independent, highly motivated students who intends on competing for admission to highly competitive colleges.

## **2220 20TH & 21ST CENTURY GLOBALIZATION - CP**

**Grade 10**

**Credit: 1.00**

This course provides a study of history (American and world) from 1900 to the present. The course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 20th and 21st centuries that have helped to shape our nation and world into the places they are today. The use of research methodologies and the products that reflect that research will be emphasized. The tenth grade college-prep curriculum requires advanced study and above average expectations. You are expected to demonstrate strong critical-thinking and problem-solving skills, as well as above average public speaking abilities. A strong emphasis is placed on research and the writing process. This course is intended for you if you are a motivated student who intends to move on to post-secondary education.

## **2230 20TH & 21ST CENTURY GLOBALIZATION**

**Grade 10**

**Credit: 1.00**

This course provides a study of history (American and world) from 1900 to the present. The course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 20th and 21st centuries that have helped to shape our nation and world into the places they are today. The root elements of research methodologies and the products that reflect that research will be emphasized.

The tenth grade curriculum requires basic study and developmental expectations. You are expected to demonstrate developmental critical-thinking and problem-solving skills, as well as developmental public speaking abilities. Basic skills for research and the writing process will be developed. This course is intended for you if you are considering moving on to post-secondary education.

## **ELECTIVE COURSES:**

### **2258 CURRENT AMERICAN ISSUES (s)**

**Grade 9**

**Credit: 0.50**

**Career Cluster #2,4**

In this course, you will research and debate current American issues through the use of various forms of media, including, but not limited to: newspapers, magazines, and online databases. You will study the implications of geography, history, cultures and economics on contemporary issues. You will cover units that examine the citizens' role in their community, local government, state government, and international policies. You are required to attend one civic meeting per marking period while enrolled in this class. This includes school board, borough council, township supervisor, or county commissioner meetings.

### **2259 MODEL CONGRESS (s)**

**Grade 9**

**Credit: 0.50**

**Career Cluster #4**

In this course, you will research and debate policies on a local, state, national, and international level. You will research, write, discuss, and debate proposed bills. You will debate these issues using the principles of Parliamentary procedure. You will cover units in which you look at the U.S. Congress, parties and politics, voting and elections, public opinion and interest groups, and financing our government. You are required to attend one civic meeting per marking period while enrolled in this class. This includes school board, borough council, township supervisor, or county commissioner meetings.

### **2305 AP UNITED STATES HISTORY (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #4**

AP United States History is a college-level course that stresses critical thinking and advanced research and writing skills. This course is offered in a seminar-style setting. If you have a genuine interest in our country's past, present and future, this class will give you an opportunity to share ideas with your peers. Successful completion of this class and the AP exam may lead to college credit. **This course has a summer work requirement.**

### **2306 AP EUROPEAN HISTORY (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #4**

AP European History is a college-level course that stresses critical thinking and advanced research and writing skills. This course is offered in a seminar-style setting. If you have a genuine interest in European history, this class gives you an opportunity to share ideas with your peers. Successful completion of this class and the AP exam may lead to college credit. **This course has a summer work requirement.**

### **2316 PSYCHOLOGY - CP (NCAA)**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #2,4,5**

*(This course does not count toward Social Studies credit but does count toward elective credit.)*

Psychology is the science of human and animal behavior. This introductory course in psychology surveys several topics, such as: scientific methods of psychology, growth and development, influences of heredity and environment, understanding personality, measuring intellectual ability, learning, remembering and forgetting, motivation and emotions, frustration, conflict and stress, psychological disturbances, therapy for psychological disturbances, social influence and interaction. Psychology has evolved into a discipline with various approaches to psychological thought. This evolution is an ongoing challenge which is reflected in current psychological literature. Course requirement: you will be responsible for submitting a requirement such as a book report, research paper or psychological experiment which has been approved by the instructor. You should be capable of reading a college-level text.

### **2308 AP AMERICAN GOVERNMENT AND POLITICS (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #4**

AP American Government and Politics is a college-level course that stresses critical thinking and advanced research and writing skills. This course is offered in a seminar-style setting. If you have a genuine interest in American government and politics, this course gives you an opportunity to share your ideas with your peers. Successful completion of this class and the AP exam may lead to college credit.

### **2256 UNITED STATES ISSUES AND CURRENT EVENTS (NCAA) (s)**

**Grades 11 - 12**

**Credit: 0.50**

**Career Cluster #2,4**

### **2256B UNITED STATES ISSUES AND CURRENT EVENTS (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #2,4**

This course will enable you to encounter History, Economics, Geography and Civics standards through a study of up-to-the-minute issues in the United States. In this way, the course offers an authentic validation of learning those standards because you will see their relevance in your current, real life. As issues arise, you will analyze the cause and effect of those issues, dissect

their essential elements, understand their relevance to your life, process and assess how news media reports on those issues, and analyze how those issues are processed by and affect different groups in our society.

**2257 GLOBAL ISSUES (NCAA) (s)**

**Grades 10 - 12**

**Credit: 0.50**

**Career Cluster #2,4**

**2257B GLOBAL ISSUES (NCAA)**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #2,4**

Global Issues offers you the opportunity to study the contemporary world through current events. It is designed to be informative as well as provide experience in reading, research, and writing. You will develop a sense that, as time passes, we will become more intertwined with the "global community," and that these issues will affect us all. Some topics will include:

environmental issues, global conflict, population issues, and human rights.

**2450 MINORITIES IN AMERICA (s)**

**Grades 10 - 12**

**Credit: 0.50**

**Career Cluster #4**

This course is an in-depth study of the role of individual and group minority movements that have shaped and impacted the development of America. Individuals and group efforts will be identified and analyzed as to their short-term and long-term impact on the American experience from the creation of the country until present day.

**2460 AMERICAN POP CULTURE (s)**

**Grades 10 - 12**

**Credit: 0.50**

**Career Cluster #4**

This course will study popular trends, hobbies, fads and fashions in America throughout its history and how these preferences both reflected and shaped Americans. You will be invited to research and identify American behavior and relate that behavior to historical events.

**2470 METHODS OF LEARNING (s)**

**Grades 10 - 12**

**Credit: 0.50**

**Career Cluster #1,2,3,4,5**

This class focuses on helping you hone your skills as learners with a focus on how dominant the processes of research are in being a life-long learner. Additionally, you will gain an understanding of a variety of presentation methodologies and the correlation between research topics and presentation methods. This class will expose you to a greater understanding of modern technologies and their impact on research, organization and presentation.

**2480 ECONOMICS (s)**

**Grades 11 - 12**

**Credit: 0.50**

**Career Cluster #2,4**

This introductory course defines basic economic principles and economic systems through the examination of traditional, command, market and mixed economies. The role of individual consumers, businesses and government in economics will be studied through the economic development of the United States by examining the evolution of fiscal and monetary policy. International trade and globalization will be studied through absolute and comparative advantage, US trade policy, global institutions, free trade agreements, labor markets and outsourcing. You will evaluate economic systems and analyze international trade and globalization as it relates to the US economy.

## Special Education

### SPECIAL EDUCATION

The Stroudsburg Area School District either directly, or through contract with other education agencies, provides special education programs and services that are required to meet your specific disabilities. An Individualized Education Program (IEP) is developed for you if you meet eligibility for special education services on a yearly basis. The IEP team provides the building-level team with program and course recommendations to meet your specific and individual needs. Both regular education and special education classes are available as needed to address needs outlined within the IEP. If your IEP states that you have a need for a course or program that is not listed in this Program of Study, that course or program may be added to your schedule through the IEP process.

#### Gifted Support:

The Stroudsburg Area School District offers a variety of learning options to meet your needs and interests if you have been found eligible for gifted programming and services in grades 9 through 12. A Gifted Individualized Education Plan (GIEP) is developed yearly by building-level teams. The GIEP team determines the specially designed instructions necessary to enrich and/or advance you in your identified area(s) of giftedness.

## Technology Education

The Junior High and High School Technology and Engineering program is an individualized and specialized problem based learning program that is concerned with understanding the evolution, application, and significance of technology. Technology and Engineering courses are designed to challenge your curiosity, creativity, imagination and perseverance. Emphasis is given to the application of Science, Technology, Engineering, Arts, and Math (STEAM) instructional and learning principles. Courses in Technology and Engineering are open to students in all program sequences. You must successfully complete one course in Technology and Engineering to meet the SASD graduation requirements.

**6411 EMERGING ENERGY TECHNOLOGIES (s)**

**Grades 10-12**

**Credit: 0.50**

**Career Cluster #3,5**

This course is designed to study the past, present and future of all forms of energy that our society has become dependent on. You will investigate and complete projects in areas including electricity, combustion engines, alternative energy and transportation systems. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6412 INTRODUCTION TO ENGINEERING & DESIGN (s)**

**Grade 9**

**Credit: 0.50**

**Career Cluster #3,5**

Throughout this course, you will develop a basic understanding of the engineering and design process. You will use a variety of hand and power tools to complete a variety of assignments while applying STEAM skills and practices. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.



**6420 MATERIALS PRODUCTION 1 (s)****Grades 9 - 12****Credit: 0.50****Career Cluster #3,5**

This course is designed to teach you the proper and safe use of all power woodworking machinery. This knowledge will be used to complete a required project. It is recommended that this course be paired with Introduction to CADD. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6430 MATERIALS PRODUCTION 2 (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #3,5**

This course provides you with exposure in the manufacturing processes used in industry. Of major importance will be the manufacturing process, design, industrial materials and the proper and safe operation of all power woodworking machinery. It is recommended that this course be paired with Computer-Aided Drafting and Design (CADD). You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6421 MATERIALS PRODUCTION 3: CONSTRUCTION TECHNOLOGIES (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #3,5**

You will develop a basic understanding of the design and behavior of structures. Through laboratory activities, you will learn how structures are designed, why certain materials are used, how structures withstand loads, and the impacts of structures on societal, biological, and technological systems. It is recommended that this course be paired with Architectural CADD. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**5650 STEAM SYSTEMS (s)****Grades 10-12****Course meets 3/6 days per cycle****Credit: 0.25**

Throughout this course, you will develop a basic understanding of engineering and technological resources. You will investigate how principles from the core courses are used to solve problems. Among the topics covered will be: infrastructure, electricity, bio-related systems and robotics. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts and Math) fields, as well as other related fields of study.

**6435 ROBOTICS 1 (s)****Grades 9 - 12****Credit: 0.50****Career Cluster #3,5**

Automation and Control – You will learn the principles of automation and control of mechanical systems. You will learn the fundamentals of coding and remote control as they pertain to the operation of Remote Operated Vehicles (ROV). You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6436 ROBOTICS 2 (s)****Grades 10 - 12****Credit: 0.50****Career Cluster #3,5**

(Recommend Robotics 1)

Mechatronics – The Principles of Mechanics, Electronics, and Computing. You will experience how mechanical systems, electronics and computer

control systems interact. You will learn manual control techniques as well as how coding can be used to control electromechanical devices. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6440 CADD 1: INTRODUCTION TO CADD (s)****Grades 9 - 12****Credit: 0.50****Career Cluster #3,5**

This course is appropriate for you if you desire to increase your technical knowledge beyond word processing and spreadsheet software. This is a project-based course which provides you with a broad introduction to 2D and 3D Computer Aided Design and Modeling. It is recommended that this course be paired with Materials Production 1.

**6442 COMPUTER-AIDED DRAFTING AND DESIGN - CADD****Grades 10 - 12****Credit: 1.00****Career Cluster #3,5**

This course is appropriate for you if you desire to increase your technical knowledge through the use of computers. The course will involve an in-depth study of the following: orthographic projections, sections, auxiliary drawings, pictorials and developments. Work is performed on a PC running a variety of CADD software. This course is highly recommended if you are considering a career in engineering and other STEAM disciplines. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6445 ARCHITECTURAL DESIGN TECHNOLOGY****Grades 10 - 12****Credit: 1.00****Career Cluster #3,5**

You will design and create the necessary drawings for residential construction, including a floor plan, basement plan, wall section, elevations, stair detail, fireplace detail, plot plan, and a pictorial rendering. Work is performed on a PC running CADD software. Also, with time permitting, you will build an architectural model of your individual design. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

**6446 ADVANCED COMPUTER-AIDED DRAFTING****Grades 10 - 12****Credit: 1.00****Career Cluster #3,5**

This is an advanced computer course dealing with technical problem solving in mechanical drawing. Additional types of drawings will be included such as working drawings, structural drawings, and schematic drawings. You will also explore potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields, as well as other related fields of study.

## World Language

The World Language curriculum is a college-preparatory and honors-level program designed to prepare you for life in a global society. Oral proficiency is stressed along with listening, reading, and writing skills. The study of culture, in an effort to promote understanding, is also an integral part of each course and is introduced through readings, recordings, and a video component.

\* Unless otherwise specified, all courses meet 6/6 days per cycle

**6011 FRENCH 1 - CP (NCAA)****Grades 9 - 12****Credit: 1.00****Career Cluster #1,2,3,4,5**

French 1 is a College-Preparatory course that familiarizes you with the

French sound system, basic grammar, basic vocabulary and introduces French culture. There is an emphasis on participation to promote speaking skills. Written work includes homework, dialogues, and brief paragraphs. It is strongly recommended that you take this course only if you are enrolled in a College-Preparatory or Honors English course.

**6012 FRENCH 2 - CP (NCAA)**

**Grades 9 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of French 1)*

French 2 is a College-Preparatory course that reinforces the study of the French sound system and continues the study of basic grammar, vocabulary and French culture. Listening, speaking, reading and writing abilities are developed. It is strongly recommended that you take this course only if you are enrolled in a College-Preparatory or Honors English course.

**6013 FRENCH 3 - H (NCAA)**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of French 1 and 2)*

French 3-H continues the study of basic grammar and increases your vocabulary range. The study of French culture is also continued. More emphasis is placed on speaking to develop proficiency. French literature is introduced. This course is conducted primarily in French, and you are expected to participate in French.

**6014 FRENCH 4 - H (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of French 3-H)*

French 4-H completes the study of basic grammar. Speaking, reading, listening and writing skills are further developed through spontaneous and prepared talks. French literature is read and discussed. The study of French culture continues. This course is conducted primarily in French, and you are expected to participate in French.

**6015 FRENCH 5 - H (NCAA)**

**Grades 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of French 4-H)*

French 5 Honors approximates the intensive listening, speaking, reading and writing atmosphere of a third year, college-level course. This course is conducted mainly in French, and you are expected to participate fully in developing your speaking and listening skills. French Literature, history, advanced grammar and culture will be further studied. Additionally, contemporary and classic French films will be examined.

**6025 GERMAN 5 - H (NCAA)**

**Grade 12**

**Credit: 1.00**

**Career Cluster 1,2,3,4,5**

*(Recommend: Successful completion of German 4-H)*

German 5 Honors approximates the intensive listening, speaking, reading and writing atmosphere of a third-year, college-level course. These skills are given special attention through a sampling of German literature, and grammar review. Contemporary German films are viewed and discussed. This course is conducted primarily in German, and you are expected to participate.

**6031 SPANISH 1 - CP (NCAA)**

**Grades 9 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

Spanish 1 is a College-Preparatory course that familiarizes you with the Spanish sound system, basic grammar, basic vocabulary and introduces the culture of Spanish-speaking countries. Speaking of Spanish is necessary in order to develop proficiency. Written work includes homework, dialogues, and brief paragraphs. It is strongly recommended that you take this course only if you are enrolled in a College-Preparatory or Honors English course.

**6032 SPANISH 2 - CP (NCAA)**

**Grades 9 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of Spanish 1)*

Spanish 2 is a College-Preparatory course that reinforces the study of the Spanish sound system and continues the study of basic grammar, vocabulary and Hispanic culture. Understanding, reading and writing abilities as well as speaking proficiency are developed. Speaking of Spanish continues to be emphasized. It is recommended that you take this course only if you are enrolled in a College-Preparatory or Honors English course.

**6033 SPANISH 3 - H (NCAA)**

**Grades 10 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of Spanish 1 and 2)*

Spanish 3-H continues the study of basic grammar and increases your vocabulary range. More emphasis is placed on creative self-expression and proficiency, both speaking and written. The study of Hispanic history and culture is continued, and there are also various written and speaking projects assigned. This course is conducted primarily in Spanish, and you are expected to participate in Spanish.

**6034 SPANISH 4 - H (NCAA)**

**Grades 11 - 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of Spanish 3-H)*

You will build on the information and skills learned in levels 1 through 3-H. Speaking proficiency is developed through class discussions. Writing ability is developed through composition and essay writing. Basic grammar is reviewed, and finer points of grammar are studied in order to develop writing proficiency. This course is conducted primarily in Spanish, and you are expected to participate in Spanish.

**6035 SPANISH 5 - H (NCAA)**

**Grade 12**

**Credit: 1.00**

**Career Cluster #1,2,3,4,5**

*(Recommend: Successful completion of Spanish 4-H)*

Spanish 5 Honors approximates the intensive listening, speaking, reading and writing atmosphere of a third-year, college-level course. Special attention is given to these skills through a series of lectures, short stories, plays and essays. There is also a varied study of Hispanic culture. The class is conducted primarily in Spanish, and you are expected to participate in Spanish.

## Monroe Career & Technical Institute

570-629-2001

[www.monroecti.org](http://www.monroecti.org)

The Monroe Career & Technical Institute (MCTI) offers you a wide range of educational opportunities in careers and technical areas, a student/teacher ratio of approximately 20 to 1, many partnerships with local business and

industry, and a qualified and caring staff.

Registration - All present eighth/ninth-grade students who wish to attend the Monroe Career & Technical Institute must complete an MCTI application. Applications are available in the Guidance Office for all interested students. You and your parent(s)/guardian(s) may refer to the information below for a brief description of each of the program areas available to you or refer to the MCTI website at [www.monroecti.org](http://www.monroecti.org).

If you are a high school student accepted to attend Monroe Career & Technical Institute, you will spend two and one-half hours per day at MCTI for the entire school year. The remainder of the school day, a minimum of four periods, will be spent at the high school. Successful completion of a career-technical program earns you up to 4.0 credits per year. Additional courses taken fulfill both the required course and credit requirements necessary for graduation. Before the start of the tenth grade, you must have completed courses in ninth-grade English, math, social studies, science and physical education in order to attend MCTI as a sophomore. If you expect to graduate on time and complete a three-year program at the MCTI, it is recommended that you have completed 6.0 credits in 9th grade.

If you are a ninth-grade student accepted to attend the Monroe Career & Technical Institute, you will attend as a full-day student in your comprehensive program. This program includes your program area as well as your core classes to include: mathematics, social studies, science and English. It is a full-day program, and you will earn up to 8 credits for the full day. Current Sophomores and Juniors may also apply for any one of the programs at MCTI. See your high school counselor for an application.

Additional Information:

Your transportation to and from the MCTI will be handled by the school district.

You will be able to participate in both the breakfast and lunch programs while at the MCTI.

The number of program openings which are determined on a program-to-program basis may have limited seats available due to a high demand from all attending Monroe County schools.

All programs consists of a list of PDE required tasks and additional local or value added tasks.

## Construction

**8027A/8027P**  
**CARPENTRY**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

The Carpentry Program is an instructional program that prepares you to apply technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques. The program is designed to provide you with a combination of classroom theory and hands-on building experience in residential, commercial, and industrial construction trades.

**8207A/8207P**  
**ELECTRICAL TECHNOLOGY**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

The Electrical Technology Program is an instructional program that prepares you to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and

electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program. You are also given the opportunity to pursue advanced training in motor control circuits and power technology applications. You are also afforded the opportunity to study home automation by using the Smart Home Technology. You receive practical experience by completing many projects.

**8032A/8032P**  
**HEATING, VENTILATION AND AIR CONDITIONING**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

The Heating, Ventilation & Air Conditioning (HVAC) Program is an instructional program that combines classroom and practical learning experiences. This Program prepares you to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems. Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric/electronic and pneumatic control systems. This Program is certified by the National Center for Construction Education and Research.

**8030A/8030P**  
**MASONRY**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

The Masonry Program is an instructional program that prepares you to apply technical knowledge and skills in the laying and/or setting of brick, concrete block, glass block, hard tile, marble and related materials using trowels, levels, hammers, chisels and other hand tools. The masonry curriculum combines classroom and practical learning experience including hands-on projects.

**8033A/8033P**  
**PLUMBING**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

Plumbing is an instructional program that prepares you to practice as licensed plumbers by applying technical knowledge, safety and skills to lay out, assemble, install and maintain plumbing fixtures and systems for steam, natural gas, oil, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems in home and business environments. The Program includes instruction in source determination, water distribution, waste removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, brazing and soldering, plumbing inspection and applicable codes and standards.

The Program combines classroom and practical learning experiences. You will also become involved with many community service projects related to your program of study. This Program is certified by the National Center for Construction Education and Research.

# Health Science & Human Services

## 8085A/8085P COSMETOLOGY

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #4**

The Cosmetology Program is an instructional program that prepares you to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care of the hair, skin and nails. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, coloring, tinting and lightening; permanent waving; facials; manicuring; and hand and arm massaging. The program also includes instruction in bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations. Instruction is designed to qualify you for the licensing examination upon successfully completing 1,250 hours of instruction.

## 8502A/8502P CULINARY ARTS

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #4**

The Culinary Arts Program is an instructional program that prepares you for employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction of skills is provided if you desire to become employed in all areas of the food service industry at entry level. The Program is certified by the American Culinary Federation.

## 8385A/8385P HEALTH PROFESSIONS

**Grades 10 - 12**  
**Credit: 4.00**  
**Career Cluster #4,5**

The Health Professions Program is designed to prepare you to apply knowledge and skills in the health occupations. Instruction is provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, pharmaceutical and medical instruments and supplies. Instruction includes, but is not limited to, foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupational skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for you to successfully reach your career objectives. Leadership is an integral part of the entire program through participation in HOSA (Health Science Technology Student Organization). A mandatory clinical assignment is integrated into the curriculum. Seniors will take the Nurse Aid course and certification test.

## 8505A/8505P HOTEL, RESORT, & TOURISM MANAGEMENT

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #2,4**

The Hotel, Resort, and Tourism Management Program (HTMP) is an instructional program that prepares you to perform marketing and management functions in operational responsibilities associated with a wide variety of careers within the hospitality and tourism industry. You will be instructed in the areas of personal development, communications, leadership, guest services, sales, financial processes, front office operations, housekeeping, food and beverage service, facilities

management, property safety/security, resort management and other occupational preparation activities that will develop you in the necessary competencies for employment in the hotel/motel industry.

The Program has been designed by the American Hotel & Lodging Association – Educational Institute with active industry involvement and approval. Through HTMP, partnerships are established with local hotels to provide student internships, field trips, and job shadowing.

## 8404A APPLIED HORTICULTURE (Floriculture)

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #4,5**

## 8405P HORTICULTURE OPERATIONS (Landscaping)

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #4,5**

The Horticulture Program is an instructional program having a combination of organized subject matter and practical experiences that generally prepares you to produce, process, and market plants, shrubs and trees used principally for ornamental, recreational, and aesthetic purposes and to establish, maintain and manage horticultural enterprises. Instruction emphasizes knowledge, understanding and application important to establishing, maintaining and managing horticultural enterprises such as arboriculture, floriculture, greenhouse operation and management landscaping, nursery operation and management and turf management.

## 8512A/8512P CRIMINAL JUSTICE

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #4**

The Criminal Justice Program is an instructional program that prepares you to apply technical knowledge and skills that relate to performing entry-level duties as a patrolman, corrections officer, juvenile officer, security officer and probation officer. The course stresses patrol and related duties such as traffic and crowd control, the American legal system, techniques used in the police laboratory and training in emergency and disaster situations. Also stressed is physical development with a strong emphasis on self-defense and the building of self-confidence. Investigatory techniques such as interviewing and evidence gathering, report writing, a study of juvenile law and procedure, the techniques of crime prevention, the criminal process from arrest through conviction and procedural matters affecting law enforcement such as arrest, search and seizure and legal principles developed in information lessons are utilized in supervised simulated situations.

## 8800A/8800P MARKETING

**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #2,4**

The Marketing Program is an instructional program that provides instruction in the fields of sales, distribution and marketing operations and focuses on the process and techniques of direct wholesale and retail buying and selling operations. This Program is concerned with marketing, sales, distribution, merchandising and management including ownership and management of enterprises engaged in marketing. Marketing education programs prepare you to perform one or more marketing functions such as selling, pricing, promotion, product/service management, distribution, financing and marketing information management. In addition, instructional programs include varying emphasis on technical knowledge of products and/or services marketed; related communication, economic, technological and computation skills; and abilities and attitudes associated with human relations. The Program may also include management functions associated with owning and operating a business. Sales, distribution and marketing operations prepare you for occupations in such businesses as retail and wholesale trade, finance, insurance, real estate, entertainment, hospitality, food service, communications, storage and distribution. This program does not include warehousing/logistics functions.

## Information Technology

**8218A/8218P**      **COMPUTER NETWORKING and SECURITY**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #2,4**

The Computer Networking and Security Program is an instructional program that focuses on the design, implementation and management of linked systems of computers, peripherals and associated software and prepares you with the technical skills required to support networks and network users. This program includes instruction in network technologies and standards: system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, trouble-shooting and server optimization. Upon completion of the program, you may be employed as a network administrator, network specialist, network technician, webmaster, client services analyst (end user) or network operator. The core content of this course is focused on nationally recognized certifications. Computer Networking and Security is a college-prep program. Upon completion of the program, you may be eligible to obtain up to 30 credits advanced standing at a post-secondary institution based on your career track.

**8062A/8062P**      **GRAPHIC COMMUNICATIONS**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #1,4**

Graphic Communications is an instructional program that generally prepares you to apply technical knowledge and skills to plan, prepare and execute commercial and industrial visual image and print products using mechanical, electronic and digital graphic and printing equipment. You learn desktop publishing, layout, composition, presswork and bindery as well as photography, and several graphic arts techniques. Emphasis is on typographical layout and design using computer graphics, photo typesetting, platemaking, offset preparation and operation, paper cutting, ink and color preparation and dynamics and airbrush and screen printing production.

Concentration in the area of graphic arts will permit you to work in computer design, digital prepress, press work, sign making/vehicle graphics, screen printing, sandblasting, and more. In addition, you will be instructed in various finishing operations.

**8801A/8801P**      **MANAGEMENT INFORMATION SYSTEMS, GENERAL**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #1,4**

Management Information Systems, General, is an instructional program that prepares you to apply technical knowledge and skills to support the design and development of software applications, manage data systems and related mathematical statistics for analysis and forecasting of business data, process and retrieve business information, and prepare and interpret process and data models.

You will create a relational database, receive instruction in a variety of computer programming languages including writing, testing and debugging code; writing related system user documentation; demonstrating an understanding of core computer concepts to include the internet and the basic functions of business desktop applications; and analyzing common hardware, software and network processes. You will receive instruction in business ethics and law, economics, office procedures and communications. You will learn office safety, computer fundamentals, database administration and computer maintenance/troubleshooting.

## Manufacturing Programs

**8042A/8042P**      **DRAFTING TECHNOLOGY**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

Drafting and Design is an instructional program that generally prepares you to apply technical knowledge and skills as each relates to gathering and translating of data or specifications including basic aspects of planning, preparing and interpreting mechanical, architectural, chemical, structural, civil, electrical/electronic, topographical and other drawings and sketches used in various engineering fields. Instruction is designed to provide experiences in drawing and CAD; the use of reproduction materials, equipment and processes; the preparation of reports and data sheets for writing specifications; the development of plan and process charts indicating dimensions, tolerances, fasteners, joint requirements and other engineering data; the development of models; and drafting multiple-view assembly and sub-assembly drawings as required for manufacture, construction and repair of mechanisms. Upon successful completion of the program, you will have the opportunity to work as entry-level CAD-Technicians with mechanical, architectural, and civil drafting professionals. You may also work in many related careers such as surveying, construction estimating, and specification writing.

**8208A/8208P**      **ELECTRONICS**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #1,3**

Electronics Technology is an instructional program that prepares you to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Emphasis is on passive components and solid-state devices; digital circuits; optoelectronic devices; operational amplifiers; audio and RF amplifiers; oscillators; power supplies; and AM, FM and PCM modulators. Knowledge is acquired through theoretical instruction, experimentation and hands-on activities. Instruction will develop basic levels of knowledge, understanding and associated skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations. Through collaborative curriculum planning with colleges and trade schools, participants in this program are eligible to obtain up to 12 credits advanced standing in a post-secondary program. This Program participates in the Electronics Technicians Association and International Student Certification Program.

**8071A/8071P**      **PRECISION MACHINING**  
**Grades 9 - 12**  
**Credit: 4.00**  
**Career Cluster #3**

The Precision Machining Program is an instructional program designed to give you technical knowledge and skills in all aspects of shaping metal parts for industrial application. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, milling machines, grinders, drill presses, and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares you to operate all types of hand and computer-controlled machines.

The Program provides both practical skills and related theory in machine tool operation, CAD drawings along with the technical mathematics, science, and communication skills essential to a career in manufacturing. The Program is certified by the National Institute for Metalworking Skills, Inc.(NIMS), and you can receive credentials from NIMS.

**8075A/8075P****WELDING TECHNOLOGY****Grades 9 - 12****Credit: 4.00****Career Cluster #3**

The Welding Technology Program is an instructional program that prepares you to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic and automatic welding processes are also included in the instruction. You learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders; positioning and clamping; and welding standards established by the American Welding Society (AWS), American Society of Mechanical Engineers and American Bureau of Ships. The Program is certified by the American Welding Society.

## Transportation Programs

**8008A/8008P****AUTO COLLISION AND REPAIR****Grades 9 - 12****Credit: 4.00****Career Cluster #3**

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

**8009A/8009P****AUTOMOTIVE TECHNOLOGY****Grades 9 - 12****Credit: 4.00****Career Cluster #3**

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

This Program is certified by the National Automotive Technicians Education Foundation (NATEF) and is designed for you if you would like to work in the automotive service industry. Automotive technicians need knowledge of electronics, emission control, electricity, mechanics, and hydraulics. The need for skilled technicians is rapidly increasing. Expanded use of electronics, new government requirements on safety and pollution control, and more extensive warranties on new vehicles require the work of highly skilled technicians and diagnosticians.

**8067A/8067P****OUTDOOR POWER EQUIPMENT TECHNOLOGIES****Grades 9 - 12****Credit: 4.00****Career Cluster #3**

The Power Equipment Technologies Program is an instructional program that prepares you to apply technical knowledge and skills to repair, service, maintain and diagnose problems on a variety of small internal-combustion gasoline engines and related systems used on portable power equipment such as lawn and garden equipment, chain saws, outboard motors, rotillers, snowmobiles, lawn mowers, motorcycles, personal watercraft and pumps and generators. This

Program includes instruction in the principles of the internal-combustion engine and all systems related to the powered unit. Instruction also includes the use of technical and service manuals, state inspection code, care and use of tools and test equipment, engine tune-up/maintenance, engine overhaul, troubleshooting and diagnostic techniques, drive lines and propulsion systems, electrical and electronic systems, suspension and steering systems and service operations and parts management.

**8041A/8041P****DIESEL TECHNOLOGY****Grades 9 - 12****Credit: 4.00****Career Cluster #3**

The Diesel Technology Program is designed to prepare you to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. This Program includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, HVAC systems, and auxiliary equipment installation and repair.

The Diesel Technology Program includes safety, theory, and general practice. Diesel technicians must like to work with machines and be able to use both hand and power tools. This Program is certified by the National Automotive Technicians Education Foundation (NATEF).

**MATHEMATICS**

Specialized courses are offered to meet your unique requirements. These include Medical Math and Elementary Statistics for students in the Allied Health program.

**School-to-Work Programs:**

These guidelines apply to Capstone Cooperative Education and Diversified Occupations. Please read these carefully before enrolling in either course of study.

**Rules and Regulations**

\* It is your responsibility to obtain the signatures of all parties involved on the training agreement. The training agreement must be returned to the Diversified Occupations instructor. The date the Diversified Occupations instructor signs the training agreement will be considered your employment start date.



\* You are required to attend all regularly scheduled Diversified Occupations classes where you will receive instruction on general related theory. Missing class and reporting to work is not acceptable and will affect your grade.

\* If there is a temporary layoff or suspension of work, you will report back to the Diversified Occupations instructor immediately.

\* You will report any absence from work caused by sickness or other legal excuses promptly to your employer.

\* You will submit a written excuse signed by your parent(s)/guardian(s) for any days absent from school and work within three (3) days of your return to school.

\* You will operate your vehicle in a safe and legal manner to and from the job. At no time should other students be riding in your vehicle without prior approval.

\* You may not change training stations without prior approval from the Diversified Occupations instructor.

\* You may not terminate your employment without the advanced approval of the Diversified Occupations instructor.

\* You must be dressed appropriately for your job. This includes safety equipment!

\* You must have employment to be part of the Diversified Occupations Program.

Note: Failure to comply with the rules and regulations of the vocational school or the home school could result in your termination in the Diversified Occupations Program.

### **8900C CAPSTONE COOPERATIVE EDUCATION** **Grade 12** **Credit: 4.00**

Cooperative education (Co-op) is a method of instruction that effectively brings about what is best for you. The use of the work environment is a plan of education that enables you to gain practical experience in your chosen career track. You are accredited for becoming employed, typically a half day, within your trade area.



Pennsylvania continues to be a leader in this effort through cooperative education. Cooperative education has been a part of both the secondary and post-secondary school programs in Pennsylvania for more than 50 years, having its genesis around the turn of the century.

### **8606 DIVERSIFIED OCCUPATIONS (Stroudsburg High School Program Option)**

The Diversified Occupations Program (DO) is an instructional program that operates as an integral part of a career and technical education to provide a cooperative arrangement between the school and employers whereby you receive general education instruction in the school and on-the-job training through part-time employment in business/industry. The area of training may be in any technical education area where there are needs for skilled persons.

The DO Program is a partnership between MCTI, the sending district,

the student and the student's parents, and the employer. This program is designed to help you transition from school to the world of work while gaining valuable life and work experience. You are responsible for finding part-time employment with a local employer. You will take this class and be awarded elective credit based on the time in your work area.

## **8th Grade Curricular Offerings**

### **ACADEMIC AREAS**

You will receive instruction in the five core academic areas of Reading, Language Arts, Social Studies, Science and Mathematics. If you are eligible, you may begin your study of World Languages in lieu of Reading. You are evaluated and placed homogeneously in the Advanced and Workshop Programs based on multiple criteria. The advanced courses cover the basic curriculum but with higher expectations and greater demands; they include enrichment activities and assignments which are covered in more depth that accelerate the pace of the course. The Workshop Program is designed as an alternate approach to meet academic standards in order to meet success in your curricular offerings. These courses provide you with guidance and assistance as needed, encouraging you to assume increasing responsibility for managing your own learning.

Based on the scores on the state reading and math assessment (PSSA), you may be assigned to Reading/Writing Edge, or the Math class that will best meet your academic needs. These courses may be required instead of study hall, and/or in some cases, Band, Orchestra or Chorus.

### **LANGUAGE ARTS**

#### **Advanced Language Arts - 9180**

Advanced Language Arts is a rigorous course of study. You must complete the core requirements of the eighth-grade curriculum. You will study a variety of short stories, a play, and a novel. You will also demonstrate your writing skills in the following genres: descriptive, expository, narrative and persuasive. You must also complete additional assignments geared toward developing and enhancing higher-level, critical-thinking skills. These assignments require strenuous attention to detail in areas such as analysis, interpretation, and evaluation of literature as well as of their own writing. An extensive research paper is mandatory. For placement in Advanced Language Arts, it is recommended that you scored Advanced in Reading on the PSSAs in 6th grade, 7th grade or on a 7th grade CDT. Academic and classroom performance will also be reviewed and considered.

#### **Language Arts - 9181**

Language Arts is an integrated program which incorporates the skills of reading, writing, speaking, listening, thinking and technology using a variety of materials, media and methodologies. You will study a variety of short stories, poems, a play and a novel. Writing abilities will be reinforced through the following genres: descriptive, expository, narrative and persuasive. Specific conventions and mechanics will be used to enhance the overall understanding of this integrated approach.

#### **Language Arts Workshop - 9182**

This Language Arts Workshop emphasizes the integration of reading and writing. You will write in response to a variety of reading assignments, including short stories, at least one novel, and drama. The reading and writing process will be highlighted within the context of each assignment. Vocabulary, spelling, and language usage and mechanics will be integrated into instruction. You will be enrolled in Reading/Writing Edge B in conjunction with this course. Your placement in Language Arts Workshop and Reading/Writing Edge B (9684) will be based on PSSA scores and the CDT's. Eligibility is determined through a recommendation by the reading specialists, school counselors and administration.

## SOCIAL STUDIES

### **Advanced Civics, Government, and 18th Century History - 9280**

#### **Grade 8**

This course provides a study of history (American and world) during the 18th century, as well as a one quarter seminar which focuses on the PA State and Core Standards that govern Civics and Government at the state and local levels. The history portion of the course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 18th century that have helped to shape our nation and world into the places they are today. The foundations of research methodologies, the use of technology tools to facilitate that research, and the products that reflect that research will be emphasized. The eighth-grade curriculum requires advanced study and above average expectations. You are expected to demonstrate critical-thinking and problem-solving skills, as well as developmental public speaking abilities. An emphasis is placed on research and the writing process. For placement in Advanced Civics, Government, and 18th Century History, it is recommended that you have scored Advanced in Reading on the PSSAs in 6th grade, 7th grade or on a 7th grade CDT. Academic and classroom performance will also be reviewed and considered.

### **Civics, Government, and 18th Century History - 9281**

#### **Grade 8**

This course provides a study of history (American and world) during the 18th century, as well as a one quarter seminar which focuses on the PA State and Core Standards that govern Civics and Government at the state and local levels. The history portion of the course will focus on fulfilling the PA State and Core History, Economics and Geography Standards through a study of the major events, concepts and thought patterns of the 18th century that have helped to shape our nation and world into the places they are today. The root elements of research methodologies, the use of technology tools to facilitate that research, and the products that reflect that research will be emphasized.

The eighth-grade curriculum requires basic study and developmental expectations. You are expected to demonstrate developmental critical-thinking and problem-solving skills, as well as preliminary public speaking abilities. Basic skills for research and the writing process will be developed.

## SCIENCE

### **Advanced Earth and Space Science - 9380**

This course is a general survey of earth and space sciences with topics covered in greater depth than the basic curriculum. Meteorology topics include variables of weather, severe weather and weather maps. Geology topics include characteristics of rocks and minerals, development of plate tectonics theory, earthquakes and volcanoes. The curriculum also focuses on oceans and shorelines, surface and ground water systems, the earth and moon as a system, as well as comparative planetary astronomy. Hands-on activities, student research, critical-thinking skills, graphing, and mapping are included. This course requires a greater proficiency in math and writing skills than the basic curriculum. For placement in Advanced Science it is recommended that you have scored Advanced in Math and Advanced in Reading on the PSSAs in 6th grade, 7th grade or on a 7th grade CDT exam. Academic and classroom performance will also be reviewed and considered.

### **Earth and Space Science - 9381**

This course is a general survey of earth and space sciences. Meteorology topics include variables of weather, severe weather and weather maps. Geology topics include characteristics of rocks and minerals, development of plate tectonics theory, earthquakes and volcanoes. The curriculum also focuses on oceans and shorelines, surface and ground water systems, the earth and moon as a system, as well as comparative planetary astronomy. Hands-on activities and student research are included.



## MATHEMATICS

### **Geometry H - 3210**

*(Prerequisite: 7th Grade Algebra 1)*

This course is an introduction to Geometry with an emphasis on definitions, theorems, and postulates dealing with lines and planes. Proofs written in various styles, congruence and similarity of figures, basic triangle trigonometry, geometric equalities and inequalities, simple logic, constructions of geometric figures, and measurement of segments, angles, area, and volume are emphasized. Concepts of vectors, dilations, and transformational geometry will also be studied. Computer software will be used at appropriate places in this course of study and a scientific calculator is highly recommended. A unit of high school credit is earned for successful completion of Geometry H in eighth grade. This course grade will appear on your high school transcript and will be included in your GPA, cumulative GPA and class rank.

### **Geometry CP - 3320**

*(Prerequisite: 7th Grade Algebra 1)*

This course is an introduction to geometry with an emphasis on definitions, theorems, and postulates dealing with lines and planes. Proofs written in various styles, congruence and similarity of figures, basic triangle trigonometry, geometric equalities and inequalities, simple logic, constructions of geometric figures, and measurement of segments, angles, area, and volume are emphasized. Computer software will be used in appropriate places in this course of study, and a scientific calculator is highly recommended. A unit of high school credit is earned for successful completion of Geometry CP in eighth grade. This course grade will appear on your high school transcript and will be included in your GPA, cumulative GPA and class rank.

### **Algebra 1 CP – 9580 (NCAA)**

*(All students taking this course will take the Algebra 1 Keystone Exam in the Spring.)*

This course is designed as a rigorous introduction to Algebra skills and concepts. Candidates for this course must possess excellent Pre-Algebra skills including rational number skill, distributive property, combining like





terms, solving multi-step equations and inequalities including variables on both sides, basic concept of slope, and graphing a line given an equation in slope intercept form. The emphasis of the course is on working with linear and quadratic expressions, factoring polynomials, solving simple quadratic equations, graphing linear equations and systems of simultaneous equations, writing equations given applied descriptions or graphs, and writing equations given applied descriptions, graphs, or two points. Related skills and concept development will be integrated throughout the course. Calculators and computer software will be used at appropriate places in this course of study. A unit of high school credit is earned for successful completion of Algebra 1 in eighth grade. This course grade will appear on your high school transcript and will be included in your GPA, cumulative GPA and class rank.

For placement in Algebra 1, it is recommended that you have a teacher recommendation and an Advanced score on the PSSAs. A score of 84% on the end of the year final Algebra Readiness Assessment is also strongly recommended.

#### **Pre-Algebra 6/6 - 9581**

#### **Pre-Algebra 9/6 - 9583**

This course is designed to provide smooth transition from elementary arithmetic skills and concepts to Algebra 1 in a single year. While you strengthen your arithmetic skills, the focus of the course will be on solving linear equations involving rational numbers through an algebraic approach. You will also solve problems involving applications of these skills. Calculators and computer software will be used at appropriate places in this course of study.

Pre-Algebra 6/6 is recommended if you have reached proficiency or above on your PSSAs. This course is recommended if you are not eligible for Algebra 1 and need to refine and improve your pre-algebra skills.

Pre-Algebra 9/6 is recommended if you have scored Basic or Proficient on your PSSAs. You will require more time in pre-algebra class in order to acquire the skills necessary to move on to Algebra 1. This class will meet everyday in a six-day cycle, but as a double period three days per the six-day cycle.

Pre-Algebra 9/6 is recommended if you have not reached proficiency on your PSSAs. You will require more time in pre-algebra in order to acquire the skills necessary to move on to Algebra 1 or Algebra 1A. This class will meet everyday in a six-day cycle but as a double period three days per the six-day cycle.

## **READING**

### **Advanced Reading (8) - 9680**

### **Reading (8) - 9681**

### **Reading Workshop (8) - 9682**

This reading course is for you if you need world-class reading skills. The eighth-grade reading course is designed to develop independent, strategic readers who are capable of engaging in a variety of literacy tasks. Instruction will target comprehension strategies. Because of the demands on reading skills of Middle/Junior High students, strategies for reading content material will be developed. The comprehension strategies will be applied to content area materials. Reading selections will be leveled to match your achievement level. To help you self-assess your reading performances, you will learn to use checklists based on the academic standards and the Pennsylvania Reading Rubric. This course will also encourage you to read more. The Standards set the goal for you to read 25 books per year. This course will encourage you to read 25 books. This course will be offered to you unless you are beginning your study of World Languages in eighth grade. For placement in Advanced Reading, it is recommended that you have scored Advanced in Reading on the PSSAs in 6th grade, 7th grade or on a 7th grade CDT. Academic and classroom performance will also be considered. For placement in Reading Workshop, you must have scored Basic/Below Basic on the PSSAs in 6th grade, 7th grade or on a 7th grade CDT exam. Grades, teacher or school counselor recommendation will also be considered.

### **Reading/Writing Edge A (8) - 9683**

### **Reading/Writing Edge B (8) - 9684**

This program is designed for you if you have been identified as needing additional instruction with reading and/or writing. You will be assigned to Reading/Writing Edge 8 based on your scores on the state reading or writing assessment. If you are a new student to the district, placement will be determined by the PSSA or assessment scores from the previous school. If you do not have a state assessment score, a pre-test will be given to determine eligibility. You will be placed in Reading/Writing Edge 9683 or 9684 depending on the degree of support needed.

This course will be required instead of study hall or in some cases Band, Orchestra, or Chorus. The major purpose of the course is to give you an edge in your reading and writing performance to help you meet Pennsylvania Academic Standards in reading and writing. You will also learn strategies to improve your academic performance in all subject areas. A standardized test will be given during the course to check your progress. The program is designed to meet your individual needs and does not count as the original eighth grade Reading or Language Arts credit. This course is offered three days out of a six-day cycle throughout the school year.

## **WORLD LANGUAGES**

A World Language class will be available to current 8th graders who meet the following requirements:

- \* An eighth-grade World Language Application must be completed.
  - \* Advanced grade average (Quarters 1 through 3) in 7th Grade Reading (90% average grade or higher)
  - \* Advanced grade average (Quarters 1 through 3) in 7th Grade Language Arts (90% average grade or higher)
  - \* Advanced Performance shown on Reading Assessments (Advanced on 6th Grade PSSA Reading. If you scored Proficient on the 6th grade PSSA, you may still be eligible if you scored at the Advanced level on one or more of the CDT Reading assessments during the 7th grade year.)
- Parents may appeal the decision if you scored Advanced on the 7th grade PSSA Reading.

By beginning the World Language program in eighth grade, you will have the opportunity to complete the five-year World Language Program while at Stroudsburg High School. If you are not eligible for the eighth-grade World Language Program, a language class becomes available as an elective to

you when you enter the ninth grade. It is essential to understand that this program is a college-preparatory and honors-level class, and if taken, you will have the opportunity to complete four (4) years of a World Language at Stroudsburg High School.

### **French 1 CP – 6011 (NCAA)**

French 1 is a college-preparatory course that familiarizes you with the French sound system, basic grammar, basic vocabulary and introduces French culture. There is an emphasis on participation to promote speaking proficiency. In order to be considered for this program, an eighth-grade World Language Application must be completed. A unit of high school credit is earned if you pass World Language in your eighth-grade year. The course and final grade will appear on your high school transcript and will be included in your GPA, cumulative GPA and class rank.

### **Spanish 1 CP – 6031 (NCAA)**

Spanish 1 is a college-preparatory course that familiarizes you with the Spanish sound system, basic grammar, basic vocabulary and introduces Hispanic culture. Speaking of Spanish is necessary in order to develop proficiency. In order to be considered for this program, an eighth-grade World Language Application must be completed. A unit of high school credit is earned if you pass World Language in your eighth-grade year. The course and final grade will appear on your high school transcript and will be included in your GPA, cumulative GPA and class rank.

## **PHYSICAL EDUCATION/HEALTH/CAREERS/COMPUTER SKILLS ROTATION**

*(These courses meet three days per six-day cycle for one semester)*

### **Physical Education - 9780**

This course includes a comprehensive program of team sports, lifetime activities, and fitness exercises with an emphasis on personal fitness and growth. Physical education is taught in an atmosphere which provides the opportunity to grow physically, emotionally and socially in a supportive and cooperative environment. Fitness tests are mandatory each year.

### **Career Awareness - 9781**

This course, a component of the District's career development graduation project, provides opportunities for you to gather information about career choices in which you are interested. Career decisions are significant decisions which should not be entered into haphazardly. You will develop a career plan of your choice which will in turn aid you in selecting your four year program sequence in grades nine through twelve.

### **Health – 9782**

This course provides a basic knowledge of health and wellness leading to the development of skills, attitudes, and behaviors conducive to mental, physical, emotional and social well-being. Health education promotes the practice related to the development of a healthy lifestyle. This course must be taken in grade 8 and includes the following health content areas: mental and emotional health, nutrition, alcohol, tobacco and other drugs, and communicable and chronic diseases.

### **Computer Skills – 9783**

This course begins with a review of keyboarding skills and techniques. You will extend your introductory skills learned in seventh grade in word processing, spreadsheet, presentation and desktop publishing concepts.

## **SCIENCE, TECHNOLOGY, ENGINEERING, ARTS AND MATH (STEAM)**

*You will explore the potential careers in the STEAM (Science, Technology, Engineering, Arts, and Math) fields as well as other related fields of study.*

*(These courses meet three days per six-day cycle for one semester.)*

### **Intro to 2D Design – 9785A (45 days)**

This course is an introductory course in the visual arts, as related to two-

dimensional art. You will learn basic design skills while experiencing a variety of media and techniques. You will have the opportunity to use creative-thinking and problem-solving skills while designing projects.

### **Art through the Years – 9785B (45 days)**

This course will explore art from different periods in time. You will create your own art inspired by some of the great masters, but adding your own unique twist to their creations.

### **Art from Many Hands – 9785C (45 days)**

You will have the chance to explore art from many cultures all over the world. Your own works will be inspired by art from different countries, as well as our own. A variety of media will be used to create your own original works.

### **Art and Architecture – 9785D (45 days)**

In this course, you will create your own art based on some of the architectural styles used throughout the ages. Your artwork may be inspired by architectural features such as: columns, arches, and stained glass window designs.

### **The World of Baking – 9786A (45 days)**

You will participate in activities that will focus on baking. You will learn to work with leavening agents to prepare baked items such as muffins, breads, cookies, and cakes. The skills of applied math and science will be used in the production of items that lead to self-sufficiency and to marketability. You will calculate and examine factors that influence the difference between cost of production and the cost of retail. You will examine the financial and environmental impact of the decision to produce or to buy.

### **Cooking for Life – 9786B (45 days)**

You will participate in activities that will focus on cooking. You will learn to make main courses and side dishes. The skills of applied math and science

will be used in the production of items that lead to self-sufficiency and to marketability. You will calculate and examine factors that influence the difference between cost of production and the cost of retail. You will examine the financial and environmental impact of the decision to produce or to buy.

### **Textiles & Sewing: Make and Take – 9786C (45 days)**

You will participate in activities that will focus on textiles and sewing skills. Items made during this class may be kept. You will learn to interpret pattern directions and markings. You will learn to use sewing tools. You will learn to hand sew and to operate and effectively use a sewing machine. The skills of applied math and science will be used in the production of items that lead to self-sufficiency and to marketability. You will calculate and examine factors that influence the difference between cost of production and the cost of retail. You will examine the financial and environmental impact of the decision to produce, redesign, reuse, repurpose, or buy new.

### **Textiles and Sewing: Community Service – 9786D (45 days)**

You will participate in activities that will focus on textile and sewing skills for community service. The items made in this class will be donated to community organizations such as AWSOME, Animals Can't Talk, The American Red Cross and Shelters. The skills of applied math and science will be used in the production of items that lead to self-sufficiency and to marketability. You will calculate and examine factors that influence the difference between cost of production and the cost of retail. You will examine the financial and environmental impact of the decision to produce, redesign, reuse, repurpose, or buy new.

### **H2rObotics – 9787A (45 days)**

Experience the world of underwater robotics. You will design and build an underwater remotely operated vehicle (ROV). This program teaches you how to build an underwater robot, build a propulsion system, develop a controller, and investigate weight and buoyancy.

**Manufacturing and Construction – 9787B (45 days)**

Experience the world of manufacturing and construction. This program teaches you how to use basic hand and power tools as you design and build projects using wood and/or metal and/or plastic. You will learn about manufacturing and construction principles used in the respective fields.

**Aerospace and Flight – 9787C (45 days)**

Experience the world of flight and rocketry. You will design and build anything from kites to rockets. This program will teach you about the principles and history of flight and propulsion systems through a series of design and build assignments.

**Green Energy – 9787D (45 days)**

Experience the world of sustainable energy. You will design, build and test solar collectors, windmills and other green energy producing systems. You will learn about the production and delivery of electrical energy for residential use.

**MUSIC ELECTIVES**

*(These courses meet three days per six-day cycle.)*

**Concert Band - 9980**

This full-year course is open to you if you have previous concert band experience. No audition is necessary; however, recommendation from the seventh grade band director may be used. As a member of the Concert Band, you will receive one group lesson and attend three ensemble rehearsals during the six-day cycle. There will be a required music performance evaluation at the end of each semester. You will develop a repertoire of instrumental music in a variety of styles, develop rehearsal and practice techniques, and be introduced to beginning sight-reading. Opportunities will also be given for extra-curricular activities such as Marching Band and Jazz Band.

**Orchestra - 9982**

Membership in the eighth-grade Orchestra will be determined by audition and/or recommendation of the Orchestra Directors. As a member of the Orchestra, you will receive one lesson and attend three ensemble rehearsals during the six-day cycle. There will be a musical performance evaluation at the end of each marking period. Prerequisite: three years ensemble experience or the equivalent and recommendation of the Orchestra Director.

**Chorus - 9985**

This full-year course is open to all eighth-grade students interested in singing. You will develop a repertoire of vocal music in a variety of styles and languages, develop rehearsal and vocal techniques, be introduced to beginning sight singing, and will present a number of public performances. No audition is necessary; however, a recommendation from the seventh grade Choral Director may be used. You will be eligible to audition for the District X Songfest. Opportunities will also be given for extra-curricular activities such as small ensembles, show choir and musical productions. These groups will be auditioned.

**SPECIAL EDUCATION**

The Stroudsburg Area School District either directly, or through contract with other education agencies, provides special education programs and services that are required to meet your specific disabilities. An Individualized Education Program (IEP) is developed for you if you meet eligibility for special education services on a yearly basis. The IEP team provides the building-level team with program and course recommendations to meet your specific and individual needs. Both regular education and special education classes are available to address needs outlined within the IEP. If your IEP states that you have a need for a course or program that is not listed in this Program of Study, that course or program may be added to your schedule through the IEP process.

**ENGLISH AS A SECOND LANGUAGE**

The ESL Program is offered to you if your primary language is something other than English. The primary objective of the ESL Program is to promote the acceleration of English skills. Emphasis is placed on developing oral and written language skills. You will be identified for this program by fluency level (beginning, intermediate, and advanced) and will receive instruction accordingly. Based upon an English language proficiency evaluation, you will receive one to five ESL periods of instruction per day.

**ESL Support 8 FY – 9126****ESL Support 8 3/6 - 9127**

The program is available to ESL students who have been identified as needing additional instruction and practice with basic reading, language art skills and study skills. Development of improved study strategies is stressed. You will receive help with content material and assignments. This program is individualized to meet your needs and does not count as original language arts credits. This course meets three days out of a six-day cycle or six days out of a six-day cycle throughout the school year.

**Language Arts 1 ESL - 9121****Language Arts 2 ESL - 9122****Language Arts 3 ESL - 9123****Language Arts 4 ESL - 9124**

You will be engaged in listening, speaking, reading and writing English through an integrated language arts curriculum using materials for English language acquisition, literature and other supplemental materials. Building both on your prior knowledge and on new materials, you prepare to enter academic content classes. You become familiar with the culture and structure of an American school and the community. Placement is made following assessment by the ESL teacher.

**Language Arts 1 ESL – 9121****Language Arts 2 ESL – 9122****Language Arts 3 ESL - 9123****Language Arts 4 ESL - 9124**

You will be engaged in listening, speaking, reading and writing English through an integrated language arts curriculum using materials for English language acquisition, literature and other supplemental materials. Building both on your prior knowledge and on new materials, you prepare to enter academic content classes. You become familiar with the culture and structure of an American school and the community. Placement is made following assessment by the ESL teacher.



# Course Planning Chart

This course planning chart is being provided to help you outline your past, present and future course selections from grades 9 through 12 in preparation for meeting the graduation requirements. Completing this chart will assist you and your parents in understanding the sequence of courses needed to accomplish your academic and career planning goals. You may earn up to 8.0 credits per year. Be sure to check the credit value of every course when making your decisions.

	Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b>				
<b>Social Studies</b>				X
<b>Mathematics</b>				
<b>Science</b>				
<b>Physical Education</b>	.25 Credit Phys. Ed.	.25 Credit Phys. Ed.	.25 Credit Phys. Ed.	.25 Credit Phys. Ed.
<b>Quarter Credit Requirements</b>	X	Health	X	X
<b>Quarter Credit Requirements</b>	X	STEAM Systems	X	X
<b>Quarter Credit Requirements</b>	This is Your Life!	Career Planning	X	X
<b>Arts/ Humanities</b>			X	X
<b>Electives</b> (Need a minimum of 4.0 credits)				
<b>Electives</b>				
<b>Electives</b>				