



**Somerset Area
Senior High School
Career Pathways Guide**
(66 Pages)

Somerset Area School District Mission Statement

“Success for All”

High School Administration

(814) 443-2831

High School Principal	Dr. Mark Gross
High School Assistant Principal	Mr. Scott Shirley
Director of Athletics/Facilities Coordinator	Mr. Scott Close

Middle School Administration (Assumes Change) **(814) 443-2831**

Middle School Principal	Mr. Eric Curry
Middle School Assistant Principal	Mr. Scott Shirley

Secondary School Counselors

Grades 7 – 12	A – Ha (Last Name)	Mr. John Gatto	Ext. 3237
Grades 7 – 12	He – Pe (Last Name)	Mrs. Tricia Betta	Ext. 3238
Grades 7 – 12	Pf – Z (Last Name)	Mr. Brian Coder	Ext. 3235

Subject Area Coordinators

Art Department	Mrs. Bridget Mayak	Ext. 5126
English	Ms. Natalie Barnhart	Ext. 3532
Family & Consumer Science	Mrs. Gwen Hartman	Ext. 3449
Foreign Language	Ms. Mary Ann Flynn	Ext. 3467
Health and Physical Education	Vacant	Ext.
Information Technology	Mrs. Chris Coulter	Ext. 3461
Mathematics	Ms. Rebecca Weible	Ext. 3540
Music	Mrs. Susan DiPasquale	Ext. 5227
School Counseling	Mrs. Tricia Betta	Ext. 3238
Science	Vacant	Ext.
Social Studies	Mr. Chris Zanoni	Ext. 3518
Social Studies	Mrs. Marcy Gross	Ext. 3420

Graduation Requirements

1. Course Completion

A student must meet the following requirements to graduate from the Somerset Area School District:

- A.** Successful completion of requirements through grade 8.
- B.** Passing a minimum of 24 credits in grades 9 – 12, including the following required courses:
 - 1. English or Language Arts I, II, III, & IV
 - 2. Civics, World Cultures, American Cultures, Government & Economics
 - 3. Science – 3 credits
 - 4. Mathematics – 3 credits
 - 5. Computer Applications
 - 6. Health
 - 7. Highway Safety
 - 8. Physical Education – 1 semester course every year
 - 9. Electives to complete the minimum requirements

2. Proficiency of PA Academic Standards

Students will be required to demonstrate proficiency in reading, writing, and mathematics on the Pennsylvania System of School Assessment (PSSA) administered in grade 11. Students who score at the proficient or advanced level in all three tested areas will be permitted to graduate from the Somerset Area School District. Students who do not demonstrate proficiency levels will be required to participate in the PSSA 12th grade re-take exam currently administered in the fall of the senior year. Students who do not demonstrate proficiency on the re-test will be required to participate in 14 hours of remediation, during and after school, as provided by the District.

School Counseling Information

Counseling Program Goals

The goals of the counseling program revolve around helping each student to maximize his/her aptitudes and abilities and also provide information on post secondary educational or vocational interests and career path options. In addition, students are encouraged to seek out their guidance counselor as an advocate for help in dealing with emotional, behavioral, or relationship issues they are facing in school or at home.

Group Counseling

Group counseling is offered on an intermittent basis when individual counseling is not possible or a determination is made that the student will benefit more from peer feedback in a guidance group interaction setting. The groups formed are homogenous in nature based upon client participation and core themes addressed.

START

START stands for “Students At Risk Team” and functions as the Student Assistance Program which is required in every school district in the state of Pennsylvania. The program provides assessment tools, intervention strategies, and recommendations for students dealing with a variety of mental health issues that are causing academic or behavioral difficulties. The program is

strictly confidential, providing supportive assistance to the student and parent in helping to identify problem areas and suggesting treatment options.

Outside Agencies

The guidance counselors work with various community agencies and have liaisons from each to assist with any needs students may have. These include Cambria/Somerset Drug and Alcohol, Victim Services, OVR, Children and Youth Services, Probation, Independent Living, Bedford-Somerset Crisis, Outdoor Odyssey, Mental Health/Mental Retardation, and many others. We also have a consultant from Mental Health available approximately 10 hours per week to see referred students in the guidance office.

Counseling Website

A Guidance section on our school district website, www.sasd.us, provides up to the minute information on all of the Guidance Office related happenings. Students and parents can access information on college tests, workshops, the college application process, college visits, and military recruiters, scholarships, open houses, upcoming events, and honor roll.

Career and College Planning

Counselors meet with students in large group settings, by grade level, at the beginning of each school year to explain services and address any questions and concerns. At that time, a college planning timeline is reviewed with juniors, detailing the important steps they need to take over the course of their last two years of high school. For seniors, the focus is specifically on the college application process. Students and parents may obtain either of these documents, as well as individualized assistance in the Guidance Office at any time.

Students also are encouraged to sign up in the guidance office to job shadow in a field of interest. SASD works in conjunction with the School-to-Work Office at SCTC to set up shadowing experiences. In addition, the guidance department has a variety of college planning resources available in the resource room for students to use independently or with their counselor's assistance. As always, counselors are available to schedule appointments with students and/or parents to discuss available options.

Field Trips and Assemblies

Students are taken on various field trips, related to career planning at particular grade levels that are related to career planning. The career fair is held in April for students in grade 8, Somerset County Technology Center tours are scheduled for the fall of each school year for students in grade 9, and the college fair in March is open to students in grade 11.

Making It Count is an outside organization that is invited in several times during the school year to do assemblies for specific grade levels on college and career decision making. The following programs are held each school year:

Making High School Count (freshmen) – usually presented in the fall

Making Your College Search Count (juniors) – usually presented in the spring

Making College & Career Count (seniors) – usually presented in the spring

Conferences/Staffings

A student is able to set up a conference with his or her assigned guidance counselor at any time. It is recommended that students schedule these in advance, and preferably during a study hall. Parents/guardians are welcomed to schedule appointments with the counselors as well.

Staffings provide an opportunity for parents/guardians to meet with their child's teachers and counselor in one group, to cooperatively work toward a plan for the child's success. Staffings are typically scheduled during the afternoon on early dismissal Fridays. Parents/guardians should contact their child's counselor by phone a few days in advance to schedule a staffing.

College Visits

Representatives from colleges, universities, technical schools and the armed forces make recruiting visits to the Somerset Area Senior High School mainly during the fall months. Dates and times are scheduled and then posted in the guidance office, in the guidance office display case in the hallway, on the district's website, on the daily announcements, and in the bulletin. Juniors and seniors are encouraged to meet with the representatives and must sign up prior to the visit in the guidance office. They are then required to coordinate their schedules with their teachers and make up any missed class work. Each visit lasts approximately one period.

Juniors and seniors wishing to make a college visit should contact their desired school to set up an on-campus visit. Once a visit is scheduled, students must inform the senior high office at least three days in advance. In order for a college visit to be an excused absence, students must then bring back a note on the college's letterhead stating that the he/she visited the campus.

Financial Aid

A "Financial Aid Night" is scheduled close to the beginning of each calendar year, where students and parents are invited to attend a seminar presented by a financial aid representative from a local college or university. In addition, guidance counselors work with students on an individual basis to answer specific financial aid questions that may come up throughout the school year.

Military Recruiters

Representatives from the armed forces periodically drop in to visit with students informally. For formal visits, recruiters work much the same way as colleges, in that a date and time are scheduled and posted, and interested juniors and seniors may sign up in the guidance office. Visits by recruiters who would like to set a table up in the hallway during the lunch periods are coordinated through the senior high office.

Schedule Changes

With Arena Scheduling, individual student schedule changes will be limited to the following reasons:

1. Master Schedule errors resulting in conflicts.
2. Course Sequencing
3. Student's lacking pre-requisite course work.
4. Academic necessity, where the change is necessary for an essential academic purpose, as determined by the building principal.
5. Medical necessity, as determined by a licensed health care professional and provided to the district in writing.

The administration reserves the right to deny course change requests at its discretion. **Students and their parents should make all course selection decisions carefully, as very few course change requests are/will be granted, and they are only granted in serious and compelling circumstances.**

DUAL ENROLLMENT

Dual enrollment offers senior high school students opportunities to earn college credit in high school.

Students in the Somerset Area School District can earn college credits while in high school—at a very reasonable price—and never have to leave the high school complex. The program is called Dual Enrollment and it allows students to get a head start on college, save money, and become accustomed to the rigor and pace of college-level work. Somerset Area School District, Allegany College of Maryland, California University of Pennsylvania, Pennsylvania Highlands, and Mt. Aloysius College have developed agreements allowing students to take classes taught by Somerset Area School District teachers who also are approved as adjunct college faculty. Students take the classes within their normal schedules during the school day, learning college curricula from college-level textbooks.

What are the advantages of dual enrollment?

- √ Students begin earning college credits prior to leaving high school
- √ Students need not travel to a college to earn these credits
- √ Dual enrollment tuition normally costs less than regular tuition
- √ Students have the ability to transfer many of the credits earned to the college of his or her choice
- √ Students are exposed to college-level curricula and rigor
- √ Dual enrollment college credits may provide an advantage on college applications

Dual Enrolled Courses/College Credit

Allegany College of Maryland

1. Public Speaking II – 3 credits
2. AP Spanish V (Depends upon enrollment number) – 12 credits
3. AP English IV (English 101) - 3 credits
4. AP English IV (English Literature) – 3 credits
5. Honors Government – 3 credits
6. Introduction to Psychology – 3 credits
7. Honors Lab Biology – 4 credits
8. AP U.S. History 103 - 3 credits (Can be taken with AP U.S. History 104 for 6 credits)
9. AP U.S. History 104 - 3 credits
10. Human Anatomy & Physiology – 4 credits
11. AP Biology – 4 credits

Mt. Aloysius College

1. AP Calculus – 4 credits
2. AP Statistics – 3 credits
3. Anatomy and Physiology – 4 credits
4. Honors Advanced Chemistry – 4 credits
5. Honors Physics – 4 credits
6. Honors Lab Biology – 4 credits

St. Francis University

1. Forensic Science – 3 Credits

Pennsylvania Highlands Community College

- | | | |
|-------------------------|---------|--|
| 1. Intro to Sociology = | SOC 100 | Intro to Sociology – 3 Credits |
| 2. Accounting I = | ACC 100 | Introduction to Accounting – 3 Credits |
| 3. *French II = | FRE 101 | French I – 3 Credits |
| 4. **French IV = | FRE 102 | French II – 3 Credits |
| 5. CADD I = | CAD 101 | Computer Aided Drafting I – 3 Credits |
| 6. Adv. Studio Tech = | HUM 125 | Introduction to Painting & Sculpting – 3 Credits |

*(Completion of French I and French II)

** (Completion of French III and French IV)

COLLEGE CREDIT

Somerset Area Senior High School Students may acquire college credit while they are still in high school. This credit can be obtained in several ways.

Students who take the Advanced Placement classes may receive college credit by scoring well on the Advanced Placement examinations given each spring. Registration for the exams begins in February each year when teachers announce the procedure to do so.

By paying a fee to the appropriate college, students can receive credit from various colleges and universities that have articulation agreements with the school district. Students interested in scheduling these courses should consult with their guidance counselor prior to the scheduling process. Courses available for college credit may be obtained in the guidance office.

High school credit will be granted for college classes taken during high school only under the following circumstances:

1. Credit will be given for those college level classes taught during the school day at the high school by Somerset High School faculty.
2. College credit will be given for those college level courses that are taken as make-up courses for required classes failed at Somerset High School. To receive credit for make-up classes, the student must obtain approval for such from the high school principal prior to registering for the class.

In other instances, students with a grade point average of 3.0 or higher at Somerset Area Sr. High school may take college level classes during school hours if they can be scheduled in such a manner as not to interfere with the student's high school curriculum. All courses must meet the approval of the high school principal. Those classes will not, however, be counted in any way toward the student's graduation credits, class rank, or grade point average.

When a student takes a college class as a high school make-up course or for credit to be transferred to another post-secondary school, it is the student's responsibility to request from the college any transcripts necessary to get appropriate credit either from the high school or the post-secondary school involved.

INDEPENDENT STUDY FOR CREDIT REQUIREMENTS

OBJECTIVE

The purpose of the Independent Study for Credit is to permit students the opportunity to apply, analyze, synthesize, evaluate, and communicate significant knowledge and understanding of a special interest area.

Definitions

Advisor: Faculty member who agrees to assist the student with the selection of the independent study and the selection of the mentor and will assure that the student follows the guidelines and timetables necessary for the completion of the project. The advisor will complete necessary documentation and assist with the evaluation of the project.

Mentor: Someone knowledgeable in the student's chosen project area who will assist the student in acquiring the necessary materials and skills to successfully complete the project.

Guidelines:

- A. Grade 11 and 12 grade students are eligible to complete an independent study for credit project.
- B. The role of the advisor will be assumed by a teacher volunteering expertise beginning eleventh grade. (See interest survey) The student must acquire a faculty advisor who will mentor the student and to assure that the student follows all the requirements to complete

- the project.
- C. Projects will be chosen by the student with the approval of the advisor. Pre-approval forms must be completed before the end of the 1st six weeks of the junior year. (See pre-approval form)
 - D. All students will also have a mentor who will assist with the content area of the project. A student will choose his/her mentor with the approval from the advisor.
 - E. Students must meet with their advisor at least three times per year, beginning in eleventh grade and continuing through the completion of the project. At each meeting the advisor will update the advisor's log and review the student's portfolio. (See advisor's log) The portfolio is a compilation or collection of all materials regarding the Independent Study Project. Included in the portfolio would be the student's project report, log, outline, any other written work, photographs, slides, powerpoint, charts, etc.
 - F. Students will meet with mentors as often as necessary, but at least four times per year from the time they initiate the project until its conclusion. At least two times per year the mentor must complete a progress report and send it to the student's advisor for the student's file. (See mentor's progress report)
 - G. Projects must be completed no later than the end of the first semester of the student's senior year.
 - H. Projects will require a minimum time investment of sixty logged hours. (See student log)
 - I. All projects will include the following components:
 - a. A written student project report consisting of at least five typewritten pages written in an acceptable format, double-spaced and using a font no larger than 12 point detailing the research involved in developing the tangible product.
 - b. This report should provide the background information, research, or data that was discovered during the investigation phase of the independent study. A section must be included that describes how the research was developed into a tangible project. The research paper must consist of an introduction, body, conclusion and bibliography or works cited. This is a research oriented document and applicable credit should be given to all sources. See <http://owl.english.purdue.edu/>
 - c. The paper will be evaluated using an appropriate rubric.
 - d. A five to fifteen minute oral presentation in which the students explain and answers questions about the project to the evaluation team.
 - e. A tangible product can be artwork, a video, a computer program, a short story, charts, prototype, & etc, which displays the student's understanding of the topic covered. The tangible product is the result of putting the research into action.
 - f. A student's log which includes specific dates and work involved in completion of the project. The log should reflect a minimum time investment of sixty (60) logged hours.
 - g. A reaction paper, one to two pages, which addresses the following:
 - i. Did the project meet your specific goals? State these goals and explain how. Would there difficulties/solutions in meeting your goal?
 - ii. If you were to rethink, redo, or continue your project, what changes or refinements might be made?
 - iii. What personal value or importance does this project have to you?
 - iv. What value or importance could this project have for others?
 - v. An additional comments or observations
 - vi. An evaluation completed by a team of at least three people including a faculty advisor. (See project evaluation form)
 - h. Upon successful completion of the project, a student will receive one credit which can be used as one of the elective credits necessary for graduation. The project will be graded and will be used in class rank and QPA calculations.

Career Pathways Program

Pathways is a career driven curriculum designed to prepare students to reach their post-secondary educational and career goals. The program is designed to meet the individual needs of all students as they choose their career goals and become independent and responsible life-long learners.

Pennsylvania's economic future depends on having a well-educated, skilled workforce. In the rapidly changing workplace, unskilled jobs are disappearing. Helping students to understand the need to have specialized, transferable skills to gain high-wage employment has never been more important.

There are four Career Pathways, under which 16 Career Clusters fall.

1. Arts & Communications
 - a. Arts, A/V Technology & Communications
2. Business & Finance
 - a. Business Management & Administration
 - b. Finance
 - c. Information Technology
 - d. Marketing
3. Engineering, Science & Technology
 - a. Agriculture, Food & Natural Resources
 - b. Architecture & Construction
 - c. Manufacturing
 - d. Science, Technology, and Math
 - e. Transportation, Distribution, & Logistics
4. Health & Social Services
 - a. Education & Training
 - b. Government & Public Administration
 - c. Health Science
 - d. Hospitality & Tourism
 - e. Human Services
 - f. Law, Public safety, Corrections & Security

Students will choose their career pathway by utilizing one or all of the following:

- Career interest assessments
- Career exploration websites and resources
- Career speakers
- Classroom lessons with school counselors
- Discussion with parents and adults
- Individual meetings with school counselors

Students will choose a career pathway in their 8th grade year by utilizing the Career Cruising program. By understanding the various pathways students will be able to choose high school course work that will match their interests. It should be understood that students may make adjustments to their pathway throughout their high school career as needed.

All students will be required to take all required course work as outlined by the district. Elective coursework will be driven by the students selected pathway. The pathway model will allow students to make the connection between classroom work and future careers.

Many people believe that a four-year degree is the ticket to getting high-skill/high-wage jobs. Actually, a four year degree is only one option for gaining skills and moving into the workforce. Below is a listing of different skill attainment paths:

- Master’s, Doctoral (PhD), or First Professional Degree:
Training at a college or university level beyond a four-year bachelor’s degree
- Bachelor’s Degree:
Undergraduate program of study (usually four years)
- Associate’s Degree:
Two-year program of study
- Post-secondary Vocational Training (Certificate):
Document of completion of an educational program
- Apprenticeship:
Determined period of training time depending on career choice
Individual works under a training supervisor
- On-the-job training:
Training on-the-job (short-term, moderate-term, long-term)
- Military:
Any branch of the armed forces-numerous careers and lengths of enlistment

Timeline for College Planning

Freshman Year

- | | |
|---------|---|
| Aug/Jan | Meet with your guidance counselor to develop a four-year plan |
| Aug/Jun | Practice good time management as study skills in high school |
| Aug/Jun | Work hard in challenging courses |
| Aug/Jun | Become involved in activities both in and out of school |
| Aug/Jun | Assess your interests and abilities |
| Jun/Aug | Use summer months to broaden your experiences (ie. work, travel, volunteer) |

Sophomore Year

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|----------|--|
| Sept/Jun | Continue to practice time management and study skills in high school |
|----------|--|

- October Take the PSAT for practice
- December Analyze your PSAT scores
Develop strategies for improving your test scores
Set up a simple system for organizing your college information
- Feb/Jun Begin to explore college choices and possible majors

Junior Year

- Sept/Jun Continue to strengthen your skills as a student
Speak to college representatives who visit the high school
- October Take the PSAT
- November Continue to research and begin visiting colleges
- December Develop a plan for SAT testing/preparation
- January Begin to narrow down college possibilities and find out which tests they require
Register for the SAT and/or SAT Subject Tests (www.collegeboard.com)
- March/June Take SAT and SAT Subject Tests
- May Take Advanced Placement tests if you are enrolled in the course work
- July/Aug Narrow your list of colleges
Begin work on college applications

Senior Year

- Sept/Oct Plan visits to colleges and prepare/schedule for interviews
Be aware of deadlines
Take SAT and/or SAT Subject Tests, if not taken previously
Ask for letters of recommendation (allow at least 2 weeks)
Submit applications
Request transcripts to be sent (allow at least 2 weeks)
- December Gather information for financial aid forms
Research national and local scholarships
- January File FAFSA and any other financial aid documents
- Jan/March Continue to check with guidance office for scholarship information
Reply to acceptance letters and meet deadlines for deposits
Finalize financial aid package
Request final transcripts to be sent (allow at least 2 weeks)

College Admission Testing

Throughout the year college admission tests are administered to college bound student. It is important that students become familiar with these tests. Information can be attained by seeing your guidance counselor.

Types of Tests

PSAT/NMSQT – the Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test

Duration - Approximately 2 ½ hours; given in mid-October
Taken by - High school juniors (available to interested sophomores)
Given by - College Board and National Merit Scholarship Corporation
Frequency - One time per year (October)
Purpose - Practice for SAT and qualify for National Merit Scholarship

SAT – The Scholastic Aptitude Test

Duration - Approximately 3 ½ hours
Taken by - Juniors and Seniors
Given by - College Board
Frequency - Seven times per year (Saturdays) see www.collegeboard.com for specific dates
Purpose - College Admissions

SAT II- SAT II Subject Test

Duration - One hour pretest (maximum of three per testing date)
Taken by - Juniors and Seniors
Given by - College Board
Frequency - Six times per year (Saturdays) see www.collegeboard.com for specific dates
Purpose - College admissions

ACT- The American College Testing Program

Duration - Three Hours
Taken by - Juniors and Seniors
Given by - ACT
Frequency - Six times per year (Saturdays)
Purpose - College admissions

Advanced Placement Tests- Subject Area Tests

Duration - 2 ½ - 3 ½ hours
Taken by - Students enrolled in AP courses
Given by - College Board
Frequency - One time per year, in May
Purpose - May fulfill college credit requirement

Athletic Information

NCAA Eligibility for College Athletics- Make sure you are eligible to participate in college sports.

Your Responsibility as a Prospective Student Athlete: It is your responsibility to make sure the Clearinghouse has the documents it needs to certify your eligibility. These documents are:

- a. Your completed and signed **Student Release Form** and fee. This can be obtained on-line at www.ncaaclearinghouse.net
- b. Your official transcript mailed directly from every high school you have attended.
- c. Your eligibility is based on college-prep courses as defined by NCAA definitions of core courses.
- d. Your SAT or ACT scores (NCAA Clearinghouse # is 9999)

It is important to note that you may start this process at the beginning of your junior year.

For information see the Athletic Director or your school counselor.

Interscholastic and Co-Curricular Eligibility

In order to participate in interscholastic sports and extracurricular activities, a student must maintain passing grades. A student whose grades do not comply with this policy is “academically ineligible” to participate in interscholastic sports and extracurricular activities. A student whose grades comply with this policy will be deemed “academically eligible”.

The “minimum standards” for academic eligibility shall be (i) in compliance with Pennsylvania Interscholastic Athletic Association (“PIAA”) eligibility rules in effect from time to time, **and** (ii) the Somerset Area School District special eligibility rules set forth in this policy.

At the time of the adoption of this policy, under PIAA eligibility rules, a student must be passing at least 4.0 credit subjects or the equivalent. Eligibility shall be cumulative from the beginning of the grading period, shall be reported on a weekly basis, and be filed in the Principal’s office.

The Somerset Area School District special eligibility rules are as follows:

A. As of the date of any weekly grade report:

- 1) A student shall not be failing more than 1 course (regardless of its credit value).
- 2) A student recording 2 failing courses (regardless of the credit value of the courses) on any grade report, will be placed on athletic and extracurricular probation for 1 week. If the student is not academically eligible at the end of the 1-week probation period, the student will be immediately ineligible until a weekly grade report indicates compliance with academic eligibility requirements.

- 3) A student recording 3 failing courses (regardless of the credit value of the courses) on any grade report will be immediately ineligible until a weekly grade report indicates compliance with academic eligibility requirements.
- B. **As of the end of any 9-week grading period**, a student attaining a failing grade in 2 courses (regardless of the credit value of the courses), will be academically ineligible for 2 weeks following the date the report card is issued.

*In the event PIAA enacts a more stringent policy on academic eligibility than the one set forth herein, then the PIAA eligibility policy shall prevail.

AIR FORCE JUNIOR ROTC CURRICULUM

Curriculum provided to Air Force Junior ROTC (AFJROTC) units is designed to support the program's purpose of instilling the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment, per US Code, Title 10, Section 2031. Citizenship and character education, the heart of the curriculum program, is primarily imbedded in a Leadership Education (LE) series of courses, while sense of service and education in science and technology related aerospace science is primarily found in the Aerospace Science (AS) series of courses.

Each AFJROTC class consists of three components—40% of available contact time covering LE material, 40% on AS curriculum and 20% on Wellness training. Thus, the typical high school student will spend two clock hours per week studying LE material, two more on AS subject matter and a fifth hour in wellness training, culminating in 120-180 contact hours per year for a single AFJROTC course. A requirement of the program is periodic uniform wear. First year cadets wear an AFJROTC T-shirt once per week and 2nd through 4th year cadets wear an AFJROTC uniform as appropriate. All AFJROTC uniform items are provided to the cadets. While in uniform, cadets are required to maintain acceptable appearance and grooming standards.

AFJROTC units also offer extracurricular activity such as opportunities to be members of a Drill Team, Color Guard, Sabre Team, etc. Through the course of serving on these teams and in learning to march in military formations in the drill instruction portion of the LE series, cadets get to demonstrate their skill and pride at public events such as the presentation of the US flag at school sporting events, marching in parades in their communities, performing at formal military events, demonstrating proper etiquette at formal dining socials, etc. The cumulative impact of exposure to this curriculum and training is seen in feedback AFJROTC consistently receives from parents and principals—that their students benefit tremendously from the program. Statistics show that AFJROTC students stay in school longer, are better behaved and contribute more to the community.

The LE series courses include components entitled Citizenship, Character and Air Force Tradition; Communication, Awareness and Leadership; Life Skills and Career Opportunities; Principles of Management; and Drill and Ceremonies. Over the course of four years of high school, enrolled cadets receive all of the LE courses. The AS series provides the instructor with a menu from which they can select four courses to blend with an LE course for each class. The AS menu includes A Journey Into Aviation History, Global and Cultural Studies, Science of Flight, Exploration of Space, Astronomy, Survival, Management of the Cadet Corps and Aviation Honors Ground School. While the LE components focus upon character development, including

the importance of personal health, responsibility and behavior, the AS courses provide a means for the instructor to expose cadets to the evolution of humankind's attempts to fly, the actual development of manned flight, manned and unmanned space exploration, how to survive and return from life-threatening situations and cultural study of the major regions of the world.

The primary role of curriculum in the AFJROTC program is to provide the academic substance needed to help mold cadets into productive, responsible citizens.

LEADERSHIP EDUCATION

The course objectives for the Leadership Education component are:

1. Know the AFJROTC mission and organization, customs and courtesies, and the meaning and purpose of standards, discipline, and conduct.
2. Comprehend why the elements of effective communication skills are important to the dynamics of individual and group behavior, and a key to effective leadership.
3. Comprehend why obtaining a degree or skill after high school is important to having a civilian or military career.
4. Know the various management theories and the management process, and how values and ethics are formed for an individual and the society.

Leadership Education I: Citizenship, Character & Air Force Tradition

The LE I textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

The course objectives are:

1. Know the importance of AFJROTC history, mission, purpose, goals, and objectives.
2. Know military traditions and the importance of maintaining a high standard of dress and personal appearance.
3. Know the importance of attitude, discipline, and respect, and why values and ethics are so important.
4. Know the importance of individual self-control, common courtesies and etiquette.
5. Know that an effective stress management program improves the quality of life.
6. Know why courtesies are rendered to the United States flag and the National Anthem.
7. Know why it is important to be a good democratic citizen and to be familiar with the different forms of governments.
8. Know the importance of keeping yourself well and helping others stay well.

Leadership Education II: Communication, Awareness, and Leadership

Leadership II stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

The course objectives are:

1. Apply the key factors of effective communications.
2. Know the ways in which personal awareness affects individual actions.
3. Know the key elements of building and encouraging effective teams.
4. Apply the key behaviors for becoming a credible and competent leader.

Leadership Education III: Life Skills and Career Opportunities

This course is helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful to. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

Course Objectives:

1. Know specific career options to pursue.
2. Know the elements of a personal budget and financial plan.
3. Know the requirements for applying to a college or university.
4. Know the essential process for pursuing a career.

Leadership Education IV: Principles of Management

This course teaches the fundamentals of management. Emphasis is placed on allowing the student to see himself/herself as a manager. Every organization, regardless of size, faces the challenge of managing operations effectively. No matter how well a manager carries out his or her job, there are always ways of doing at least part of the task more effectively. There are four building blocks of leadership considered in this text from the military and civilian perspective. Attention to these four areas will form a strong foundation for a capability to lead others – something that can be very valuable to you for the rest of your life. The four areas are Management Techniques, Management Decisions, Management Functions, and Managing Self and Others.

The course objectives are:

1. Comprehend the importance of management.
2. Comprehend the techniques and skills involved in making management decision.
3. Comprehend the concepts and skills of problem solving, decision-making, and negotiating.
4. Comprehend the importance of managing yourself and others.

Drill and Ceremonies

Course Objectives:

1. Know the importance of drill and ceremonies.
2. Know basic commands and characteristics of the command voice.
3. Apply and execute the concepts and principles of basic drill positions and movements.
4. Know when and how to salute.
5. Apply the principles and procedures of drill movements used with smaller units to the movement of a squadron.
6. Know the function of the group and the wing.
7. Know how groups and wings are formed.
8. Know the purpose and definition of ceremonies and parades.

Aerospace Science

The course objectives for Aerospace Science courses are for the cadet to develop:

- a. An appreciation of the basic elements and requirements for national security.
- b. Respect for and an understanding of the need for constituted authority in a democratic society.
- c. Patriotism and an understanding of their personal obligation to contribute toward national security.
- d. Broad-base knowledge of the aerospace age and fundamental aerospace doctrine.
- e. An interest in completing high school and pursuing higher educational goals or skills.
- f. An understanding of the Air Force and military as a possible career path.

A Journey into Aviation History

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials.

The course objectives are:

1. Know the historical facts and impacts of the early attempts to fly
2. Know the major historical contributors to the development of flight
3. Know the contributions of the U.S. Air Force to modern aviation history
4. Know the key events of space exploration history

Global and Cultural Studies

Global and Cultural Studies is a multidisciplinary course that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues will be examined. The regional areas included in this course are Europe, the Middle East, South Asia, East Asia, Africa, and Latin America. The lessons include excellent videos to provide a window into life and issues within the regions, followed by a variety of

hands-on activities created to engage the student. Readings are also available to set the stage for each lesson, along with workbook exercises suitable for in-class or homework assignments.

The course objectives are:

1. Know how cultural, geographic and economic factors have shaped Europe.
2. Know how religion, resources, conflict, external intervention and other cultural factors have influenced the modern day Middle East.
3. Know how religion, institutions, ethnicity, history, population and outside influences have impacted South Asia.
4. Know the role cultural traditions, social issues, communism, war and U.S. interests played in shaping East Asia.
5. Know how diverse cultures, European colonialism and the slave trade, war, famine and other factors have affected Africa over the centuries.
6. Know how cultural diversity, environmental issues, volatile politics and U.S. interests impacted Latin America.

The Science of Flight

This course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

The course objectives are:

1. Know the atmosphere environment.
2. Know the basic human requirements of flight.
3. Know why Bernoulli's principle and Newton's Laws of Motion are applied to the theory of flight and the operating principles of reciprocating engines, jet engines, and rocket engines.
4. Know the basic elements of navigation, the four basic navigation instruments, and the current methods of navigation.

An Introduction to Astronomy

This course explores the history of astronomy to include prehistoric astronomy, the early ideas of the heavens. The size and shape of the earth are discussed as well as the distance and size of the Sun and Moon. Other topics such as astronomy in the renaissance and Isaac Newton and the Birth of Astrophysics and the growth of astrophysics are discussed. We take focus on the Earth as a planet and the Earth's interior; the age of the Earth and Earth's magnetic atmosphere and magnetic field. The Moon is discussed in detail including its description, its structure, and its origin and history, as well as its eclipses and tides. An in-depth study of the Solar System, the terrestrial planets and the outer planets is covered as well.

The course objectives are:

1. Know the history of astronomy.
2. Know specific characteristics about Earth.
3. Know about the Moon and Solar System.
4. Know particular characteristics about the planets.

The Exploration of Space

This course examines the latest advances in space technology, and continuing challenges of space and manned spaceflight. Issues that are critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. The manned spaceflight section covers major milestones in the endeavor to land on the Moon, and to safely orbit humans and crafts in space for temporary and prolonged periods. It also covers the development of space stations, the Space Shuttle and its future, and international laws for the use of and travel in space.

The courses objectives are:

1. Comprehend the “big picture” of space exploration to include history of spaceflight, organizations doing work in space, and the overall space environment.
2. Know and use key concepts for getting from the surface of the Earth into Earth orbit, to other planets and back again.
3. Know how spacecraft and launch vehicles, and their associated parts, are designed and built to support the needs of the United States.
4. Apply techniques used to manage the development and operation of space systems within government and industry.

Management of the Cadet Corps

In this course, the cadets manage the entire corps, under the supervision of the instructional staff. It is recommended for final year cadets. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills.

The course objectives are:

1. Apply the theories and techniques learned in previous leadership courses.
2. Know how to develop leadership and management competency through participation.
3. Apply strengthened organizational skills through active incorporation.
4. Know how to develop confidence in ability by exercising decision-making skills.

5. Apply Air Force standards, discipline, and conduct.

Aviation Honors Ground School Program

This course is the foundation for students interested in receiving a private pilot's license. When the course is completed students should be prepared to take and pass the Federal Aviation Administration (FAA) written examination. The *Private Pilot Manual* is the primary source for initial study and review. The text contains complete and concise explanations of the fundamental concepts and ideas that every private pilot needs to know. The subjects are organized in a logical manner to build upon previously introduced topics. Subjects are often expanded upon through the use of Discovery Insets, which are strategically placed throughout the chapters. Periodically, human factors principles are presented in Human Element Insets to help you understand how your mind and body function while you fly. Throughout the manual, concepts that directly relate to FAA test questions are highlighted by FAA Question Insets. Additionally, you can evaluate your understanding of material introduced in a particular section by completing the associated review questions.

The course objectives are:

1. Comprehend the fundamentals of flight.
2. Comprehend flight operations.
3. Comprehend the atmosphere and its effect on aircraft operations.
4. Comprehend the basics of navigation and using charts and radio aids.
5. Apply the principles of aeronautical decision-making and flight-related physiological factors.

Survival: Survive • Return

The *Survival* text is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents "good to know" information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm.

The course objectives are:

1. Know the elements of surviving.
2. Know how medicine procedures, clothing, and shelter can provide personal protection for a survivor in a survival situation.
3. Know the necessities for maintaining life in a survival situation.
4. Know how to travel and prepare for recovery in a survival situation.

**SOMERSET AREA SCHOOL DISTRICT
HIGH SCHOOL COURSE OFFERINGS**

AGRICULTURAL EDUCATION

***Any student enrolling in an Agriscience class must also enroll in the corresponding Supervised Agriculture Experience class.*

AGRISCIENCE I (9090)**

Year Long Course 5 Pds/Wk. 1 Credit Grade 9

Pathway: Engineering, Science, and Technology

Prerequisites: None

Course Description: This course is designed as an introduction to agriculture. Units include animal production, plant growth and development, conservation of natural resources, pollution, leadership, careers in agriculture, mechanics in agriculture, chemical safety and the FFA.

Required Reading: Exploring Agriscience

Required Projects: Students are required to maintain a Supervised Agriculture Experience project during the second semester.

Other Specific Course Requirements: Text books

Grades Based On: Classroom work, tests, quizzes, and class participation.

AGRISCIENCE II (1090) **

Year Long Course 5 Pds/Wk. 1 Credit Grade 10

Pathway: Engineering, Science, and Technology

Prerequisites: Agriscience I (1090)

Course Description: This course is designed for sophomore students interested in Agriculture. Units of instruction will include biotechnology as related to plants and animals, food and fiber production, environmental technology, agriculture mechanics, leadership development, and the FFA.

Required Reading: *Small Gas Engines: Agriscience Fundamentals*

Required Projects: Students are required to maintain a Supervised Agriculture Experience Project.

Grades Based On: Classroom work, tests, quizzes and class participation.

AGRISCIENCE III (1190) **

Year Long Course 5 Pds/Wk. 1 Credit Grade 11

Pathway: Engineering, Science, and Technology

Prerequisites: Agriscience II (1190)

Course Description: This course is designed for Junior students interested in Agriculture forestry, and wildlife sciences. Units of instruction will include soil science, food science, aquatics, leadership development, tree identification, estimation, lumber processing and marketing. Additional units will include identification of wildlife species, habitat management, game laws and deer, bear and turkey management. Top students can compete in the county envirothon competition.

Required Reading: *Agriscience Fundamentals*

Required Projects: Students are required to maintain a Supervised Agriculture Experience Project.

Other Specific Course Requirements: None

Grades Based On: Classroom work, tests, quizzes and class participation.

AGRISCIENCE IV (1290) **

Year Long Course 5 Pds/Wk. 1 Credit Grade 12

Pathway: Engineering, Science, and Technology

Prerequisites: Agriscience III

Course Description: This course is designed for Senior students interested in agriculture, horticulture, and landscape sciences. Units of instruction will include agriculture business and marketing, Units in horticulture will include plant propagation, greenhouse management, container plants, pest control, gardening and floral design. Units in landscaping will include site preparation, selecting trees, estimation cots and landscaping techniques and equipment.

Required Reading: *Agriscience Fundamentals*

Required Projects: Students are required to maintain a Supervised Agriculture Experience Project.

Other Specific Course Requirements: None

Grades Based On: Classroom work, tests, quizzes, and class participation.

SENIOR SEMINAR (1275)

Year Long course	5 Pds/Wk.	1 Credit	Grade 12
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SENIOR SEMINAR (1276)

One Semester course	5 Pds/Wk.	.5 Credit	Grade 12
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Pathway: Arts and Communications**Prerequisites:** Satisfactory completion of ADVANCED ART, maintaining a “B” average and instructor approval.**Course Description:** This course will be for seniors who have taken two years/semesters of Art (1075/1076 & 1175/1176) and are in preparation for advancement to a program of art instruction beyond the high school experience. Students will be continuing the development of portfolios including maintaining a sketchbook which will reflect the personal interests of the individual student. Additional emphasis will be on the study of contemporary art, artists, media and advanced theory topics. Some personal expense for individual materials may be required.**Required Reading:** There will be readings required from various texts and sources pertaining to the concepts or current studio area being experienced. **Required Projects:** Assigned projects, which must be completed to attain a passing grade, will be made each grading period. Sketchbooks maintained outside of class will be required. A Senior Art Project for permanent display in the school will be part of the course.**Other Specific Course Requirements:** Additional required coursework will change from year to year, however, any assigned project work will be completed as part of the course requirements. Students failing to maintain a passing grade for two grading periods may be dismissed from class with an F. Proper care and maintenance of work areas and equipment is required of all participants; negligence of such responsibilities will result in repair or replacement of items at cost of the student.**Grades Based On:** Classroom participation (daily work habit), the successful completion of assigned projects, craftsmanship, and maintenance of personal studio area.**SCULPTURE AND CERAMICS I (1177)**

One Semester	5 Pds/Wk.	.5 Credit	Grades 10, 11, 12
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Pathway: Arts and Communication**Prerequisites:** None**Course Description:** This course will provide the opportunity for students to develop their understanding of sculpture and ceramics as an art form. Each student will further develop his/her ability to produce work using several media and processes. Basic processes will be required of all students. Some personal expenses will be required.**Required Reading:** There will be readings from various texts and sources pertaining to the concepts of current studio area being experienced.**Required Projects:** Assigned projects, which must be completed to attain a passing grade, will be made each grading period. Sketchbooks maintained outside of class will be required.**Other Specific Course Requirements:** Additional required coursework will change from year to year, however, any assigned project work will be completed as part of the course requirements. Students failing to maintain a passing grade for two grading periods may be dismissed from class with an F. Proper care and maintenance of work areas and equipment is required of all participants; negligence of such responsibilities will result in repair or replacement of items at cost of the student.**Grades Based On:** Classroom participation (daily work habits), the successful completion of assigned projects, craftsmanship and maintenance of personal studio area.

SCULPTURE AND CERAMICS II (1178)**One Semester** **5 Pds/Wk.** **.5 Credit** **Grades 10, 11, 12****Pathway:** Arts and Communication**Prerequisites:** For those students who have completed Sculpture and Ceramics I maintaining a B average and Instructor's approval.**Course Description:** An in-depth approach into sculpture and ceramics using more advanced techniques and materials.**Required Reading:** There will be readings from various texts and sources pertaining to the concepts of current studio area being experienced.**Required Projects:** Assigned projects, which must be completed to attain a passing grade, will be made each grading period. Sketchbooks maintained outside of class will be required.**Other Specific Course Requirements:** Additional required coursework will change from year to year, however, any assigned project work will be completed as part of the course requirements. Students failing to maintain a passing grade for two grading periods may be dismissed from class with an F. Proper care and maintenance of work areas and equipment is required of all participants; negligence of such responsibilities will result in repair or replacement of items at cost of the student.**Grades Based On:** Classroom participation (daily work habits), the successful completion of assigned projects, craftsmanship and maintenance of personal studio area.**PAINTING (9074)****One Semester** **5Pds./Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway:** Arts and Communication**Prerequisites:** None, Instructor approval, preceding course**Course Description:** This course will provide the student with the opportunity to experience producing works of art in a variety of paint media. Emphasis will be placed on workmanship, craftsmanship, and proper use of specific media.**DRAWING I (1378)****One Semester** **5 Pds/Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway:** Arts and Communication**Prerequisites:** None**Course Description:** This course will only focus on Drawing alone. Students electing this course will have their assignments developed around this basic art form and the varied expressions found historically and culturally. Sketchbooks will focus their development on problems assigned and on a personal level. The study of a variety of artists and their forms of expression will help the student towards their portfolio development. Some areas of expression will include: charcoal, pencil, pen and ink, chalk, conte crayon, colored pencil, crayon, mixed media, and contemporary expressions.**Required Reading:** There will be readings required from various texts and sources pertaining to the concepts or current studio area being experienced. **Required Projects:** Assigned projects, which must be completed to attain a passing grade, will be made each grading period. Sketchbooks maintained outside of class will be required.**Other Specific Course Requirements:** Additional required coursework will change from year to year, however, any assigned project work will be completed as part of the course requirements. Students failing to maintain a passing grade for two grading periods may be dismissed from class with an F. Proper care and maintenance of work areas and equipment is required of all participants; negligence of such responsibilities will result in repair or replacement of items at cost of the student.**Grades Based On:** Classroom participation (daily work habits), the successful completion of assigned projects, craftsmanship, and maintenance of personal studio area.

DRAWING II (1379)**One Semester****5 Pds/Wk.****.5 Credit****Grades 10, 11, 12****Pathway:** Arts and Communication**Prerequisites:** None

Course Description: This course will be an advanced approach to Drawing I. Students will refine techniques and process in a variety of medium. Students will create, critique, and evaluate their works of art. A weekly sketchbook/journal will be required. All art work will be critiqued and a student written reflection will be required.

Required Reading: There will be readings required from various texts and sources pertaining to the concepts or current studio area being experienced. **Required Projects:** Assigned projects, which must be completed to attain a passing grade, will be made each grading period. Sketchbooks maintained outside of class will be required.

Other Specific Course Requirements: Additional required coursework will change from year to year, however, any assigned project work will be completed as part of the course requirements. Students failing to maintain a passing grade for two grading periods may be dismissed from class with an F. Proper care and maintenance of work areas and equipment is required of all participants; negligence of such responsibilities will result in repair or replacement of items at cost of the student.

Grades Based On: Classroom participation (daily work habits), the successful completion of assigned projects, craftsmanship, and maintenance of personal studio area.

JEWELRY AND CRAFTS (9079)**One Semester****5Pds./Wk.****.5 Credit****Grades 9, 10, 11, 12****Pathway:** Arts and Communication

Course Description: Students will be introduced to a variety of metal jewelry techniques. Students will also work with beading and wire jewelry styles. Furthermore, students will be exposed to various craft projects

ADVANCED STUDIO TECHNIQUES (1175)**Year Long Course****5 Pds/Wk.****1 Credit****Grades 11, 12****Dual Enrolled Course****ADVANCED STUDIO TECHNIQUES (1176)****One Semester****5 Pds/Wk.****.5 Credit****Grades 11, 12****Pathway:** Arts and Communication

Prerequisites: Satisfactory completion of INTRO TO ART maintaining a "B" average.

Course Description: Second year students will continue their portfolio development in the four major media areas with additional technical skills, additional media exploration, and continued design problem solutions. Assignments will allow the student to develop their skills to the succeeding level of accomplishment. Students will study the movements and periods of art from Impressionism through the Contemporary period. Students will maintain a sketchbook throughout the course. Some personal expense for individual materials may be required.

Required Reading: There will be readings required from various texts and sources pertaining to the concepts of current studio area being experienced.

Required Projects: Assigned projects, which must be completed to attain a passing grade, will be made each grading period. Sketchbooks maintained outside of class will be required.

Other Specific Course Requirements: Additional required coursework will change from year to year, however, any assigned project work will be completed as part of the course requirements. Student failing to maintain a passing grade for two grading periods may be dismissed from class with an F. Proper care and maintenance of work areas and equipment is required of all participants; negligence of such responsibilities will result in repair or replacement of items at cost of the student.

Grades Based On: Classroom participation (daily work habit), the successful completion of assigned projects, craftsmanship, and maintenance of personal studio area.

ENGLISH

HONORS ENGLISH I (9000)

Year Long Course 5 Pds/Wk. 1 Credit Grade 9

Pathway: Arts and Communication

Prerequisites: Summer reading and composition, 3.0 grade point average in eighth grade English

Course Description: Honors English includes the following: Introduction of several literary genres, vocabulary development, grammar, expository writing, usage, an introduction to MLA style, and oral presentations. The literary selections and compositions assignments require comparative critical evaluation on the part of the student. Reading and writing assignments are more substantial than college preparatory classes.

Required Reading: Various SRC and teacher-selected novels, two plays, short stories, and poetry.

Required Projects: Independent novel projects and extension activities with literature selections

Other Specific Course Requirements: None

ENGLISH I (9001)

Year Long Course 5 Pds/Wk. 1 Credit Grade 9

Pathway: Arts and Communication

Prerequisites: Students will be placed in English I based upon completion of eighth grade English.

Course Description: This course includes study in the following areas: composition, grammar, literature, speech and vocabulary. Emphasis is placed on expository writing, literary analysis, vocabulary development, grammar, usage, introduction to MLA style, and oral presentations. Students who wish to pursue CP English in 10th grade should maintain at least a "C" average in this course.

Required Reading: Various SRC and teacher-selected novels, one play, short stories, and poetry.

Required Projects: Extension activities with literature selections

Other Specific Course Requirements: None

HONORS ENGLISH II (1000)

Year Long Course 5 Pds/Wk. 1 Credit Grade 10

Pathway: Arts and Communication

Prerequisites: At least a B average in College Prep or Honors English 9.

Course Description: In addition to the completion of the college preparatory English II units, the students will have a wider spectrum of assignments in interpreting and evaluating classic literature and will have more intensive writing projects to challenge them and enrich their background than those in the college preparatory course. Additionally, students will be expected to write lengthier compositions and complete substantial reading assignments outside of class.

Required Reading: One novel for summer reading, three novels, one Shakespearean play, and four independent novels.

Required Projects: A research paper

Other Specific Course Requirements: 25 vocabulary lessons, quarterly book talks, and writing journals.

Grades Based On: Homework, tests, essays, and class participation.

ENGLISH II-CP (1001)

Year Long Course 5 Pds/Wk. 1 Credit Grade 10

Pathway: Arts and Communication

Prerequisites: Should successfully complete 9th grade English 9000 or 9001 with a "C" average or better.

Course Description: This course is devoted to the reinforcement of communication skills and the study of modern classics.

Required Reading: One class novel, four independent Scholastic Quiz novels, readings from Prentice Hall literature collection, one Shakespearean play, short stories, and poetry.

Required Projects: Research paper, various writing projects, and comparison/contrast using films.

Other Specific Course Requirements: Successfully complete 25 vocabulary lessons.

Grades Based On: Homework, tests, projects, classroom participation.

HONORS ENGLISH III (1100)**Year Long Course** **5 Pds/Wk.** **1 Credit** **Grade 11****Pathway: Arts and Communication****Prerequisites:** At least a B average in College Prep or Honors English II**Course Description:** **The focus of this course is on American Literature.** In addition to all college preparatory English III requirements in vocabulary and composition, students in the honors course will be exposed to a wider array reading and writing assignments.**Required Reading:** Summer novels plus additional class and independent novels.**Required Projects:** Speech, research paper, compositions.**Other Specific Course Requirements:** literature circles, writing journals, SRC novels and portfolio**Grades Based On:** Homework, tests, presentations, compositions.**ENGLISH III-CP (1101)****Year Long Course** **5 Pds/Wk.** **1 Credit** **Grade 11****Pathway: Arts and Communication****Prerequisites:** At least a C average in College Prep English II.**Course Description:** The focus of this course is American Literature. A strong emphasis is placed on increasing vocabulary and improving writing skills with a variety of essays. Each student will complete a detailed research paper with documentation. Students will demonstrate public speaking skills.**Required Reading:** various novels (class and independent)**Required Projects:** Speech, research paper, compositions.**Other Specific Course Requirements:** literature circles, SRC novels**Grades Based On:** Homework, tests, presentations, compositions.**ADVANCED PLACEMENT ENGLISH IV (1200)****Dual Enrolled Course, English 101 and 103 (6 credits)**

Students in this class are required to take the Advanced Placement test, as scheduled, during this school year. Testing fees will be paid by the District.

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 12****Pathway: Arts and Communication****Prerequisites:** Meeting honors criteria.**Course Description:** Students can prepare for and take AP exam in language and composition or receive credits through ACM. Curriculum includes novels, poetry, and short stories at an advanced level; essay reading and analysis; various types of writing with emphasis on analytical writing.**Required Reading:** 2 – 3 novels during the summer, required novels and plays during the year, independent reading for research papers.**Required Projects:** Portfolios, research papers, analysis papers, individual and group presentations on literature.**Other Specific Course Requirements:** None**Grades Based On:** Papers, presentations, tests.**ENGLISH IV-CP (1201)****Year Long Course** **5 Pds/Wk.** **1 Credit** **Grade 12****Pathway: Arts and Communication****Prerequisites:** Should complete 10th and 11th grade college preparatory level English classes, functioning as an average student.**Course Description:** Course offers intensive preparation for post-high school study while focusing on oral and written aspects of rhetoric. Material covered holds concentration on the higher levels of Bloom's taxonomy – analysis, synthesis, and evaluation.**Required Reading:** *Prentice Hall: The British Tradition(text)*, *Vocabulary for the College Bound Student*, *The Practical Stylist* or freshman-level composition and rhetoric text, and a variety of novels, plays, and poetry.**Required Projects:** Novel research speech unit, journal, compositions, and a Senior Project**Other Specific Course Requirements:** None

FILM AS LITERATURE (1301)**Semester Long Course 5 Pds/Wk. .5 Credit Grades 9-12****Pathway: Arts and Communication****Prerequisites:** none**Course Description:** In school we often only think of literature in the traditional sense: novels, plays, short stories, and poetry. This course aims to add film as an additional form of literature to be read. In this course, students will be challenged to become critical observers able to determine how directors use cinematic techniques to highlight this form of text. This course will require written analyses where students can voice their opinions regarding the use and effectiveness of literary and film devices.**Required Reading:** One external novel and supplemental materials**Required Projects:** Various papers and projects**Other Specific Course Requirements:** None**Grades Based On:** Class participation, papers, and projects**NEWSPAPER I AND II (1305)****Year Long Course 5 Pds/Wk. 1 Credit Grade 11, 12****Pathway: Arts and Communication****Prerequisites:** A “B” average in college preparatory or Honors English and teacher recommendation.**Course Description:** As a training course for journalists and preparation for college, this course involves the writing of various types of stories and articles appropriate for professional newspapers including news, features, editorials, sports, headlines, and advertising. Coursework involves higher levels of taxonomy and thinking that includes critical writing, advanced essay response, and the business practices of meeting deadlines. This course exists as a “business,” and as such those students who fail to evolve journalistically and meet necessary academic requirements will be asked to drop the course.**Required Reading:** The “Eagle’s Echo”, The Daily American and any other professional newspaper or periodical textbook – Journalism Today**Required Projects:** Junior issue of the “Eagle’s Echo” and Children’s Journalism**Other Specific Course Requirements:** Participation in publication of “Eagles Echo**Grades Based On:** Homework, tests, projects, papers, and classroom participation.**SHAKESPEARE I (1306)****One Semester 5 Pds/Wk. .5 Credit Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** None**Course Description:** The master works of William Shakespeare will be approached through the intended venue – on stage. The course will explore the Bard’s collection through text study and performance. Texts will include Shakespeare’s histories, tragedies, comedies, and sonnets.**Required Reading:** The Complete Works of William Shakespeare**Required Projects:** Students will be required to perform in a variety of scene work, as well as write imitative sonnets and soliloquies.**Other Specific Course Requirements:** None**Grades Based On:** Classroom participation, scene work, writings, & exams.**SHAKESPEARE II (1323)****One Semester 5 Pds/Wk. .5 Credit Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** Shakespeare I**Course Description:** Further explore the text and the performances of William Shakespeare. Trace the language, life, and the genius of the Bard’s magic.**Required Reading:** The Complete Works of William Shakespeare**Required Projects:** Students will be required to perform in a variety of scene work, as well as write imitative sonnets and soliloquies.**Other Specific Course Requirements:** Performances**Grades Based On:** Classroom participation, scene work, writings, & exams.

DRAMA I (1307)**One Semester** **5 Pds/Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** None**Course Description:** The drama class introduces students to the theatre and drama. The course includes the history of theatre, stage dynamics and the art of acting. The student will be encouraged in greater stage presence and command of oral expression.**Required Reading:** None**Required Projects:** The course requires scene work.**Other Specific Course Requirements:** None**Grades Based On:** Performances and quiz grades.**DRAMA II (1324)****One Semester** **5 Pds/Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** Drama I**Course Description:** Continue theatrical studies through performance learning. The course will trace theatrical history, stage, acting, playwriting, and performance.**Required Reading:** None**Required Projects:** The course requires scene work.**Other Specific Course Requirements:** Performances**Grades Based On:** Performances and quiz grades.**WORLD LITERATURE (1308)****One Semester** **5 Pds/Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** All students should be able to function in a college preparatory level with average level performance.**Course Description:** After a brief focus on elements of literature genres and critical writing, this course then focuses on high interest reading and study of contemporary plays, poems, short stories, and non-fiction works from around the world.**Required Reading:** *World Literature (National Textbook)***Grades Based On:** Homework, tests, projects, classroom participation – all of equal value.**PUBLIC SPEAKING I (1309)****One Semester** **5 Pds./Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** None**Course Description:** Students will overview the communication process, speaking anxiety, and practice public speaking for a variety of purposes such persuasive, informative, impromptu, as well as in dramatic styles and social situations.**Required Reading:** None**Required Projects:** Eight to twelve presentations on various topics and in various styles.**Other Specific Course Requirements:** None**Grades Based On:** Performance and class participation**PUBLIC SPEAKING II (1310)****Dual Enrolled Course, Speech Communication 101, 3 cr****One Semester** **5 Pds./Wk** **.5 Credit** **Grades 10, 11, 12****Pathway: Arts and Communication****Prerequisites:** None**Course Description:** Public Speaking II requires students to utilize basic skills acquired during Public Speaking I in more challenging situations. Students will make presentations individually and in groups. Students are required to complete textbook readings. Students can get college credits through ACM with successful completion of this course.**Required Reading:** Course textbook, *Human Communication***Required Projects:** Speeches, team assignments, interviews, 2-3 individual speeches based on researched and cited information.**Grades Based On:** Use of rubrics and checklists. Self and peer written reflections. Tests on textbook assignments.

CREATIVE WRITING I (CP) (1319)**One Semester** **5 Pds/Wk.** **.5 credit** **Grade 7, 8, 9****Pathway:** Arts and Communication**Prerequisites:** None**Course Description:** Course Description: This course is a workshop course in which students will discover, analyze, and apply the methods and forms used in various types of fiction and poetry. It emphasizes experimentation and practice by taking cues from published writers and poets. Creative Writing provides an opportunity for all participants to express themselves. The course allows students to focus on word choice, diction, form, editing, idea generation, and other skills useful in nonfiction.**Required Reading:** several Creative Writing textbooks, various short stories, various poems**Required Projects:** a writing journal, several manuscripts and poems**Other Specific Course Requirements:** None**YEARBOOK I AND II / MEDIA LITERACY(1350)****Year Long Course** **5 Pds/Wk.** **1 Credit** **Grade 11, 12****Pathway:** Arts and Communication**Prerequisites:** A “B” average in English class “and selection by Yearbook II editors and the advisor.**Course Description:** Students will serve as various staff for publication of the senior high yearbook. Students must assume independent responsibility for various assignments and deadlines. Activities include writing, photography, and learning to design and layout pages utilizing Adobe InDesign. To be selected into Yearbook I, students complete an application that includes an essay. They also must have written or verbal recommendations from two teachers. Part 2 of this course includes the following: From print ads to TV to film to books to popular magazines to T-shirts to underground music to video games, students are constantly surrounded by some form of media. In this course, students will critically read, view, and/or listen to a range of mass media in order to determine how words, sounds, and images are used to convey meaning and/or to persuade. Students will use this knowledge to describe how the media shape our perceptions of others and influence our understanding of the social events and phenomena that comprise our daily lives.**Required Reading:** Teacher supplemental materials.**Required Projects:** Yearbook Production & Others T.B.D.**Other Specific Course Requirements:** Various papers and projects.**Grades Based On:** Homework, tests, projects, papers, yearbook, and classroom participation.**CONTEMPORARY POETRY (1302)****Semester Course** **5pds/Wk** **.5 Credit** **Grades 9-12****Pathway:** Arts and Communication**Prerequisites:** None**Course Description:** This Contemporary poetry course is designed to enhance students’ appreciation for the arts through poetry analysis, poetry writing, and poetry reading. Students will gain exposure to contemporary poets whose styles vary structurally and sonically. Students will write their own poetry as well as analysis of others’ poetry. Time will also be devoted to studying, crafting, and performing modern Slam Poetry.**Required Reading:** Teacher-selected and student-selected poetry**Required Projects:** A poetry portfolio; A complete Slam Poem**Other Specific Course Requirements:** None**Grades Based On:** Analytical essays, portfolio growth and completion, performance of pieces, and completion of an original Slam Poem.**GENDER STUDIES (1303)****Semester Course** **5pds/Wk** **.5 Credit** **Grades 9-12****Pathway:** Arts and Communication**Prerequisites:** None**Course Description:** This course is designed to give students the opportunity to see how gender is constructed through texts. Students will read short stories, poems, and novels and view film and videos to answer questions related to femininity and masculinity. Students will have the opportunity to challenge perceptions through discussion and complete a Social Action Project.**Required Reading:** Teacher-selected stories, novels, and poetry**Required Projects:** Social Action Project**Other Specific Course Requirements:** None**Grades Based On:** Discussion, written critiques, and the Social Action Project

FAMILY AND CONSUMER SCIENCES

FOODS FACS (9081)

Semester. **5 Pds. / Wk.** **.5 credit** **Grades 8, 9**

Pathway: Health and Social Services

Prerequisite: None

Course Description: Learn the basic concepts of food, nutrition, and food preparation techniques such as measuring, recipe reading, equipment use, safety and sanitation. We'll talk consumerism and aesthetics of finished products. Simply prepared foods will emphasize proper cooking and storage, including the use of the stove top, the oven, and the microwave. Nutritional benefits of eating breakfast and healthy lunches are stressed. Components of each of these meals become separate class topics and food labs. Units of study include eggs and breakfast meats, breads, fruits and vegetables, dairy food products, pasta, cookies, sandwiches, and pizza.

Required Reading: Related information

Required Projects: Several related to pertinent units

Other Course Requirements: Working cooperatively in small groups.

Grades Based On: Group cooperation, students participation, folder evaluation, tests, and foods labs grades.

BABY CARE FACS (9082)

Semester **5 Pds./Wk.** **.5 Credit** **Grades 8,9**

Pathway: Health and Social Services

Prerequisite: None

Course Description: Students will personally experience the responsibilities of parenting a newborn infant, by caring for RealCare Baby, a computerized infant simulator. Infant care subjects will include feeding, burping, rocking, changing diapers, prenatal and postnatal development, comforting a crying infant, infant safety, and infant health concerns. Students will explore financial responsibilities of parenting and reflect on personal readiness for parenting.

Required Reading: Corresponding course materials

Required Projects: Care for RealCare Baby and maintain a diary

Grades Based On: Individual and cooperative group projects, class activities, notebook, tests and infant simulation performance grade.

WELLNESS FOODS (1080)

One Semester **5 Pds. / Wk.** **.5 Credit** **Grades 10, 11, 12**

Pathway: Health and Social Services

Prerequisite: None

Course Description: Students will explore HEALTH AND WELLNESS today including nutrition and fitness, weight control, and health risks in our society. Study good fats, bad fats and the basics for low fat, lower calorie food preparation. Learn the science of food processing and its negative impact on all of us. How do the food borne-illnesses impact today's society? Head over to the kitchen for simply prepared light foods such as smoothies, salads, wraps, kebobs, stir-fry, wholesome whole grains, fruits and vegetables.

Required Reading: Related information

Required Projects: Several related to pertinent units.

Other Course Requirements: Working cooperatively in small groups.

Grades Based On: Group cooperation, student participation, folder evaluation, tests and foods lab grades.

DISCOVERING FOODS (1180)

One Semester **5 Pds. / Wk** **.5 credit** **Grades 10, 11, 12**

Pathway: Health and Social Services

Prerequisite: None

Course Description: Discover the basics of food preparation including cooking techniques and terms, measuring, recipe reading, and equipment know-how. Go beyond that to the science of food preparation and understand what happens to food as it cooks. Explore the six basic nutrients, their purpose in your diet, and how to keep them in the foods you create. Consumerism techniques are stressed as you prepare foods units of dairy products, meats, fruits and vegetables, breads, cookies, pasta and pastries.

Required Reading: Related information

Required Projects: Several related to pertinent units

Other Course Requirements: Working cooperatively in small groups

Grades Based On: Group cooperation, student participation, folder evaluation, tests and foods lab grades.

WORKING WITH YOUNG CHILDREN (1181)**One Semester 5 Pds./Wk. .5 Credit Grades 10, 11, 12****Pathway:** Health and Social Services**Prerequisites:** None

Course Description: Child care services is one of the fastest growing areas of employment. In this class you will learn how to plan curriculum, build guidance skills, arrange space, safety considerations, selection of toys and equipment, plan nutritious snacks, guide social play, music, math, storytelling and science activities. This information will be applied to an in-class pre-school program including observation and participation experiences.

Required Reading: None**Required Projects:** Observation of Preschoolers.**Other Specific Course Requirements:** Must work cooperatively in small groups. Mini demonstrations required in this class.**Other Course Requirements:** None**Grades Based On:** Class participation, notebook grade, tests, and planning, conducting and participation in preschool.**CHILD GROWTH AND DEVELOPMENT (1182)****One Semester 5 Pds./Wk. .5 Credit Grades 10, 11, 12****Pathway:** Health and Social Services**Prerequisites:** None

Course Description: Students will study the physical, social, emotional, and intellectual development of children. Units of study will include pregnancy, prenatal care, parenting skills, teenage pregnancy, safety, discipline, and child abuse. The class will include the Baby Think it Over simulation program. Students have the option of taking home the computerized baby over a weekend during the semester.

Required Reading: Related information**Required Projects:** Teen parenting project**Other Course Requirements:** Birthing video**Grades Based On:** Individual and cooperative group projects, class activities, notebook, tests**ON YOUR OWN (1381)****One Semester 5 Pds./Wk. .5 Credit Grades 10, 11, 12****Pathway:** Business and Finance**Prerequisites:** None

Course Description: *Dollars & Sense* is a personal finance computer simulation that challenges students to live on their own. Up-to-date salaries, prices, products, and utilities are used to create realistic situations in a virtual world. Students explore how to create a budget, establish credit, utilize banking services, purchase cars, investigate insurance, save for the future, and obtain housing. Students learn skills everyone should know to become independent after graduation. (On Your Own course content is very similar to Personal Finance content, so taking both classes is not recommended.)

Required Reading: Computer simulation information**Required Projects:** Coast-to-Coast simulation**Other Course Requirements:** Work cooperatively with a partner**Grades Based On:** Real life simulation scores, activities, and exams.**INTERIOR DESIGN (1382)****One Semester 5 Pds. /Wk. .5 Credit Grades 10, 11, 12****Pathway:** Arts and Communication**Prerequisites:** None

Course Description: Students will utilize powerful software and online resources to design and decorate their dream home. They will discover designer secrets to blend practicality and style to transform floor plans into 3D living space, viewed as a virtual tour. Current price lists will help students calculate costs to enhance their consumer skills.

Required Reading: Corresponding course materials**Required Projects:** Design and decorate a virtual home**Other Course Requirements:** Work cooperatively with others**Grades Based On:** Performance based criteria and unit projects

**WORLD LANGUAGE III - (1051) French III
(1052) German III (Online Course if Online German II was Completed)
(1053) Spanish III**

Year Long Course 5 Pds/Wk. 1 Credit Grades 10, 11, 12

Pathway: Arts and Communication

Prerequisites: Successful completion of previous level; recommended C average or above.

Course Description: This course enables students to progress beyond basic communication skills so that they feel more confident listening, speaking, reading and writing in the target language. They will expand their study of foreign cultures, and analyze and compare those cultures at a more complex level. Emphasis is placed on the use of the target language as much as possible.

Grades Based On: Tests, quizzes, homework, projects, lab activities, notebooks, and class participation.

**WORLD LANGUAGE IV (1151) Honors French IV (Dual Enrolled Course, 3 credits – Completion of French III & IV)
(1152) Honors German IV (Online Course if Online German III was Completed)
(1153) Honors Spanish IV**

Year Long Course 5 Pds/Wk. 1 Credit Grades 10, 11, 12

Pathway: Arts and Communication

Prerequisites: Successful completion of previous level; recommended C or above.

Course Description: This course provides an opportunity for serious students to further their ability to speak, read and write at an intermediate level. An on-going review of grammar as well as new material will enhance students' mastery of the language. Vocabulary from readings and/or everyday situations will enable students to communicate at a higher level. The course is taught in the target language.

Grades Based On: Tests, quizzes, homework, projects, lab activities, notebooks, and class participation.

WORLD LANGUAGE V – To Be Determined. (Based on Student Demand and Scheduling Availability for Students)

HEALTH, PHYS. ED. & HIGHWAY SAFETY

PHYSICAL EDUCATION (9060-BOYS, 9061-GIRLS)

One Semester Course 5 Pds/Wk. .5 Credit Grade 9

Pathway: Health and Social Services

Prerequisites: None

Course Description: The course is designed to assist students in acquiring skills, techniques, concepts, and strategies concerning various individual and team sports that will promote life-long fitness. The units covered will vary in skill level and allow for all students to achieve.

Units included: basketball, bowling, football, Frisbee, handball, physical fitness, rope jumping, soccer, softball, swimming, volleyball, weight training, and other units of interest.

Appropriate dress, active participation, personal discipline, and a positive attitude are points of emphasis that aid in maintaining a student's physical, social, and mental health.

Required Reading: Writing Assessments.

Required Projects: Completion of written work for medical excuses and weight training program.

Other Specific Course Requirements: Appropriate dress for physical education. Depending on the grade level supplied PE Uniforms or Black or dark blue shorts, sweat or wind pants and a white T-shirt. Swimming is a requirement and an incomplete in swimming must be made-up by the end of the school year in which it occurs, or the student will fail the entire physical education class for that year. (S) He will then need to repeat the entire class the following year.

Grades Based On: Class participation, skills and written tests.

Grading Scale:

Participation Grade: 150 possible points

90 – 100 A 80 – 89 B

70 – 79 C 60 – 69 D

Nine Weeks Grade: The average of the Participation, Skill & Written Grade.

PHYSICAL EDUCATION (1360-Boys, 1361-Girls)**One Semester 5 Pds/Wk. .5Credit Grades 9, 10, 11, 12****Pathway:** Health and Social Services**Prerequisites:** None**Course Description:** This class is designed to expose the students to various activities. These activities include team sports, individual sports, dance, swimming, lifetime sports and adventure sports. Fitness and wellness is emphasized. Student's physical, mental, and social health should benefit from this course.**Required Reading:** The only required reading would be for written assignments when the student is on a medical excuse and cannot actively participate in class.**Required Projects:** Active class participation of assignments, written tests, skill tests, fitness center, physical fitness testing, and swimming. Please note: Swimming is a course requirement and an incomplete grade in swimming must be made-up before the conclusion of the swimming unit or the student will fail physical education for that year and need to repeat the entire course the following year.**Other Specific Course Requirements:** Appropriate dress for class participation. (Determined by teacher)**Grades Based On:** Conduct/Rules 1. Active class participation 2. Skill tests 3. Written tests.

*Weighting depends on the unit being taught.

*Students on a medical excuse either do limited activities as directed by the doctor or do written assignments given by the teacher.

Grading Scale: Varies according to the unit being taught.**HEALTH (1060)****One Semester 5 Pds/Wk. .5 Credit Grades 10, 11, 12****Pathway:** Health and Social Services**Prerequisites:** None**Course Description:** Health units will include stress, self-esteem, relationships, family education, alcohol and drugs, tobacco, consumer health, food and nutrition, human sexuality and life cycles, infectious (AIDS, etc.), and non infectious diseases, medical self help, and systems of the body. Health education is a graduation requirement.**Required Reading:** Current Health 2 magazine (monthly).**Required Projects:** 3 – 5 page typed research paper on a student picked topic. Each student will be required to do a 4-minute oral presentation for the class discussing their topic, utilizing a form of technology. Current Events and Journal writings may also be assigned.**Other Specific Course Requirements:** None**Grades Based On:** Homework, tests, research paper, and oral presentations.**HIGHWAY SAFETY (1063)****One Semester 5Pds/Wk .5 Credit Grades 10, 11,12****Pathway:** Health and Social Services**Prerequisites:** None**Course Description:** The Highway Safety Education course is committed to teaching young men and women how to drive knowledgeably, courteously, and above all, safely. The theory or classroom instruction consists of 30 hours and will include: defensive driving techniques, driving skills, PA traffic and DUI laws and driving responsibilities. Instruction will also include specific truck and motorcycle laws and regulations. Emphasis will be placed upon Pennsylvania's DUI regulations and the Pennsylvania Enhanced Driver education Program Manual. Specific instruction will include Module 11, "The Decision Making Process." Professional resource personnel from the Pennsylvania State Police, Insurance profession, and the Coroner's Office will be utilized to enhance awareness, complement, and reinforce traffic safety. Additionally, safety assemblies and films will be scheduled to promote traffic safety awareness.**Required Reading:** "PA Drivers Manual".**Required Projects:** None**Other Specific Course Requirements:** None**Grades Based On:** Homework and tests.

DRIVER EDUCATION (ROAD TRAINING)

6 Hours

Pathway: Health and Social Services

Prerequisites: Valid PA. Learner's Permit.

Course Description: Behind the wheel instruction is offered after school, and during the summer to all students of Somerset Area High School, provided they have a valid PA Learner's permit or Valid PA Driver's License. A fee is charged for this service. All students will have a minimum of six hours behind the wheel and six hours of observation. Note: Students do not select this course during scheduling. Arrangements for road training are made directly with the driver education instructor.

TECHNOLOGY EDUCATION

WOOD TECHNOLOGY I (9070)

Semester Course **5 Pds/Wk.** **.5 Credits** **Grade 8, 9**

Pathway: Engineering, Science, and Technology

Prerequisites: Must have completed or be enrolled in Exploring Wood Technology

Course Description: The students are instructed in the basic safety habits, use, care, and maintenance of woodworking hand tools and machines. Finishing materials and their use are discussed and demonstrated. The identification of various kinds of lumber is presented to the students. Processes and products related to woodworking are demonstrated and illustrated. Introduction of print reading and making sketches is introduced.

Required Reading: Textbook, "Working With Wood", by Gilbert Hutchings, Eugene Martin, and Mario Coleman.

Required Projects: A teacher assigned project to determine ability and interest of the student.

Other Specific Course Requirements: Dress code and the ability to follow all safety rules. The understanding completion of safety test is required before using stationary machines

Grades Based On: Tests, safety projects accuracy and general work habits.

WOOD TECHNOLOGY II (9071)

One Semester **5 Pds/Wk** **.5 Credit** **Grade 9**

Pathway: Engineering, Science, and Technology

Prerequisites: Completed Wood Tech I

Course Description: Wood Technology II is an elective course designed for 9th grade students. This course is more aggressive in the use of power and stationary equipment. Students will be required to use the knowledge and skills acquired from Exploring Wood Technology and/or Wood Tech I. This course is designed to prepare the student for a more challenging course offered in the Senior High.

Required Reading: Textbook, "Working With Wood", by Gilbert Hutchings, Eugene Martin, and Mario Coleman.

Required Projects: Two classroom project will be assigned. Students will then work independently to complete a project of their own.

Other Specific Course Requirements: Dress code and the ability to follow all safety rules. The understanding completion of safety tests is required before using stationary machines

CADD I (1171)

Dual Enrolled Course, 3 credits

Year Long Course **5 Pds/Wk.** **1 Credit** **Grades 9, 10, 11, 12**

Pathway: Engineering, Science, and Technology

Prerequisites: None

Course Description: This course covers basic computer, Technical Drawing, and CADD terminology, basic entity creation and modification using AutoCAD Software, all of which are used to produce geometric figures. Students learn to use and control accuracy enhancement tools, use geometric and non-geometric editing commands, control coordinates, display scale, and use layering techniques. Optionally, this Course is available for three College credits through the Penn Highlands Community College "ACE" program, for students who receive an A, B, or C final grade, and are in grades 9-12. More information is available at:

<http://www.pennhighlands.edu/ace/>

Required Reading: Wohlers, Terry T.

Applying AutoCAD 2011

(Glencoe, McGraw-Hill, 2010)

Required Projects: CADD drawings, Individual and group projects.

Other Specific Course Requirements: Participation and presentations.

Grades Based On: Class work, drawings, tests, class participation and projects.

CADD II (1172)**Year Long Course 5 Pds/Wk. 1 Credit Grades 10, 11, 12****Pathway: Engineering, Science, and Technology****Prerequisites:** CADD I

This course investigates the use of computer software and hardware as applied to mechanical design and drafting. Students will manipulate basic geometric entities in order to create 2D and 3D models using AutoCAD and Inventor software. Experiences dealing with dimensioning, surfaces and planes will also be explored. Students are also introduced to Computer Aided Manufacturing "CAM" with training to operate a CNC router, laser engraver, and a 3D printer. Machine specific projects are required to be completed by each student.

Required Reading: Applying AutoCAD 2011
 Learning Inventor 10
 Designing with Inventor 10**Required Projects:** CADD drawings, Inventor Drawings, CNC Router Projects, Epilog Laser Projects, 3D Printer projects, and CO2 Cars.**Other Specific Course Requirements:** Participation and presentations.**Grades Based On:** Class work, drawings, tests, class participation and projects.**WOOD TECHNOLOGY III (9072)****Year Long Course 5 Pds/Wk. 1 Credit Grades 10, 11, 12****Pathway:** Engineering, Science, and Technology**Prerequisites:** Must have successfully completed Wood Technology II

Course Description: Wood Technology III is an elective course specifically designed for senior high students considering a vocational career. Any student interested in enhancing his/her knowledge of the lumber industry may select this course. Students will be required to use the knowledge and skills acquired from Wood Technology I & II. This course is designed for the student that wishes to challenge a more advanced skill level. Students will also learn the basic operation of a CNC Router, Laser Engraver and AutoCAD basics.

Required Reading: Textbook, "Working With Wood", by Gilbert Hutchings, Eugene Martin, and Mario Coleman.**Required Projects:** Four or five classroom activities selected by the instructor and one activity selected by each student.**Other Specific Course Requirements:** Safety dress code and safety glasses.**WOOD TECHNOLOGY IV (9073)****Year Long Course 5 Pds/Wk. 1 Credit Grades 11, 12****Pathway:** Engineering, Science, and Technology**Prerequisites:** Must have successfully completed Wood Technology III

Course Description: Wood Technology IV is an elective course specifically designed for senior high students considering a vocational career. Any student interested in enhancing his/her knowledge of the lumber industry may select this course. Students will be required to use the knowledge and skills acquired from Wood Technology III. This course is designed for the student that wishes to challenge a more advanced skill level. Students will also learn the basic operation of a CNC Router, Laser Engraver and AutoCAD basics.

Required Reading: Textbook, "Working With Wood", by Gilbert Hutchings, Eugene Martin, and Mario Coleman.**Required Projects:** Four or five classroom activities selected by the instructor and one activity selected by each student.**Other Specific Course Requirements:** Safety dress code and safety glasses.

ADVANCED WOOD TECHNOLOGY (1174)**Year Long Course 5 Pds./Wk. 1 Credits Grades 11, 12****Pathway: Engineering, Science, and Technology****Prerequisites:** Must have successfully completed Woodshop III, IV and should have Technical Drawing.**Course Description:** The students are instructed in the basic safety habits, use, care, and maintenance and the skilled use of the hand tools and machines. Advance finishing methods are demonstrated and used. Woodworking processes and products related to skilled project construction are introduced and used. Working drawings and project sketches are used extensively. Advanced Woodworking students are expected to be more skillful in craftsmanship and have a greater knowledge of the subject matter. Students will also learn the basic operation of a CNC Router, Laser Engraver and AutoCAD basics.**Required Reading:** None**Required Projects:** Select a project and provide complete set of plans to be approved by instructor.**Other Specific Course Requirements:** Provide material or pay for school provided material.**Grades Based On:** Productivity, safety, accuracy, cooperation and general conduct.**INTRODUCTION TO MANUFACTURING (1373)****One Semester Course 5 Pds./Wk. .5 Credit Grades 9, 10, 11, 12****Pathway: Engineering, Science, and Technology****Course Description:** The class begins with an introduction to manufacturing technology technical systems, and a look at the historical evolution of manufacturing. Students will examine the organization and management of manufacturing endeavors. Students will explore the various aspects of research and development of a product. Students will participate in the design of a product in a manufacturing enterprise situation which closely parallels the functions of a manufacturing corporation. Students will learn the basic operation of a CNC Router, Laser Engraver and AutoCAD basics. Student projects will have a requirement that they will need to include specific operations including but not limited to the CNC router, laser engraver, and screen printing.**Grades Based On:** Homework, tests, projects, classroom participation**ENGINEERING AND PRODUCT DESIGN (9087)****One Semester Course 5 Pds./Wk. .5 Credit Grades 10, 11, 12****Pathway: Engineering, Science, and Technology****Prerequisites:** None**Course Description:** Students will develop a basic understanding of a variety of topics within the Engineering field. Including, basic electrical circuits, CNC Router programming and operation, Epilog Laser operation and control. Through laboratory activities, students will be designing electrical circuits, and will be operating a variety of computer controlled machines. This course will be enjoyable for any student with an interest in any of the many fields of engineering.**Required Reading:** Handouts, no text required**Required Projects:** L.E.D. illuminated Eagle Head plaque**Grades Based On:** Homework, tests, projects, classroom participation**DESIGNING, ENGINEERING AND BUILDING (9086)****One Semester Course 5 Pds./Wk. .5 Credit Grades 9, 10, 11, 12****Pathway: Engineering, Science, and Technology****Course Description:** this course focuses on developing a basic understanding of design and appropriate technology. Students engage in activities to develop, produce, test and analyze technological systems while assessing the multiple interactions between such systems and their impact on peoples' societies, values, economics, environments and basic human needs. Students will also learn some Auto CAD, and laser engraver, basics to aid them in the construction of various projects for lab testing.**Required Reading:** Handouts, no text required**Required Projects:** Complete all labs**Grades Based On:** Homework, tests, projects, classroom participation

BUSINESS, COMPUTERS, AND INFORMATION TECHNOLOGY

COMPUTER APPLICATIONS (1365)

One Semester **5 Pds/Wk** **.5 credit** **Grade 9**

Pathway: Business and Finance

Prerequisites: None

Course Description: Students will learn to demonstrate their understanding of word processing, spreadsheets, and presentation software at the introductory level. This is a graduation requirement for all students.

Grades Based On: Class work, chapter questions, theory and hands-on tests. Attendance is very important since all assignments must be completed during class.

ACCOUNTING (1066)

Dual Enrolled Course, 3 credits

Year Long Course **5 Pds/Wk** **1 credit** **Grades 10-12**

Pathway: Business and Finance

Prerequisites: None

Course Description: This course is recommended for students pursuing post-secondary studies in accounting, business management, and administration. Emphasis is placed on the accounting functions of businesses organized as sole proprietorships, partnerships, and corporations.

Grades Based On: On-line problems, study guides, vocabulary, chapter tests, and unit tests.

PERSONAL FINANCE (1067)

One Semester **5 Pds/Wk** **.5 credit** **Grades 10-12**

Pathway: Business and Finance

Prerequisites: None

Course Description: Students will be exposed to money management, consumer purchasing strategies, banking, consumer credit, finances of housing, fundamentals of insurance, retirement, and estate planning. Some material may be duplicated in "On Your Own" in FACS department; it is recommended that students not take both courses.

Grades Based On: Study guides, projects, problems, and tests.

PROGRAMMING (1068)

One Semester **5 Pds/Wk** **.5 credit** **Grades 10-12**

Pathway: Business and Finance

Prerequisites: Computer Applications (75% or higher)

Course Description: The course introduces students to Visual Basic, C++, HTML, JavaScript, and Java programming languages. Students will also learn to use the 3-D World of Alice.

Grades Based On: Quizzes, tests, homework, projects, and study guides

ADV. WORD/ADV. EXCEL (1083)

One Semester **5 Pds/Wk** **.5 credit** **Grades 10-12**

Pathway: Business and Finance

Prerequisites: Computer Applications (75% or higher)

Course Description: Expand your Word and Excel skills. Create tables, illustrate documents with graphics, work with themes and building blocks, and merge documents using Word 2007. Use Excel to analyze data using formulas, manage worksheet data, and analyze table data. Then integrate Word, Excel, and PowerPoint to complete a simulation.

Grades Based On: applications, projects, study guides, tests, and homework

Grading Scale: A 90%-100%, B 80%-89%, C 70%-79%, D 60%-69%

DESIGNING WEBPAGES WITH MACROMEDIA DREAMWEAVER (1370)

One Semester **5 Pds/Week** **.5 credit** **Grades 10-12**

Pathway: Business and Finance

Prerequisites: None

Course Description: Students will use Dreamweaver to create basic Web pages and also gain an understanding of the HTML language. All aspects of a good Web site will be discussed including: planning and developing effective pages, proper graphic implementation, and publishing of the site. All assignments will be completed during class time.

Grades Based On: Chapter exercises, study guides, tests, and a variety of Web page projects.

PHOTOSHOP (9078)**One Semester 5 Pds/Wk .5 credit Grades 9-12****Pathway: Business and Finance****Prerequisites:** None**Course Description:** Experience the role of a graphic designer by developing your creative graphic skills using Adobe Photoshop. You will work with drawing and selecting tools, correcting and modifying images, and utilizing advanced image techniques. Have fun editing your own photographs, creating ads, collages, magazine covers, and much more.**Grades Based On:** Applications, projects, study guides, tests, and homework**BUSINESS LAW (1082)****One Semester 5 Pds/Wk .5 credit Grades 10-12****Pathway: Business and Finance****Prerequisites:** None**Course Description:** Several areas of law will be explored and discussed: criminal, civil, tort, family, contract, property, and employment law. Students will understand their rights and responsibilities as a citizen and as an individual entering the workforce.**Grades Based On:** Case problems, internet projects, homework, study guides, and tests.**OFFICE MANAGEMENT (1268)****One Semester 5 Pds/Wk .5 credit Grades 10-12****Pathway:** Business and Finance**Prerequisites:** Computer Applications**Course Description:** This course will acquaint students with basic business office skills needed by office assistants and management personnel as well. Topics to be covered include the handling of business correspondence, preparation of presentations, monitoring finances, preparing for meetings and travel, maintaining office records, processing mail, responding to telephone and electronic communication, and interacting with others in the workplace.**Grades Based On:** Projects, homework, study guides, and tests.**BUSINESS MANAGEMENT (1074)****One Semester 5 Pds/Wk .5 credit Grades 10-12****Pathway: Business and Finance****Prerequisites:** None**Course Description:** Business Management is designed to provide an understanding of how business organizations work and are managed – their goals, strategies, structures, technologies, environments, and the motivations and interests of the people involved. Students will prepare a business plan, take part in an online Virtual Team Challenge and also learn all the components necessary to start and run a distribution warehouse using Virtual Business Software.**Grades Based On:** Quizzes, tests, study guides, homework, and projects**SPORTS AND ENTERTAINMENT MARKETING (1077)****One Semester 5 Pds/Wk .5 credit Grades 10-12****Pathway: Business and Finance****Prerequisites:** None**Course Description:** Students will learn marketing skills related to business, sports, and entertainment industries. Topics to be covered include selling, promotion, distribution, pricing, marketing information management, product and service management, entrepreneurship and finance, as well as possible marketing careers. Additionally, students will take part in a virtual business (sports) simulation where they will learn how to run a business utilizing marketing skills.**Grades Based On:** Projects, study guides, homework, quizzes, and tests.**ILLUSTRATOR (1078)****One Semester 5 Pds/Wk .5 credit Grades 8-12****Pathway:** Arts and Communication**Prerequisite:** None.**Course Description:** Adobe Illustrator is an elective course for students who enjoy drawing and illustrating using computer software. Illustrator is used by graphic designers to prepare marketing materials and informational Illustrations. Students will work with the basic graphic tools; paths and layers; and color, effects, and styles to create ads, logos, program covers, etc.**Grades Based On:** applications, projects, study guides, tests, and homework.**Grading Scale:** A 90%-100%, B 80%-89%, C 70%-79%, D 60%-69%

InDESIGN (1084)**One Semester 5 Pds/Wk .5 credit Grades 8-12****Pathway:** Arts and Communication**Prerequisite:** None**Course Description:** Adobe InDesign is a page layout application that allows you to create a wide variety of publications. Students will work with the basic layout tools; objects, colors, and masters; types and styles; tables and graphics; and assemble and print publications. These may include advertising flyers, informational brochures, business cards, newsletters, and more.**Grades Based On:** applications, projects, study guides, tests, and homework.**Grading Scale:** A 90%-100%, B 80%-89%, C 70%-79%, D 60%-69%**DIGITAL VIDEO PRODUCTION (1079)****One Semester 5 Pds/Wk .5 credit Grades 10-12****Pathway:** Business and Finance**Prerequisites:** None**Course Description:** This hands-on course introduces the basics of video production utilizing an HD camcorder and video editing equipment. Students will study video technologies, basic equipment operation, video composition, basic lighting and audio production planning, and visual storytelling. Students will work in groups to create video projects utilizing post-production editing software.**Grades Based On:** Projects, storyboards, class work, homework, and tests.

MATHEMATICS (ELECTIVES)

Students in grades 7-12 will be placed in the appropriate core math class based on the student's math data, which includes (but is not limited to) PSSA scores, 4Sight scores, and course grades.

HONORS PRECALCULUS (1130)**Year 5 Pds/Wk. 1 Credit Grades 10-12****Pathway:** Engineering, Science, and Technology**Prerequisites:** Completion of Honors Algebra 2 (Math 1030) with a grade of C or better (or instructor approval). In addition, placement in Honors Pre-Calc may be determined by test scores and teacher recommendation.**Course Description:** This course fulfills all of the requirements of the regular Pre-calculus course but moves along at a faster pace, goes into some concepts on a higher level and covers some additional topics.**Required Reading:** None**Required Projects:** None**Other Specific Course Requirements:** None**Grades Based On:** Tests, quizzes, graded assignments, group work, and homework.**STATISTICS (1134)****Year 5 Pds/Wk. 1 Credit Grades 10-12****Pathway:** Engineering, Science, and Technology**Prerequisites:** Completion of Math 1030 or 1034 with a grade of C or better (or instructor approval).**Course Description:** This course is an introduction to elementary statistics. Theory of concepts is not included and this course does not stress mathematical rigor. Topics include: Descriptive Statistics; Probability; Probability Distributions; Testing Hypotheses; Estimates and Sample Sizes; Interferences from Two Samples; Correlation and Regression; and Analysis of Variance.**Required Reading:** None**Required Projects:** At least two per year**Other Specific Course Requirements:** None**Grades Based On:** Tests, quizzes, projects, group work, and homework.

HONORS CALCULUS/ANALYTIC GEOMETRY (1230)**Year** **5 Pds/Wk.** **1 Credit** **Grades 11-12****Pathway: Engineering, Science, and Technology****Prerequisites:** **Completion of Math 1130** with a grade of C or better (or instructor approval). In addition, placement in Honors Calc may be determined by test scores and teacher recommendation.**Course Description:** This course presents most of the topics included in a first-semester college calculus course, but on a more intuitive level. Topics include: Limits and continuity, calculating and applying derivatives, calculating integrals, differentials and applications of integrals to solids of revolution. If students wish to experience the rigors of a solid college calculus course and gain a leg-up preparing them for college calculus then they should take honors calculus. Students will complete core topics and assignments then explore related enrichment topics that will allow use of various medias, more in depth problem solving and theory, and historical research. The main themes for calculus are to find the tangent line and to find the area under the curve.**Required Reading:** None**Required Projects:** Several throughout the year**Other Specific Course Requirements:** None**Grades Based On:** Tests, quizzes, group work, projects and homework.**ADVANCED PLACEMENT CALCULUS AB (1231)****Dual Enrolled Course, 3 credits**

Students in this class are required to take the Advanced Placement test, as scheduled, during this school year. Testing fees will be paid by the District.

Year **5 Pds/Wk.** **1 Credit** **Grade 12****Pathway: Engineering, Science, and Technology****Prerequisites:** Completion of Math 1230 with a grade of C or better (or instructor approval). In addition, placement in AP Calc maybe determined by test scores and teacher recommendation.**Course Description:** This course exceeds the requirements stated in the syllabus of the College Board's Advanced Placement Program for the Calculus AB examination. Topics include: Limits and Their Properties; Differentiation; Applications of Differentiation; Integration; Logarithmic, Exponential, and Other Transcendental Functions; Applications of Integration; Integration Techniques and L'Hopital's Rule. Also sequence p and Taylor series are covered. Students with an advanced math background will have an advantage when it comes to competing in the college arena. Students should always take calculus if they intend to major in a 4 year science program. The main themes for AP calculus are to expand on the idea to find the tangent line and to find the area under the curve.**Required Reading:** None**Required Projects:** None**Grades Based On:** Tests, quizzes, and homework.**ADVANCED PLACEMENT STATISTICS (1232)****Dual Enrolled Course, 3 credits**

Students in this class are required to take the Advanced Placement test, as scheduled, during this school year. Testing fees will be paid by the District.

Year **5 Pds/Wk.** **1 Credit** **Grade 12****Pathway: Engineering, Science, and Technology****Prerequisites:** Completion of Math 1134 with a grade of C or better (or instructor approval). In addition, placement in AP Stats maybe determined by test scores and teacher recommendation.**Course Description:** This curriculum for this course is the same as that defined in the syllabus of the College Board's Program for the Advanced Placement Statistics Examination. Students may also apply for credit for this course through California University of Pennsylvania.**Required Reading:** None**Required Projects:** None**Grades Based On:** Tests, quizzes, and homework.

PRECALCULUS (1235)**Year** **5 Pds/Wk.** **1 Credit** **Grade 10-12****Pathway: Engineering, Science, and Technology****Prerequisites:** Successful completion of **Algebra II (Math 1034), Algebra IIA (Math 1131), or Algebra IIB (Math 1132)****Course Information:** This course furthers the preparation of students in areas that are fundamental for the study of higher mathematics. Topics include: Trigonometric Functions; Analytic Trigonometry; Applications in Trigonometry; Exponential and Logarithmic Functions; Systems of Equations and Inequalities; Matrices and Determinants; Binomial Theorem; Mathematical Induction; Combinations, Permutations, and Probability; Polar Coordinates and Equations.**Required Reading:** None**Required Projects:** None**Other Specific Course Requirement:** None**Grades Based On:** Tests, quizzes, graded assignments, group work, and homework.**HONORS GEOMETRY (9030)****Year** **5 Pds/Wk.** **1 Credit** **Grades 8-9****Prerequisites:** Completion of Math 8030 with a grade of C or better. In addition, placement in Honors Geometry may be determined by test scores and teacher recommendation.**Course Description:** This course is geared toward developing an understanding of core geometry concepts for one full year including plane geometry, properties of parallel and perpendicular lines, congruent triangles and relationships within triangles, quadrilaterals, applications of right triangles and area and volume of 2 and 3 dimensional figures. There are also some additional topics which are covered such as logic, and developing theorems for areas and volumes, and coordinate geometry.**Required Reading:** None**Required Projects:** Each student is required to complete one project during the year which counts as one test grade.**Other Specific Course Requirements:** None**Grades Based On:** Tests, quizzes and homework.**HONORS ALGEBRA II (1030)****Year** **5 Pds/Wk.** **1 Credit** **Grades 8-11****Prerequisites:** Completion of Math 8030 and 9030 with a grade of B or better (or concurrent scheduling of Honors Geometry). In addition, placement in Honors Algebra II may be determined by test scores and teacher recommendation.**Course Description:** This course fulfills all of the topics of the regular Algebra II course but moves along at a faster pace, goes into some concepts on an advanced thinking level, and covers additional sections. Tests and quizzes are more challenging. Homework grading is more rigid as well.**Required Reading:** None**Required Projects:** None**Other Specific Course Requirements:** TI 83 or 84 plus graphing calculator; higher grade calculators (TI 89, TI-Nspire CAS) will not be allowed for tests and quizzes**Grades Based On:** Tests, quizzes and homework.

MUSIC

BAND ONLY (1055)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grades 9,10, 11, 12**

Pathway: Arts and Communication

Prerequisites: At least one year of participation in Middle School Band and successful completion of Standard of Excellence, Book 3 or equivalent (requirements waived at the discretion of the course instructor).

Course Description: *By selecting this course, students will only participate in Band during the assigned musical ensemble period.* Senior High Band includes participants in grades 9, 10, 11, & 12. The band rehearses as a scheduled class for 1 period daily. In addition, music lessons in small groups are scheduled on a pull-out rotation for 1 period weekly to ensure that the proper technique on each specific instrument is learned. The band prepares for concerts that may include Pep Assemblies, Patriotic, Christmas, Spring, and Small Ensemble performances for the school and/or public. Public performances are held in the evenings while school assemblies, lessons and rehearsals are during school time.

Required Reading: Method books used during this course: Rubank Intermediate Method; Rubank Advanced Method, Books 1 & 2.

Required Projects: Projects may be assigned by the course instructor to supplement the musical learning in Senior High Band. Specific details will be given at the assignment of each project.

Other Specific Course Requirements: Attendance at all performances is mandatory and the points assigned to each performance cannot be made-up for any reason. This is a performance-based course.

Grades Based On: Grades in Senior High Band will be based on the following: attendance at weekly group lessons, participation at performances (mandatory), performance-based and written examinations, as well as various other assignments or projects as required by school guidelines or as assigned by the course instructor.

ORCHESTRA ONLY (1056)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 9, 10, 11, 12**

Pathway: Arts and Communication

Prerequisites: Permission from the Orchestra director for both string and wind instruments.

Course Description: *By selecting this course, students will only participate in Orchestra during the assigned musical ensemble period.* Senior High Orchestra is a musical ensemble comprised of string students and selected wind and percussion students. This ensemble gives participants the opportunity to perform orchestral literature of all styles and time periods.

Required Reading: Practicing music from orchestra folders and lesson books.

Required Projects: At least two concerts per year and also participation in the Commencement Orchestra.

Other Specific Course Requirements: Members must attend all performances except in cases of extreme emergency.

Grades Based On: Strings: Playing (50%), Lesson Attendance (25%), Test or Practice (25%).

Winds: Playing (50%), Participation (25%), Test or Practice (25%).

CHORUS ONLY (1057)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 9, 10, 11, or 12**

Pathway: Arts and Communication

Prerequisites: Selection is approved by director.

Course Description: *By selecting this course, students will only participate in Chorus during the assigned musical ensemble period.* This co-curricular elective music organization requires a commitment to vocal performing and music education. The repertoire includes both secular and sacred music from all periods of music, history, and languages.

Required Reading: None

Required Projects: Participation in a minimum of one performance plus 80% of rehearsal attendance per semester.

Other Specific Course Requirements: Possible festival participation and sectional scheduling.

Grades Based On: Rehearsal attendance (80% minimum), classroom participation, and performance attendance.

Grading Scale: Letter grade per nine weeks.

BAND/CHORUS (1155)**Year Long Course****5 Pds/Wk.****1 Credit****Grades 9, 10, 11, 12****Pathway:** Arts and Communication

Prerequisites: BAND: At least one year of participation in Middle School Band and successful completion of Standard of Excellence, Book 3 or equivalent (requirements waived at the discretion of the course instructor). CHORUS: Selection is approved by director.

Course Description: *By selecting this course, students will participate in both Band and Chorus during the assigned musical ensemble period. There will be a rotation schedule given out at the beginning of the school year.* BAND: Senior High Band includes participants in grades 9, 10, 11, & 12.

The band rehearses as a scheduled class for 1 period daily. In addition, music lessons in small groups are scheduled on a pull-out rotation for 1 period weekly to ensure that the proper technique on each specific instrument is learned. The band prepares for concerts that may include Pep Assemblies, Patriotic, Christmas, Spring, and Small Ensemble performances for the school and/or public. Public performances are held in the evenings while school assemblies, lessons and rehearsals are during school time. CHORUS: This co-curricular elective music organization requires a commitment to vocal performing and music education. The repertoire includes both secular and sacred music from all periods of music, history, and languages.

Required Reading: BAND: Method books used during this course: Rubank Intermediate Method; Rubank Advanced Method, Books 1 & 2. CHORUS: None.

Required Projects: BAND: Projects may be assigned by the course instructor to supplement the musical learning in Senior High Band. Specific details will be given at the assignment of each project. CHORUS: Participation in a minimum of one performance plus 80% of rehearsal attendance per semester.

Other Specific Course Requirements: BAND: Attendance at all performances is mandatory and the points assigned to each performance cannot be made-up for any reason. This is a performance-based course. CHORUS: Possible festival participation and sectional scheduling.

Grades Based On: BAND: Grades in Senior High Band will be based on the following: attendance at weekly group lessons, participation at performances (mandatory), performance-based and written examinations, as well as various other assignments or projects as required by school guidelines or as assigned by the course instructor. CHORUS: Rehearsal attendance (80% minimum), classroom participation, and performance attendance.

BAND/ORCHESTRA (1156)**Year Long Course****5 Pds/Wk.****1 Credit****Grades 9, 10, 11, 12****Pathway:** Arts and Communication

Prerequisites: BAND: At least one year of participation in Middle School Band and successful completion of Standard of Excellence, Book 3 or equivalent (requirements waived at the discretion of the course instructor). ORCHESTRA: Permission from the Orchestra director for both string and wind instruments.

Course Description: *By selecting this course, students will participate in both Band and Orchestra during the assigned musical ensemble period. There will be a rotation schedule given out at the beginning of the school year.* BAND: Senior High Band includes participants in grades 9, 10, 11, & 12.

The band rehearses as a scheduled class for 1 period daily. In addition, music lessons in small groups are scheduled on a pull-out rotation for 1 period weekly to ensure that the proper technique on each specific instrument is learned. The band prepares for concerts that may include Pep Assemblies, Patriotic, Christmas, Spring, and Small Ensemble performances for the school and/or public. Public performances are held in the evenings while school assemblies, lessons and rehearsals are during school time. ORCHESTRA: Senior High Orchestra is a musical ensemble comprised of string students and selected wind and percussion students. This ensemble gives participants the opportunity to perform orchestral literature of all styles and time periods.

Required Reading: BAND: Method books used during this course: Rubank Intermediate Method; Rubank Advanced Method, Books 1 & 2. ORCHESTRA: Practicing music from orchestra folders and lesson books.

Required Projects: BAND: Projects may be assigned by the course instructor to supplement the musical learning in Senior High Band. Specific details will be given at the assignment of each project. ORCHESTRA: At least two concerts per year and also participation in the Commencement Orchestra.

Other Specific Course Requirements: BAND: Attendance at all performances is mandatory and the points assigned to each performance cannot be made-up for any reason. This is a performance-based course. ORCHESTRA: Members must attend all performances except in cases of extreme emergency.

Grades Based On: BAND: Grades in Senior High Band will be based on the following: attendance at weekly group lessons, participation at performances (mandatory), performance-based and written examinations, as well as various other assignments or projects as required by school guidelines or as assigned by the course instructor. ORCHESTRA: Playing (50%), Lesson Attendance (25%), Test or Practice (25%). Winds: Playing (50%), Participation (25%), Test or Practice (25%).

CHORUS/ORCHESTRA (1157)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 9, 10, 11, or 12**

Pathway: Arts and Communication

Prerequisites: CHORUS: Selection is approved by director. ORCHESTRA: Permission from the Orchestra director for both string and wind instruments.

Course Description: *By selecting this course, students will participate in both Chorus and Orchestra during the assigned musical ensemble period. There will be a rotation schedule given out at the beginning of the school year.* CHORUS: This co-curricular elective music organization requires a commitment to vocal performing and music education. The repertoire includes both secular and sacred music from all periods of music, history, and languages. ORCHESTRA: Senior High Orchestra is a musical ensemble comprised of string students and selected wind and percussion students. This ensemble gives participants the opportunity to perform orchestral literature of all styles and time periods.

Required Reading: CHORUS: None. ORCHESTRA: Practicing music from orchestra folders and lesson books.

Required Projects: CHORUS: Participation in a minimum of one performance plus 80% of rehearsal attendance per semester. ORCHESTRA: At least two concerts per year and also participation in the Commencement Orchestra.

Other Specific Course Requirements: CHORUS: Possible festival participation and sectional scheduling. ORCHESTRA: Members must attend all performances except in cases of extreme emergency.

Grades Based On: CHORUS: Rehearsal attendance (80% minimum), classroom participation, and performance attendance. ORCHESTRA:

Grading Scale: CHORUS: Letter grade per nine weeks. ORCHESTRA: Playing (50%), Lesson Attendance (25%), Test or Practice (25%). Winds: Playing (50%), Participation (25%), Test or Practice (25%).

BAND/CHORUS/ORCHESTRA (1255)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grades 9, 10, 11, 12**

Pathway: Arts and Communication

Prerequisites: BAND: At least one year of participation in Middle School Band and successful completion of Standard of Excellence, Book 3 or equivalent (requirements waived at the discretion of the course instructor). CHORUS: Selection is approved by director. ORCHESTRA:

Course Description: *By selecting this course, students will participate in Band, Chorus, and Orchestra during the assigned musical ensemble period. There will be a rotation schedule given out at the beginning of the school year.* BAND: Senior High Band includes participants in grades 9, 10, 11, & 12. The band rehearses as a scheduled class for 1 period daily. In addition, music lessons in small groups are scheduled on a pull-out rotation for 1 period weekly to ensure that the proper technique on each specific instrument is learned. The band prepares for concerts that may include Pep Assemblies, Patriotic, Christmas, Spring, and Small Ensemble performances for the school and/or public. Public performances are held in the evenings while school assemblies, lessons and rehearsals are during school time. CHORUS: This co-curricular elective music organization requires a commitment to vocal performing and music education. The repertoire includes both secular and sacred music from all periods of music, history, and languages. ORCHESTRA: Senior High Orchestra is a musical ensemble comprised of string students and selected wind and percussion students. This ensemble gives participants the opportunity to perform orchestral literature of all styles and time periods.

Required Reading: BAND: Method books used during this course: Rubank Intermediate Method; Rubank Advanced Method, Books 1 & 2. CHORUS: None. ORCHESTRA: Practicing music from orchestra folders and lesson books.

Required Projects: BAND: Projects may be assigned by the course instructor to supplement the musical learning in Senior High Band. Specific details will be given at the assignment of each project. CHORUS: Participation in a minimum of one performance plus 80% of rehearsal attendance per semester. ORCHESTRA: At least two concerts per year and also participation in the Commencement Orchestra.

Other Specific Course Requirements: BAND: Attendance at all performances is mandatory and the points assigned to each performance cannot be made-up for any reason. This is a performance-based course. CHORUS: Possible festival participation and sectional scheduling. ORCHESTRA: Members must attend all performances except in cases of extreme emergency.

Grades Based On: BAND: Grades in Senior High Band will be based on the following: attendance at weekly group lessons, participation at performances (mandatory), performance-based and written examinations, as well as various other assignments or projects as required by school guidelines or as assigned by the course instructor. CHORUS: Rehearsal attendance (80% minimum), classroom participation, and performance attendance. ORCHESTRA: Playing (50%), Lesson Attendance (25%), Test or Practice (25%). Winds: Playing (50%), Participation (25%), Test or Practice (25%).

JAZZ BAND (1355)**Year Long Course** **5 Pds/Wk.** **1 Credit** **Grades 9, 10, 11, 12****Pathway:** Arts and Communications**Prerequisites:** Each student must complete an audition during the year prior to joining Senior High Jazz Band. Membership will be based on the audition and the course instructor's recommendation.**Course Description:** Jazz Band is a musical ensemble employing saxophones, trombones, trumpets, keyboard and rhythm instrumentalists to study and perform jazz related music. Students will be afforded the opportunity to develop improvisational skills in addition to developing greater proficiency on their instruments.**Required Reading:** "Various Method Books, For Instrumental Music", Jamey Abersole, "Method for Jazz Improvization" and "Jazz Conception" by Jim Sniders.**Required Projects:** Projects may be assigned by the course instructor to supplement the musical learning in Senior High Band. Specific details will be given at the assignment of each project.**Other Specific Course Requirements:** Attendance at all performances is mandatory and the points assigned to each performance cannot be made-up for any reason. This is a performance-based course.**Grades Based On:** Grades in Senior High Jazz Band will be based on the following: participation at performances (mandatory), performance-based and written examinations, as well as various other assignments or projects as required by school guidelines or as assigned by the course instructor.**MUSICAL THEATER (1357)****One Semester Course** **5 Pds/Wk.** **.5 Credit** **Grades 9, 10, 11, 12****Pathway:** Arts and communication**Prerequisites:** None**Course Description:** Musical Theater class is for students in grades 10 – 12 who are interested in the historical and performance aspect of Music Theater. We will study the following: storytelling, make-up, dance, how to audition, composers and staging. The class will attend a minimum of one professional performance per school year.**Required Reading:** None**Required Projects:** Actual performances.**Other Specific Course Requirements:** Attend one professional performance per year.**Grades Based On:** Homework, tests, projects and performance**CHORAL ENSEMBLE (1358)****Year Long Course** **5 Pds/Wk** **1 Credit** **Grades 9, 10, 11, 12****Pathway:** Arts and Communication**Prerequisites:** Audition**Course Description:** This ensemble will rehearse and perform choral and theater music suitable for a small group of 30 or less. Entrance is by audition only and the repertoire will be of medium to difficult in all styles such as a capella, jazz, sacred, and secular.**Other Specific Course Requirements:** Rehearsals and concerts**Grades Based On:** Participation and performance

LAB BIOLOGY (1021)**Year Long Course** **7 Pds/Wk.** **1.4 Credits** **Grades 10, 11, 12****Pathway: Engineering, Science and Technology****Prerequisites:** "C" or better in 9th grade Physical Science and after completion of Algebra I with a "C" or better.**Course Description:** This is a survey course in biology designed to prepare the student for college. Basic biological and laboratory techniques are presented with emphasis on cell, genetics, botany, natural selection, ecology and zoology.**Required Reading:** Textbook**Required Projects:** Genetic disease project and written lab reports.**Other Specific Course Requirements:** None**Grades Based On:** Tests, quizzes, projects, written lab reports, written assignments, lab work completed in class (ex. microscope drawings)**GENERAL BIOLOGY (1022)****Year Long Course** **5 Pds/Wk.** **1 Credit** **Grade 10****Pathway: Engineering, Science and Technology****Prerequisites:** None**Course Description:** This course is designed for those students who are uncertain if they want to pursue a post secondary educational career. Basic biological principles and concepts will be introduced, while integrating some practical laboratory and hands-on activities. Students will develop critical thinking, reading, and writing skills while they explore the biological world around them.**Required Reading:** Textbook, special assignments using science and biotechnology magazines.**Required Projects:** Reader Response Journal entries, occasional 9 week projects.**Other Specific Course Requirements:** Biology notebook (binder).**Grades Based On:** Homework, quizzes, tests, classroom participation (notebook), labs, journal and projects.**HONORS CHEMISTRY (1120)****Year Long Course** **7 Pds/Wk.** **1.4 Credits** **Grades 10, 11, 12****Pathway: Engineering, Science and Technology****Prerequisites:** Completion of Geometry and Lab Biology and meet honors criteria.**Course Description:** This course is similar to Chemistry I, but with an increased emphasis on problem solving and critical thinking. This course also includes "open ended" laboratory work.**Required Reading:** various online articles.**Required Projects:** Research paper.**Other Specific Course Requirements:** Lab reports and oral presentation.**Grades Based On:** Exams/Quizzes – 50%, Labs – 40%, Homework – 10%**CHEMISTRY-CP (1121)****Year Long Course** **7 Pds/Wk.** **1.4 Credits** **Grades 10, 11, 12****Pathway: Engineering, Science and Technology****Prerequisites:** Completion of Algebra I and Lab Biology with a "C" average.**Course Description:** This is a college preparatory course designed for college bound students. Topics covered include atomic structure, Quantum Theory, chemical reactions, stoichiometry, and gas laws. This class will closely parallel a first semester college Chemistry course.**Required Reading:** various online articles**Required Projects:** None**Other Specific Course Requirements:** Lab reports and oral presentation.**Grades Based On:** Exams/quizzes–50%, Labs–40%, Homework–10%

GENERAL CHEMISTRY (1123)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grades 11, 12**

Pathway: Engineering, Science and Technology

Prerequisites: "C" or better in 10th grade math course.

Course Description: Similar to Chemistry CP (1121) but with less quantitative analysis.

Required Reading: None

Required Projects: None

Other Specific Course Requirements: None

Grades Based On: Tests, homework, lab reports and projects.

HONORS ADVANCED CHEMISTRY (1220)

Dual Enrolled Course, 4 credits

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 12**

Pathway: Engineering, Science and Technology

Prerequisites: Chemistry

Course Description: A second year chemistry class that explores topics such as gas stoichiometry, solution concentrations and colligative properties, thermodynamics, and organic chemistry. An emphasis is placed on problem solving and independent laboratory work.

Required Reading: Textbook and pertinent current events articles.

Required Projects: None

Other Specific Course Requirements: None

Grades Based On: Exams-50%, Labs-40%, & Homework-10%

HONORS PHYSICS (1221)

Dual Enrolled Course, 4 credits

Year Long Course **7 Pds/Wk** **1.4 Credits** **Grades 11,12**

Pathway: Engineering, Science and Technology

Prerequisites: A grade of "B" or better in Honors Algebra 2, Honors Geometry, Honors Pre Calc., and Honors Chemistry, (Honors Pre Calc and Honors Chemistry may be concurrent) and meet honors criteria.

Course Description: This course will take a vigorous look at the theories of Physics. This course will be aimed at those students who will be pursuing a career in a technical field such as Engineering or one of the pure sciences. This course will depend heavily on math skills, and be taught at a college level and speed.

Required Reading: None

Required Projects: Egg Launch Project

Other Specific Course Requirements: None

Grades Based On: Exams, homework and lab reports.

AP BIOLOGY (1225)

Dual Enrolled Course, 4 Credits **Prerequisite is Biology 101 from Honors Lab Biology**

Year long course **7 pds/week** **1.4 credits** **Grades 11, 12**

Students in this class are required to take the Advanced Placement test, as scheduled, during this school year. Testing fees will be paid by the District.

Pathway: Engineering, Science and Technology

Prerequisites: "B" or better in Honors Lab biology or Lab biology, and Lab chemistry is preferred

Course description: The AP Biology course is a year long course in biology designed to be the equivalent of a college introductory biology course usually taken by biology majors their first year of college. Primary emphasis in this course will be on developing and understanding concepts on cell structure, genetics, diversity and physiology of organisms, ecology and evolutionary relationships. This is a laboratory course in which students will understand science as a process.

Required projects: Completion of one scientific book, completion of the 12 required AP Biology labs, etc.

Grades based on: Tests, labs, written lab reports, class work and other written assignments.

PHYSICS-CP (1222)**Year Long Course 7 Pds/Wk. 1.4 Credits Grades 11,12****Pathway: Engineering, Science and Technology****Prerequisites:** A grade of "C" or better in Math 11 (1131) or higher level math, and previous science courses. (Math 11 and Chemistry may be concurrent)**Course Description:** This course will be intended for those students who will be attending college, but not majoring in a technical field. This course follows a logical development of major physics principles. The course begins with mechanics, the study of the fundamental aspects related to all physics. The major areas of physics: optics, electricity, and magnetism are then covered. Fundamental trigonometry and graphical analysis of motion are covered.**Required Reading:** None**Required Projects:** Egg Launch Project**Other Specific Course Requirements:** None**Grades Based On:** Exams, homework and lab reports.**HUMAN ANATOMY & PHYSIOLOGY (1223)****Dual Enrolled Course, 4 credits- ACM****Year Long Course 5 Pds/Wk 1 Credit Grade 11, 12****Pathway:** Engineering, Science and Technology**Prerequisite:** "B" or better in Lab Biology**Course Description:** This is a college preparatory course to equip the student for higher level sciences. It is designed for students who have an interest in the human body and it would be highly beneficial to those pursuing a field in biology or medicine/health. Topics include body regions, body tissues, tissue engineering & biotechnology, and further study into Integumentary, Skeletal, Muscular, and Nervous Systems using models and dissections. The course ends with a look at the "miracle of life" as students prepare a journal on fetal development.**Required Reading:** Textbook, assigned magazines and Internet sites.**Required Projects:** Labs, biotechnology project, dissections (brain, eye & fetal pig), fetal development journal.**Other Specific Course Requirements:** None**Grades Based On:** Tests, quizzes, labs, biotechnology presentation, and Lab Practicals.**FORENSIC SCIENCE (1227)****Dual Enrolled Course, 3 credits- St. Francis University****Year Long Course 5 Pds./Wk. 1 Credit Grades 11, 12****Pathway: Engineering, Science and Technology****Prerequisites:** Completion of lab biology with "B" or better, algebra I and chemistry concurrent**Course Description:** This is a hands-on science course with emphasis on the processing of crime scenes and solving case scenarios. Examples of laboratory experiences will include: serology, DNA, trace (hair, paint and fiber), anthropology, entomology, ballistics, etc. The second area of emphasis will be biotechnology such as DNA restriction analysis for DNA fingerprinting.**Required Projects:** development of a crime scene notebook, power point presentation on famous crime and science used to solve it**Grades Based On:** tests, lab reports, lab work, notebook and, presentations

SOCIAL STUDIES

HONORS CIVICS (9010)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 9**

Pathway: Arts and Communication

Prerequisites: Students should have a grade of an A in 8th grade American History. Students should show a **strong** interest in government.

Course Description: It is essential for the student to know the basic structure of his government and his or her role in it. If a democratic nation is to exist and to prosper, the role of the individual must be an active one, and the student of American government must be aware that, to a great extent, he sets national policy. It is therefore necessary that he or she be acquainted with the political facts of life beyond the organizational structure of government. Questions about influence and the ones who wield it, the reality of the power structure, the nature of representative government, and the role of public opinion must be analyzed.

Required Reading: Summer reading assignment.

Required Projects: (Example: "We The People" - Project Citizen Program). Various projects will be generated which emphasize the more complex and abstract mental levels. (Analysis, Synthesis and Evaluation). They will vary from year to year.

Other Specific Course Requirements: Students will prepare and present a five minute speech on a world leader.

Grades Based On: Total points.

CIVICS (9011)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 9**

Pathway: Arts and Communication

Prerequisites: None **Course Description:** This course is designed so students will learn about the founding, growth, structure and powers of American government at the national, state and local levels. In addition, students will learn about topics related to American government like citizenship, taxes, political ideologies, political parties, individual rights, civil rights and the US economic system.

Required Reading: Founding documents including the Declaration of Independence, the Articles of Confederation, the US Constitution and the Bill of Rights.

Required Projects: Unit Projects

Other Specific Course Requirements: Somerset County Courthouse Tour

Grades Based On: Total points.

HONORS WORLD HISTORY II (1010)

Year Long Course **5 Pds/Wk.** **1 Credit** **Grade 10**

Pathway: Arts and Communication

Prerequisites: Completion of Civics with a 3.5 grade point average; must achieve a minimum score at the 80th percentile on the reading comprehension section of the student's most recent standardized test; must complete a project during the summer prior to entering grade 10; should show strong interest in World History.

Course Description: Honors World History II surveys the historic, social, political, cultural, and economic development of the modern world generally beginning with the Industrial Revolution and ending with the current world situation.

Required Reading: Textbook: "Western Heritage" and other selected readings including Internet sources may be included.

Required Projects: Summer reading prior to the beginning of the course plus compulsory entering at least one essay contest and several out of class projects.

Other Specific Course Requirements: Must prepare and deliver a debate presentation.

Grades Based On: Total points compared to total possible points. Points are earned by completing work on: homework, quizzes, tests, classroom participation, and projects.

WORLD HISTORY II-CP (1012)**Year Long Course 5 Pds/Wk. 1 Credit Grade 10****Pathway: Arts and Communication****Prerequisites:** None**Course Description:** This is the required Social Studies course in 10th grade. World History II surveys the historical, social, political, cultural and economic development of the modern world, generally beginning with the Reformation and ending with the Cold War era. A strong emphasis is placed on map skills.**Required Reading: Textbook:** Modern World History – Patterns of Interaction.**Required Projects:** None**Other Specific Course Requirements:** None**Grades Based On:** Homework, tests, and classroom participation. Grades are determined by total points earned compared to total possible points.**WORLD HISTORY II (1014)****Year Long Course 5 Pds/Wk. 1 Credit Grade 10****Pathway: Arts and Communication****Prerequisites:** None**Course Description:** This is the required Social Studies course of 10th grade. World History II surveys the historic, social, political, cultural and economic development of the modern world generally beginning with the Industrial Revolution and ending with the current world situation. A strong emphasis is on map skills.**Required Reading: Textbook:** Modern World History – Patterns of Interaction.**Required Projects:** None**Other Specific Course Requirements:** None**Grades Based On:** Homework, tests, and classroom participation. Grades are determined by total points earned compared to total possible points**AP US HISTORY (1110)****Dual Enrolled Course, U.S. History 103 & 104, 6 credits**

Students in this class are required to take the Advanced Placement test, as scheduled, during this school year. Testing fees will be paid by the District.

Year Long Course 5 Pds/Wk. 1 Credit Grade 11**Pathway: Arts and Communication****Prerequisites:** Completion of World Cultures II with a grade of B or higher; must have a 3.0 overall grade point average; must achieve a minimum score at the 80th percentile on the reading comprehension section of the student's most recent standardized test; must complete a project during the summer prior to entering grade 11; should show strong interest in American History.**Course Description:** Comprehensive study of US History – starting 1600's through present. Concentration on factual information and learning to write standard as well as document based essay questions.**Required Reading:** Textbook, *The Narrative of the Life of Frederick Douglass, Rise to Rebellion*, Primary Source documents, and various other historical readings.**Required Projects:** Students will complete a summer reading assignment. Throughout the school year they will write several DBQs (Document Based Questions), participate in various role-play activities and complete various projects.**Other Specific Course Requirement:** Students will review for AP Exam by taking practice AP Exams and DBQs.**Grades Based On:** Quizzes, tests, classroom readings and discussion, document analysis, DBQ and FRQ essay assignments**Grading Scale:** Essays 1 – 9 scale - Objective tests (60% - passing)

AMERICAN HISTORY II-CP (1112)**Year Long Course 5 Pds/Wk. 1 Credit Grade 11****Pathway: Arts and Communication****Prerequisites:** None

Course Description: This course is a continuation of American History I taken by all students in eighth grade and provides an intensive study of the United States since 1900. The students will explore major events, groups and individuals in the historical development of the United States. The course will include studying current events.

Required Reading: Classroom text, additional readings may include books from 1900 to the present

Required Projects: None

Other Specific Course Requirements: None

Grades Based On: Homework, tests, reports, and oral reports.

AMERICAN HISTORY II (1114)**Year Long Course 5 Pds/Wk. 1 Credit Grade 11****Pathway: Arts and Communication****Prerequisites:** World History (10th grade).

Course Description: General study of US History, 1900 – present (readings, films (VHS), clips, Speakers).

Required Reading: Text: United States History.

Required Projects: Performance tasks – May include Great Depression interviews, role playing.

Other Specific Course Requirements: Student may obtain extra credit with outside readings.

Grades Based On: Homework, quizzes, attendance, class participation, and tests.

HONORS GOVERNMENT (1210)**Dual Enrolled Course, Political Science 101, 3 credits****Year Long Course 5 Pds/Wk. 1 Credit Grade 12****Pathway: Arts and Communication**

Prerequisites: Successful completion of World Cultures II and American Culture II; "Completion of American Cultures II with a 3.5 grade point average; must achieve a minimum score at the 80th percentile on the reading comprehension section of the student's most recent standardized test; must complete a project during the summer prior to entering grade 12; should show strong interest in American Government.

Course Description: Honors Government is an elective offered in lieu of the required senior semester course Government. This course examines the philosophy, history, and structure of the Constitution. This political background becomes a basis for an examination of the relationship of our legal system and our constitution.

Required Reading: "We the People" Textbook from the Center of Civic Education with summer assignment, " We Still Hold These Truths" by Matthew Spalding. Textbook will be American Government by James Wilson. Other texts and outside readings determined to be appropriate.

Required Projects: Competitive congressional hearing stimulation on district and/or individual contest or state level competition requirement – each student must complete in at least one individual competition from a list provided, including essay and oratorical contests.

Other Specific Course Requirements: Students must attend a public government meeting; Students must take part in a debate; Students must take part in the Congressional Hearing and any oral presentations connected to preparation for the hearing.

Grades Based On: Total earned points compared to total possible points. The points are earned by completing work on: Homework, tests, quizzes, class note taking, projects, essay construction, and classroom participation.

GOVERNMENT-CP (1212)**One Semester Course 5 Pds/Wk. .5 Credit Grade 12****Pathway: Arts and Communication****Prerequisites:** Completion of World Cultures II and American Culture II.**Course Description:** This required course is a study of our American government system with an in-depth look at the principles of government, federalism, the Constitution, political parties and elections, the three branches of the federal government, and foreign policy.**Required Reading: Textbook:** Magruder's American Government by William A. McClenaghan, and other readings as assigned.**Required Projects:** as assigned by the instructor-could be election projects depending on the year.**Other Specific Course Requirements:** Students must attend a public municipal government meeting; Students must make a debate presentation.**Grades Based On:** Total earned points compared to total possible points. The points are earned by completing work on: Homework, tests, quizzes, class note taking, projects and classroom participation.**GOVERNMENT (1214)****One Semester Course 5 Pds/Week .5 Credit Grade 12****Pathway: Arts and Communication****Prerequisites:** Completion of World Cultures II and American Culture II.**Course Description:** This required course is a study of our American government system with an in-depth look at the principles of government, federalism, the Constitution, political parties and elections, the three branches of the federal government, and foreign policy.**Required Reading: Textbook:** Magruder's American Government by William A. McClenaghan, and other readings as assigned.**Required Projects:** as assigned by the instructor – could be election projects depending on the year.**Other Specific Course Requirements:** Students must attend a public municipal government meeting; Students must make a debate presentation.**Grades Based On:** Total points earned compared to total points possible. Points earned by completing work on: Homework, tests, quizzes, class notes, projects and classroom participation.**ECONOMICS-CP (1213)****One Semester Course 5 Pds/Wk. .5 Credit Grade 12****Pathway: Arts and Communication****Prerequisites:** Completion of World Cultures II and American Culture II.**Course Description:** This required course of Economics applies both Macro and Microeconomic theory to the practical world. Junior Achievement provides materials and supports to this course.**Required Reading: Textbook:** JA Economics and Study Guide.**Required Projects:** as assigned by instructor**Other Specific Course Requirements:** None**Grades Based On:** Total earned points compared to total possible points. The points are earned by completing work on: Homework, study guides, tests, quizzes, class note taking, projects and classroom participation.**ECONOMICS (1215)****One Semester Course 5 Pds/Wk. .5 Credit Grade 12****Pathway: Arts and Communication****Prerequisites:** The normal progression of social studies classes in the senior high is completion of World Cultures II and American Culture II.**Course Description:** This required course of Economics applies both Macro and Microeconomics theory to the practical world. Junior Achievement provides materials and supports this cause.**Required Reading:** Textbook: JA Economics and Study Guide.**Required Projects:** as assigned by instructor**Other Specific Requirements:** None**Grades Based On:** Total earned points compared to total possible points. The points are earned by completing work on: Homework, study guides, tests, quizzes, class notes, projects and classroom participation.

INTRODUCTION TO PSYCHOLOGY (1315)**Dual Enrolled Course, Introduction to Psych 101, 3 credits****One Semester Course 5 Pds/Wk. .5 Credit Grades 11, 12****Pathway: Health and Social Services****Prerequisites: None**

Course Description: This course introduces the student to the study of psychology. Psychology is the study of animal and human behavior. It examines the human mind and how it affects human behavior. This course will contain an overview of psychology, the subfields of the science, principles of learning and thinking, motivation and emotion, the physiological basis for behavior, perception, measurement and testing, personality and behavior disorders, and social influences on behavior. Students will be introduced to the most famous psychologists, their theories and their research.

Required Reading: Textbook "Psychology AP Edition"**Required Projects:** Must complete a final paper and presentation on a psychological disorder.**Other Specific Course Requirements:** To be determined**Grades Based On:** Tests and assignments**INTRODUCTION TO SOCIOLOGY (1316)****Dual Enrolled Course, Introduction to Sociology 100, 3 credits****One Semester Course 5 Pds/Wk .5 Credit Grades 11, 12****Pathway: Health and Social Services****Prerequisites: None**

Course Description: This course introduces students to the study of sociology and the sociological perspective. Sociology is the study of our society and social institutions and groups in our society and how they behave and relate to each other. It will contain an overview of sociological knowledge, define key concepts, and provide an understanding of sociological research. Topics will include social organization, types of groups, cultures and subcultures, the socialization process, deviance, social stratification, intergroup relations, and social, cultural, and demographic change. Students will be introduced to the most famous sociologists, their theories and their research.

Grades Based On: To be determined**HOMETOWN HISTORY (9017)****One Semester Course 5 Pds/Wk. .5 Credit Grades 9, 10, 11, 12****Pathway: Arts and Communication****Prerequisites: None**

Course Description: This Social Studies ELECTIVE is a semester course open to ninth through twelfth grade students. The course is designed to teach students about the history which can be found in their back yards. It examines the local history of Somerset and Somerset County. It will include the following topics: early settlers, the creation of Somerset County, the formation of the town of Somerset, the founding citizens of Somerset, the development and growth of Somerset, "secret societies," devastating fires, building of public and private properties, local citizens and their participation in American wars, transportation improvements and the changing architecture of Somerset. This course will include several fieldtrips to significant historical sites and also an award-winning project called Hunting History – Discovering Your Hometown. This project will utilize hand-held GPS units to locate important local historical objects in the Somerset area.

SOMERSET HISTORICAL CENTER APPLIED HISTORY (1115)**One Semester Course Independent Study .5 Credit Grades 11, 12****Pathway: Arts and Communication**

Prerequisites: Students must have a GPA of 3.0 or higher, Questionnaire and 2 letters of recommendation required – Must commit to 100 hours of participation – some evenings and weekends are required – students will be chosen by committee at SHC

Course Description: Will work in 3 areas of study at the Somerset Historical Center – Collections – Museum, Library – Genealogy and Education – Teaching. An orientation period (8 hours) is required – Remaining 93 hours will be split working the three previously mentioned areas. 15 hours of service and 16 hours of education will be done in each of the three areas. Service hours may be earned with Mtn. Craft Days, In School Visits, Distance Learning Programs, On-site Tours, School Visits and the Heritage Garden depending on the semester chosen. A Teacher Sponsor and Program Coordinator will be assigned to each student.

Required Projects: An independent research project is required to end the course. A written journal of the class experience with photographs and a power point presentation is also required. The power point will be presented to the school and at the fall/ spring banquet/meeting at SHC.

Grades Based On: completing hours required, participation, journal, power point, research project

JUNIOR ROTC PROGRAM COURSES

Note: If you want to sign up for an AFJROTC course but can't fit the course into your schedule, see one of the AFJROTC instructors.

LEADERSHIP EDUCATION I / AS-100: A JOURNEY INTO AVIATION HISTORY / WELLNESS TRAINING (9300)

Year 5 Pds/Wk. 1 Credit Grades 9-12 (Recommended for 1st year cadets)

Pathway: Health and Social Services

Prerequisites: Not Applicable.

Course Description: AFJROTC instills the values of citizenship, community service, personal responsibility, and a sense of accomplishment. Citizenship and character education are the heart of the curriculum program. First year cadets will receive Leadership Education (LE) I: Citizenship, Character & Air Force Tradition, where they'll be introduced to cadet and AF organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. Cadets also will receive an education in science and technology through the Aerospace Science (AS-100) course, A Journey into Aviation History, which focuses on the development of flight throughout the centuries. Emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Also, one day a week the students participate in wellness training.

Required Reading: Textbooks are provided.

Other Specific Course Requirements: 9th grade students wear an AFJROTC T-shirt (provided) once per week and 10-12 grade students wear uniforms (provided) once a week. All AFJROTC students must adhere to acceptable appearance and grooming standards while in uniform.

Grades Based On: Participation, tests, quizzes and homework.

LEADERSHIP EDUCATION III / AS-210: SCIENCE OF FLIGHT / WELLNESS TRAINING (9302)

Year 5 Pds/Wk. 1 Credit Grades 10-12 (Recommended for 2nd or 3rd year cadets)

Pathway: Health and Social Services

Prerequisites: Normally LEADERSHIP EDUCATION I / A JOURNEY INTO AVIATION HISTORY.

Course Description: AFJROTC instills the values of citizenship, community service, personal responsibility, and a sense of accomplishment. Citizenship and character education are the heart of the curriculum program. Second, third and fourth year cadets will have Leadership Education (LE) III: Life Skills and Career Opportunities, which will help cadets map their future and decide a career path. Information on college, vocational or technical school admission, or applying for a job, resume writing and interview skills will be covered. Financial planning, saving, investing and wise spending habits to include avoiding the credit trap will be covered. Cadets will also receive a course in science and technology through the Aerospace Science (AS-210) course, Science of Flight, which introduces the student to the aerospace environment, its effects on humans, and principles of flight. Discussions include the forces of lift, drag, thrust, and weight, along with atmospheric effects. Cadets also learn about basic navigation. Also, one day a week the students participate in wellness training.

Required Reading: Textbooks and workbooks are provided.

Other Specific Course Requirements: 9th grade students wear an AFJROTC T-shirt (provided) once per week and 10th-12th grade students wear uniforms (provided) as appropriate. All AFJROTC students must adhere to acceptable appearance and grooming standards while in uniform.

Grades Based On: Participation, tests, quizzes and homework.

GENERAL ELECTIVES

STUDENT MENTOR PROGRAM (1317)

One Semester Course **5Pds./Wk.** **.5 Credit** **Grades 10, 11, 12**

Pathway: Health and Social Services

Prerequisites: Teacher recommendation

Course Description: In this course the student will either be paired with an individual who has special needs and will act as a mentor in a general education, Art, Family and Consumer Science, Industrial Arts, Health, or Learning Support Class, or assist in a Learning Support or Resource Room as a mentor to any student in the class who is in need of assistance. The student mentor will help facilitate the social and academic inclusion of the individual with special needs into the general education classroom.

Required Reading: Three related articles

Required Projects: Three papers relating to Special Education topics, a journal of daily activities, Final Project (project is approved by teacher)

Grades Based On: Daily Journal, Three Papers, Final Project, and evaluation of mentor's performance by the classroom teacher

SENIOR HIGH GIFTED SEMINAR (1318)

One Semester Course **5Pds./Wk.** **.5 Credit** **Grades 10, 11, 12**

Pathway: All

Prerequisites: Identification as a student who meets the Pennsylvania Chapter 16 Regulations as a student who is mentally gifted.

Course Description: See Mrs. Warner for details.

Required Reading: Corresponding research materials.

Required Projects: A research paper, oral presentation, and a tangible project.

Grades Based On: Class participation, project outline and mid-project evaluation, research paper, oral presentation, and tangible product.

SOMERSET COUNTY TECHNOLOGY CENTER COURSES OF STUDY

The following courses are offered through the Somerset County Technology Center. Students opting to attend the Technology Center will be awarded 3 credits for each year of enrollment in their desired program. Students attending the Technology Center will attend Somerset High School periods 1, 6, 7, 8, & 9 while attending the Technology Center periods 2 – 5. Students should be advised that in most cases, the selection of one of these programs will serve as their elective courses for the year.

Automotive Body Technology (9105)

This course offers training in collision repair, frame and uni-body diagnosis and repair, custom painting with airbrush graphics, and antique and classic car restoration. Using state-of-the-industry equipment, students learn damage diagnosis and estimating, metal straightening techniques, panel replacement, welding, paint mixing and refinishing, and auto detailing.

Upon graduation, students are ready for an entry-level position in the auto body repair field or an advanced apprenticeship.

Automotive Technology (9106)

Through theory and actual laboratory experience, students receive the training needed to troubleshoot, analyze, and repair malfunctioning gasoline engines. This course also prepares students for the PA State Safety Inspection Mechanics Test that is given at the end of the senior year.

Areas of training include basic vehicle service, engine performance, engine repair, suspension and steering, brakes, electrical/electronic systems, heating, automatic transmissions, and manual drive train and axles. Instruction is based on the NATEF/ASE task list.

Building Trades Maintenance (9107)

Students are instructed in the proper use and safe operation of hand and power tools while learning the basics in carpentry, electrical wiring, plumbing, small gasoline engines, plastering, painting and custodial services. Students work at an encouraged pace garnering related skills in organization, communication and leadership.

Business and Marketing Technology (9118)

The opportunities in this field are ever increasing due to the establishment of new shopping malls, the advancement of retail selling techniques, and the increased emphasis placed on advertising.

Students are provided with a realistic foundation on which to build their careers in retail, merchandising, marketing, and management. Instructional units include entrepreneurship, advertising, distribution, selling and other marketing functions. Special emphasis is placed on customer service.

Also included in the course are computer applications, including desktop publishing. Students who become proficient in the use of the Microsoft Office applications will have the opportunity to become Microsoft Office Specialist (MOS) certified.

Carpentry (9108)

Students receive competency-based skill instruction in all phases of residential construction. This includes blueprint reading, framing, interior and exterior finish. These skills are gained through the construction of a modular home.

In the millwork phase of the program, students have the opportunity to work with state of the art wood working equipment to develop skills in custom cabinet design, construction and installation.

Specialty occupations include, contractor, framing carpenter, finish carpenter, roofer, drywall install and finish, siding mechanic, cabinetmaking, CNC operator.

Early Childhood Education (9120) (Child Care Occupations)

This program covers human growth and development, health and safety, DPW regulations, nutrition, guidance and discipline, career and professional development, and activity planning. Students learn through both classroom experience and practical application in the preschool facility. Career opportunities include child care aide, assistant group supervisor, teacher's aide, nanny, day care operator. Industry certifications include First Aid, CPR, Child Development Associate and Assistant Group Supervisor.

Computer Networking Technology (9110)

Students in Computer Networking are preparing for employment in a variety of careers including but not limited to Network Administrator, Network Technician, and Computer Support Technician. Students will begin by learning the basics of computer hardware, operating systems, and peripherals. They will learn physical networking to include routers, switches, and cabling. Also, students will have the opportunity to obtain CompTia A+, Network+ and Cisco certifications.

Cosmetology (9109)

Within this three-year course, students receive training in the various beauty profession services, state law requirements, and the commercial aspects of cosmetology. Learning experiences include administering facials, manicures and artificial nail services, cutting, styling, bleaching, tinting and perming hair.

In preparation for state licensing, students are also taught hygiene and sanitation, anatomy and physiology, and state laws concerning cosmetology. Emphasis is also placed on customer service and business procedures relevant to the profession.

Culinary Arts (9113)

Culinary Arts students learn the main functions of ordering, preparing, cooking and serving food in restaurants, cafeterias, hotels and institutions. Instruction includes practical experience in the school restaurant and bakery where they study the following occupations: chef, cook, baker, salad maker, line cook, prep cook, cake decorator, serving staff and cashier.

Special emphasis is placed on safety, sanitation, restaurant management, menu planning, daily operations and nutrition. Upon graduation, students are prepared for entry level positions in various types of establishments or for higher education admissions in colleges or culinary schools.

Drafting and Design Technology (9129)

Drafting is the primary means of communicating technical ideas through the use of computers and software. As our nation continues to grow technologically, the demand for drafting technicians for both regular industry as well as the entertainment industry will continue to increase. Students initially learn the fundamentals of drawing, then progress into areas of specialization such as technical drafting, architectural drafting, civil engineering and surveying as well as animation for the entertainment industry.

Students are also trained to operate CADD (Computer-aided Drafting and Design) systems. CADD is an integral part of the program as is 3D modeling and animation software and enables graduates to be more competitive in job placement opportunities. Upon completion of this program, students are prepared for entry-level drafting and design positions and/or for post-secondary education that can lead to a high skill, high wage career.

Electrical Occupations (9112)

This course involves practices that include the three major branches of the electrician's trade: residential, commercial, and industrial. The student who has a basic background in math and science will begin with basic electricity and progress to learning a new language that starts with the simple atom and progresses into voltage, current, resistance, and wattage.

Forestry (9114)

The demand for wood and wood products has created the need for skilled lumber workers. The forestry program is designed to train students in woodland care and management which includes logging, cutting, planting, and marketing of wood and wood products. The course also covers skills involved in sawing, drying, and grading lumber. As part of their course work, students will use a GPS/GIS system and handheld computers.

Increased national emphasis on ecology and conservation of natural resources has created the need for forest management personnel. Career opportunities also exist in related environmental sciences.

Health and Medical Assisting (9141)

Students are provided course work to prepare them for employment as a nurse aide or as a medical office assistant. In addition, they are introduced to a wide variety of highly employable paraprofessional careers. Students receive instruction and participate in activities designed to help them develop practical medical and safety skills. Clinical and/or cooperative education experiences are available with hospitals, nursing homes, and other appropriate health care agencies.

Graduates go directly into several entry-level positions in the medical and nurse assisting occupations, or they can continue their education at a college or medical facility.

Heating/Ventilating/Air Conditioning (9116)

The HVAC course trains students in the correct use of refrigerants, heating systems, air conditioning systems, commercial refrigeration and window air conditioning for residential and commercial utilization.

Successful completion of the program will provide students with excellent opportunities to continue their education in the field of HVAC or enter the workforce upon graduation.

Machining Technology (9117)

Machine Technology provides students with an excellent background in mechanical operations for today's modern machine tool industry. The course is organized to offer competency-based instruction in the following areas: operation of a variety of machines; use of measuring tools, gauges, and instruments; computerized numerical control programming and operation; blueprint reading; and application of mathematics.

Employment for machinists has traditionally been excellent and is forecast to remain excellent in the future as demand increases for highly skilled personnel.

Masonry (9119)

Employment and excellent financial rewards are readily available to successful masonry students. This three-year course offers instruction in brick and block-laying fundamentals such as mortar mixing, use of a masonry saw, scaffold building, blueprint reading and estimating. Brick paving, fireplace construction, stone masonry and the pouring and finishing of concrete are also covered.

Welding Technology (9121)

The welding course is designed to allow students to reach their highest level of achievement in oxy-fuel welding, brazing, shielded metal arc welding, gas tungsten arc welding, gas metal arc welding, and cutting using the oxy-fuel and plasma arc processes. Basic blueprint reading, safety precautions, and proper use of power equipment are also taught.

PREREQUISITE WAIVER

Students wishing to take a particular course for which they do not meet the pre-requisites must complete a pre-requisite waiver form and return it to the guidance office along with his/her course selection form.

_____ has requested to register for the following course(s),
(student name)

1. _____
2. _____
3. _____
4. _____

even though he or she does not meet the recommended prerequisites as listed in the course selection guide. The student is permitted to register for the class with the following conditions:

1. The student and parent/guardian understand that the student does not meet the prerequisites for the courses listed above
2. The student and the parent/guardian understand that the student will not be permitted to withdraw from the course after the published add/drop period (usually within the first two weeks of school)
3. The student and parent/guardian are willing to accept the possible negative effects on the student's grade point average, class rank, and athletic/extra-curricular eligibility that selecting this course may have
4. The student and the parent/guardian must sign and return the bottom of this form to the guidance office. Failure to return the form will result in the student's removal from the course and automatic rescheduling into an alternate selection.

Please sign and return this form to the guidance office before the last day of school.

(printed student name)

(printed parent/guardian name)

(course name/number)

(course name/number)

(course name/number)

(course name/number)

By signing below, I am confirming that I understand that I am registering for a course or courses for which I do not meet the recommended prerequisites and I will accept the conditions outlined in the letter above.

(student signature)

(date)

(parent/guardian signature)

(date)

