

TABLE OF CONTENTS

INTRODUCTION.....	-2-
NORTH SCHUYLKILL SCHOOL DISTRICT MISSION STATEMENT	-2-
SHARED VALUES	-2-
THE SCHOOL YEAR AND YOUR SCHEDULE.....	-3-
NOTES ON SCHEDULING YOUR COURSES.....	-3-
GRADUATION REQUIREMENTS	-3-
ADDITIONAL GRADUATION REQUIREMENTS	-4-
MASTERY OF PENNSYLVANIA STATE STANDARDS	-4-
COMMUNITY SERVICE	-4-
STUDENT GRADUATION PROJECT	-4-
STUDENT GRADING	-4-
GRADUATION REQUIREMENTS	-5-
COURSE WEIGHTING.....	-5-
STUDENT'S CLASS STATUS	-5-
SCHEDULE CHANGES	-6-
SUMMER SCHOOL	-6-
SCHUYLKILL TECHNOLOGY CENTERS.....	-6-
ADVANCED PLACEMENT	-6-
DUAL ENROLLMENT	-6-
DISTANCE LEARNING OPPORTUNITIES	-7-
THE CAREER PATHWAY PROGRAM.....	-7-
HOW TO CHOSE CAREER PATHWAY/CLUSTER.....	-8-
CAREER PATHWAYS.....	-9-
CURRICULUM CLUSTER FINE ARTS, HUMANITIES, AND COMMUNICATIONS ELECTIVES	10
CURRICULUM CLUSTER BUSINESS, MARKETING, AND TECHNOLOGY ELECTIVES	10
CURRICULUM CLUSTER HEALTH, SCIENCE AND HUMAN SERVICES ELECTIVES	-11-
CURRICULUM CLUSTER SCIENCE, ENGINEERING, AND INDUSTRIAL TECHNOLOGY ELECTIVES.....	-11-
Fine Arts, Humanities, & Communication.....	-12-&-13-
Business, Marketing, & Technology Career Options.....	-14-&-15-
Health, Science, Human Service Career Options	-16-&-17-
Science, Engineering and Industrial Technology Career Options.....	-18-&-19-
COURSE OFFERINGS 2009-2010.....	-20-
ENGLISH.....	-20-
MATHEMATICS	-23-
COMPUTERS	-25-
SOCIAL STUDIES.....	-27-
SCIENCE	-29-
FOREIGN LANGUAGE	-31-
BUSINESS	-32-
INDUSTRIAL ARTS	-33-
PHYSICAL EDUCATION/ HEALTH	-34-
ART	-37-
MUSIC.....	-39-
FAMILY AND CONSUMER SCIENCES	-40-

INTRODUCTION

Within this *Guide For Planned Instruction* you will find information to help you in the course selection process. Included in this booklet are course descriptions, graduation requirements, and scheduling information. It is imperative for you as well as your parents to review this information carefully. Criteria for selecting your courses should be based on your natural aptitudes, developed abilities, interests, and career plans.

If you have specific questions concerning course selection or career plans, the guidance department, faculty and administration of North Schuylkill Jr./Sr. High School are available to assist you in creating a plan to prepare for your future.

NORTH SCHUYLKILL SCHOOL DISTRICT MISSION STATEMENT

The North Schuylkill School District will provide all students a rigorous, meaningful and relevant education which will prepare them to thrive in the 21st Century global community, whether they go on to college or career preparation or the workplace.

SHARED VALUES

Our students are our purpose.

Our district focuses on our students and recognizes that each person has the ability to learn.

Our students are entitled to a safe, caring, learning environment.

All students want to succeed in some way and want to feel good about themselves.

All students should have the opportunity to learn using the most current material and technology available, in order to compete with the rest of the world.

All students should be encouraged to discuss their ideas and the ideas of others in the classroom instead of just rote memorization of facts.

The advancements of society depend on the development of individual talents, and that each student should be given the opportunity and resources to develop his/her talents to the utmost of their potential.

Our learning environment develops values of service, pride, excellence, and integrity.

Our students are encouraged to contribute to the community.

Our district strives for pride, excellence, and integrity.

Our heritage provides a foundation for good citizenship.

The role of all in the school community is to work cooperatively to support the needs of the students.

The family is the foundation for a successful community.

Education of our youth is the shared responsibility of everyone: the home, the school, and the community.

Each individual is important and entitled to respect, understanding and appreciation of his/her uniqueness.

Each person is responsible for his/her own actions.

THE SCHOOL YEAR AND YOUR SCHEDULE

Your schedule will consist of seven periods each day and each period will be 49 minutes in length. You will have three minutes to pass from one class to the next. Lunch will be 30 minutes, and **is not** counted as one of the seven periods described above. Homeroom will be **five** minutes in length each morning, and activity period will be approximately 20 minutes. If you do not participate in any activities, you will return to homeroom at this time.

Your schedule will run on a 6 day cycle. Some of your classes will meet every day of the cycle. For instance, Algebra I is a class that meets 6 day cycle. Therefore, if you have Algebra I during first period, you will go to Algebra I every day first period. However, some of your classes will only meet 3 days per cycle. For instance, if you have Physical Education third period, you will go there every other day during third period. On the days you don't go to Physical Education during third period, you will either go to another class that meets 3 day cycle, or to study hall. Each morning we will announce what day it is. As you examine the course offerings section of this guide you will notice that the number of days each class meets is listed for each course. You will also notice that with some classes we stated that they will meet on a semester. These courses may be offered for $\frac{1}{2}$ of the year.

One important thing to remember about the 6 day cycle is what happens if we miss a day, or days, of school because of bad weather. When we come back the cycle picks up right where it left off. Thus, if Monday was day 3, and we had off Tuesday and Wednesday, when we come back on Thursday it is still day 4 because that was the next day in the cycle.

NOTES ON SCHEDULING YOUR COURSES

Each student should schedule a minimum of 39 periods a cycle, which equals 6 periods a day for three days and 7 periods a day for the other three days. Students should not schedule more than 42 periods a cycle, with the following reminders:

- Students in grades 11-12 should select two physical education courses. Since they are semester courses, they can be combined as one 3 days a cycle course for the purposes of completing a schedule. If a scheduling conflict exists that cannot be resolved, one physical education course may be waived.
- Students must have 6.5 credits a year.
- Students are encouraged to list alternate selections on their schedule sheets.
- The administration reserves the right to discontinue a class for reasons such as low enrollment or issues relating to staffing or facilities.

GRADUATION REQUIREMENTS

In order to successfully graduate from North Schuylkill Jr. / Sr. High School you must satisfy the following core requirements **in grades 9 through 12:**

- 4.00 credits of English
- 4.00 credits of Social Studies
- 3.00 credits of Mathematics
- 3.00 credits of Science
- 2.00 credits of Physical Education (1.25 credits for students attending Schuylkill Technology Center)
- 1.00 credits of Health / Driver Education/CPR/Consumer Economics
- 7.00 credits of Electives (7.75 credits for students attending Schuylkill Technology Center)
- 1 year-long course is worth 1 credit

There are several important things for you to remember about the core requirements outlined above.

First, you **cannot graduate** without earning the minimum 24 credits in the way that they are outlined above. You will have the opportunity to take approximately 28 total credits in grades 9 through 12 but you must complete the core 24 successfully in order to graduate.

Second, in most cases there will be several courses you can choose from in order to satisfy a core requirement. For example, taking 9th grade Basic English, 9th grade Academic English or 9th grade Honors English would satisfy the 1 credit core requirement of English that you need in 9th grade.

Third, **students attending Schuylkill Technology Center will still have to meet all of the core requirements** indicated above. During the 18 weeks you spend at the Jr./Sr. High School each year in grades 10 through 12, you will meet your core requirements primarily by having double periods of required subjects. For instance, in order to obtain a credit of science in 10th grade you will have science two periods a day during your 18 weeks here in order to cover a year's worth of material for that science class.

Finally, you **cannot** substitute electives for required core courses. Using English as an example, a student successfully completing 9th, 10th, and 11th grade Academic English could not take the elective Mythology to satisfy his/her 12th grade English core requirement. He/She must take Basic English 12 or Academic English 12 (or Honors or AP English if he/she qualified) as a senior, although the student could still take Mythology as an elective.

One important thing to note as you choose your courses is that in some instances you cannot select a course without first passing the course, or courses, serving as a prerequisite for that course. Not all courses have prerequisites you must pass in order to choose them, but you should look ahead to make sure you are taking the courses that serve as prerequisites for a course you would like to take later. The prerequisites, if there are any, are listed at the end of the course description paragraphs in the Course Offerings section of this guide.

ADDITIONAL GRADUATION REQUIREMENTS

There are several additional graduation requirements that all students attending North Schuylkill must meet prior to being eligible to graduate. These requirements are as follows:

MASTERY OF PENNSYLVANIA STATE STANDARDS - The planned courses that are described in this book have been, and will continue to be, designed in order to insure that students are given the opportunity to demonstrate mastery of the standards that the state of Pennsylvania has determined. All students must show mastery of the state standards to be able to graduate. The standards addressed in a specific planned course will be considered completed when the student receives a passing grade for the course, successfully completes an I.E.P., or successfully completes an adapted curriculum. State Assessments are currently given in reading, writing, and mathematics. All students must score at the advanced or proficient level on the Pennsylvania State System of Assessment (PSSA) or on a District Assessment. Students who need to score proficient on the PSSA will be enrolled in the PSSA Math and/or English class or in the after school tutoring program. Students who score at the advanced level or proficient level on the Pennsylvania State System of Assessment will receive Certificates of Proficiency or Certificates of Distinction.

COMMUNITY SERVICE - A minimum of 20 hours of community service will be required of each student over a four year period, grades 9 - 12, for graduation. Whatever type of community service the student chooses to become involved in must be approved by the administration and must be able to be documented and verified by the administration. Students will be given examples of possible avenues for completing this requirement when the administration and guidance department meet with them to discuss scheduling.

STUDENT GRADUATION PROJECT - Each student will need to complete a graduation project. Projects may be done individually or in groups. Projects may be expanded research projects, a self-directed community project, or an exploration of a career. Students will be assigned a faculty advisor, and may also seek a mentor from the staff or community. This project will culminate in a written component and an oral presentation. Work on these projects should begin during the junior year.

ELECTIVE CREDITS - In addition to successfully completing the above requirements, of the 7 credits of electives, four credits must be selected from choices in a student's career cluster. (See pages 10 and 11)

STUDENT GRADING

All student grades will appear on report cards and on eSchoolBook as actual percentages and these percentages will be used for calculating class rank along with course weights, which are described below.

COURSE WEIGHTING

To encourage students to challenge themselves, the faculty of North Schuylkill Jr./Sr. High School has assigned a weight to all courses; the higher the weight the more difficult the course in the faculty's professional opinion. The weight assigned to all courses is one of the following:

1.00- Least Difficult

1.04

1.08

1.12- Most Difficult

It is important for all students to bear in mind that a weight of 1.0 does not mean "easy" and a weight of 1.12 does not mean "impossible." The system is merely a way to reward students for challenging themselves by using the weights when determining class rank. For example, a student who takes a course with a weight of 1.00 and gets a 90% would also receive a 90% ($90 \times 1.00 = 90$) in that class for ranking purposes. However, a student taking a course with a weight of 1.08 who gets a 90% in that class would receive a 97.2% ($90 \times 1.08 = 97.20$) in that class for ranking purposes.

Students and parents are reminded that courses with weights of 1.08 and 1.12 have several prerequisites that must be met in order for the student to gain entrance into those classes. With the exception of transfer students who may not have had the exact same courses available to them, no student will be admitted to a higher level class without first having satisfied the prerequisites for that course.

STUDENT'S CLASS STATUS

Freshman Status	For students to have a freshman (9 th grade) status, they must earn at least 11 credits in grades 7 and 8.
4.5 Credits for Sophomore Status	For students to have a sophomore (10 th grade) status, they must earn at least 4.5 credits in grade 9.
11.0 Credits for Junior Status	For students to have a junior (11 th grade) status, they must earn at least 11 credits in grade 9 and 10.
17.0 Credits for Senior Status	For students to have a senior (12 th grade) status, they must earn at least 17 credits in grades 9, 10 and 11.

SCHEDULE CHANGES

Students will be held responsible for completing a course once they have committed themselves to it. During the school year, students will have the opportunity to discuss the pros and cons of taking various courses with teachers and the guidance department, prior to selecting courses. All students will also have the opportunity to make schedule changes in August prior to the beginning of the school year.

SUMMER SCHOOL

In order to make up a required course during summer school a student **must have a final yearly average of 50% or above for that class.** Should the student have an average lower than that, he/she must retake the course during the next school year.

SCHUYLKILL TECHNOLOGY CENTERS

The Schuylkill Technology Centers at their Frackville and Mar Lin Campuses offer students a unique opportunity to learn through live experiences in a real work environment. In addition, students train on state of the art equipment to help prepare them for various technical careers.

Traditionally, students attend the Schuylkill Technology Centers during grades 10-12. They spend half a year at one of the technology centers and spend half a year at the home school.

The Senior Elective Program is a new opportunity which allows seniors to spend a half day at the technology center taking technical electives. The other half of the day is spent at the home school where the seniors fulfill their academic requirements for graduation.

Listed below are the courses offered at the Schuylkill Technical Centers:

Advanced Computer Networking	Marketing
Auto Body Repair & Refinishing	Masonry
Auto Technology	Occupational Child Development
Carpentry	Ornamental Horticulture &
Computer Aided Drafting and Design	Environmental Landscaping
Computer Programming	Plumbing & Heating Technology
Cosmetology	Public Safety
Electromechanical	Residential/Industrial Electricity
Food Production Services	Small Engine
Health Careers	Welding
Industrial Automation/Robotics	
Machine Trade Technology	

ADVANCED PLACEMENT

The Advanced Placement courses are for students who meet specific requirements and standards of an academic and personal nature. Courses in this program follow the syllabi prepared by the College Entrance Examination Committee on Advanced Placement. Teacher recommendation is necessary for enrollment. Outstanding students are urged to consider taking the CLEP (College Level Examination Placement) tests of the College Board or the Advanced Placement tests. These tests are designed to evaluate knowledge acquired in various courses with the object of granting credit.

DUAL ENROLLMENT

Dual enrollment is a program whereby North Schuylkill Junior Senior High School students enroll in a class taught either at the high school, through distance learning, or at a college campus, for both high school and college credit. Dual enrollment is different from Advanced Placement in that the student does not take a national qualifying exam to receive the credit. Optional inclusion in Cumulative GPA is available. Dual enrollment courses can not be taken in place of "required" core courses and electives. Dual credit courses offered at North Schuylkill Junior Senior High School through distance learning or taught by qualified staff will have a tuition cost plus the cost of textbooks. Classes from Wilkes University, Kings College, Bloomsburg University, Penn State University, Lehigh Carbon Community College and Luzerne County Community College are typically available to our students.

ACE - North Schuylkill junior and senior students also have the opportunity to participate in Bloomsburg

University's Advance College Experience Program (ACE). The ACE program provides significant tuition reductions for high school students taking college level classes. For courses offered at the Bloomsburg campus, tuition will be 25% of the residential rate. All regularly charged fees will apply. For courses offered at North Schuylkill Junior Senior High School, tuition will be 50% of the residential tuition rate. Only off-campus fees apply.

2+2+2 Computer Forensics – The North Schuylkill School District has formed a partnership with Bloomsburg University and Luzerne County Community College which will allow students enrolled in the high school's Computer Forensics course to earn up to 15 credits of advanced standing at the post-secondary level.

The agreement will allow students to transfer 15 North Schuylkill credits to LCCC as they work toward an A.A.S. Degree in Cyber Security Management. These same students can then transfer to Bloomsburg University for four semesters. Their work at BU will allow them to earn a B.S. Degree in Computer Forensics.

By following this path a student can earn two degrees, an associates in Cyber Security and a bachelors in Computer Forensics.

Penn State Schuylkill – Penn State Schuylkill offers any high school junior or senior a scholarship that results in a 50% discount on tuition. The only stipulation is that the student must enroll in currently scheduled on-campus Penn State courses. Additional information regarding Penn State Schuylkill's Dual Enrollment program can be found on the web at <http://www.sl/psu.edu/Academics/326637.htm?cn21>

College courses are available to North Schuylkill JSHS depending on the number of students we enroll. They may or may not be held depending on number of students interested and compatibility with other scheduled courses. Any student interested in these courses must be in the top half of their class with a GPA of 85 or higher. Students will also be required to sign an academic contract outlining all student responsibilities and obligations necessary for enrollment in the dual credit enrollment program.

DISTANCE LEARNING OPPORTUNITIES

Distance Learning allows students to enroll in a course which is not offered at North Schuylkill Jr./Sr. High School but is offered at another high school. This course is taught during the regular school day using video conferencing, and students receive credit toward high school graduation.

THE CAREER PATHWAY PROGRAM

Beginning in grade 9, students will have the opportunity to choose a career pathway which will enable them to make better informed decisions in their educational course selection. The Career Pathway Program is a structure that provides information and guidance so that the needs of all of our students are addressed and the students' natural aptitudes, developed abilities, and interests are identified. This program will make instruction more relevant so students can then be motivated to focus on academic achievement. The Career Pathway Program creates a greater variety of post secondary options and prepares all students for multiple levels of a career (occupational, technical, skilled, professional.)

Four Broad Clusters:

- *Art, Humanities, and Communications**
- *Business, Marketing, and Technology**
- *Science, Engineering, and Industrial Technology**
- *Health, Science, and Human Service**

Each of these clusters are divided into two academic paths:

- *Traditional Academics**
- *Technical Academics**

Students are not locked in to the pathway clusters that they choose in their freshman year. If interests and abilities change in subsequent years, students may transfer to a different cluster that will better enable them to prepare for their post secondary option. However, to transfer to a different cluster, students must have approval from parent or guardian, guidance, and administration.

HOW TO CHOSE CAREER PATHWAY/CLUSTER

During their seventh and eighth grade years, students will explore information to broaden their knowledge about careers. They also have the opportunity to participate in interest inventories to give them an awareness of careers which complement their interests.

On the following page, core courses are listed at grade level for each of the pathways. Students will use this page to select their sequence of required courses. On pages following the Career Pathways, courses are listed within each of the four career clusters. Each student entering the ninth grade will select a cluster that complements his/her career interest. During their four years of high school, students must have at least four credits of electives from the chosen cluster. The guidance department will help students in this selection process.

For instance, a student may be interested in a career as a Surgical Technician, which is listed under Health, Science, and Human Service. Therefore, the student would choose the cluster Health, Science, and Human Service. Because a four year college degree is not required for this career, the Technical Academics Pathway would be appropriate for this student.

CAREER PATHWAYS

PATHWAYS	9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
Traditional Academics	Honors English 9 Academic English 9 American Cultures I Honors Geometry Algebra I Earth Science	Honors English 10 Academic English 10 American Cultures II Honors Algebra II Geometry Academic Biology	Honors English 11 Academic English 11 World Cultures Advanced Math II Algebra II Mathematics Elective (required) Science Elective (required)	AP English Honors English 12 Academic English 12 Social Studies Elective (required) AP Calculus Calculus Adv.Math I or II Prob. & Stats Science Electives (recommended)
	Foreign Language	Foreign Language	Foreign Language	Foreign Language
Technical Academics	Academic English 9 Basic English 9 American Cultures I Basic Algebra I Earth Science	Academic English 10 Basic English 10 Practical English 10 American Cultures II Practical Basic Geo. Basic Geometry Academic Biology General Biology	Academic English 11 Basic English 11 Practical English 11 World Cultures Basic Algebra II Prac. Basic Algebra II Science elective (required)	Academic English 12 Basic English 12 Practical English 12 Social Studies Elective (required) Math Elective (recom) Science Elective (recommended)
Other Requirements	Physical Education	Physical Education Health Driver Training CPR Consumer Economics	Physical Education PSSA English PSSA Math - required for students who do not score proficient or advanced on 4 Sight Test in Grade 10	Physical Education PSSA English PSSA Math - required for students who do not score proficient or advanced on PSSA in Grade 11

**CURRICULUM CLUSTER FINE ARTS, HUMANITIES, AND COMMUNICATIONS
ELECTIVES**

Basic Art/Drawing Crafts Cartooning Pottery Advanced Pottery Sculpture Advanced Sculpture Photography Advanced Photography Graphics Studio Art Portfolio Preparation Color/Design Theory Adv. Color/Des./Paint Sr. High Chorus Band 9-12 Instrumental Method and Repertoire Music Theory Advanced Music Theory Music History	Journalism and Current Events Theatre and Film Theatre Production Public Speaking and Research Mythology	PA Cultures and History Geography Sociology Sociology Practicum U.S. Government/Economic A.P. History Sr. Social Issues	
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**CURRICULUM CLUSTER BUSINESS, MARKETING, AND TECHNOLOGY
ELECTIVES**

GENERAL BUSINESS	ACCOUNTING	TECHNOLOGY	OTHERS
Accounting IA Business Law Computer Applications	Accounting IA & IB Accounting IIA & IIB Business Law Computer Applications Automated Accounting	Computer Applications Accounting IA & IB Business Law Advanced Computer Application Computer Science I Computer Science II Networking I Networking II Advanced Computer Technologies Intro to Computer Forensics Fundamentals of Web Design	Accounting IIA IIB Advanced Computer Applications Automated Accounting

CURRICULUM CLUSTER HEALTH, SCIENCE AND HUMAN SERVICES ELECTIVES

<p>Teen Living Des. Text and Housing Adult Living Foods/Fitness Creative Foods World of Foods</p>	<p>Chemistry I Human Physiology Genetics and Biotechnology AP Biology</p>	<p>AP Calculus Calculus Advanced Math II Probability and Statistics Advanced Math I Basic Algebra II Basic Geometry Algebra II Geometry</p>
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CURRICULUM CLUSTER SCIENCE, ENGINEERING, AND INDUSTRIAL TECHNOLOGY ELECTIVES

<p>AP Calculus Calculus Advanced Math II Probability and Statistics Advanced Math I Basic Algebra II Basic Geometry Algebra II Geometry</p>	<p>Astronomy Geology Environmental Science Meteorology</p> <p><u>Biology Emphasis</u> Academic Chemistry Human Physiology AP Biology Genetics and Biotechnology Human Physiology</p> <p><u>Physical Science - Engineering</u> Academic Chemistry Chemistry II Physics</p>	<p>Basic Woodwork Plastics Tech. Fundamentals of Drafting Mas. & Bldg. Constr. Metalworking Advanced Metal Advanced Cabinetmaking Architectural Drawing</p>
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Fine Arts, Humanities, & Communications

Traditional Academics

Actor	Judge/Magistrate
Advertising Copywriter	Landscape Architect
Architect	Lawyer
Art Director	Legislator
Art Restorer	Librarian
Art Teacher	Literary Writer
Arts Administrator	Magazine Editor
Athlete	Media Buyer
Choral Director	Music Librarian
Choreographer	Music Teacher
Columnist	Music Video Recording Artist
Composer	Musician
Computer Animator	Newscaster/Analyst
Conductor	Novelist
Cinematographer	Photographer
Clergy	Photojournalist
Coach	Playwright
College Administrator	Print Maker
Columnist	Producer
Crisis Specialist	Professional Musician
Critic	Professional Speaker
Dancer	Professor
Director	Program Manager
Designer for Stage & Screen	Public Relations Writer
Drama Teacher	Publisher
Editor	Radio Announcer
Educational Administrator	Recreation Center Director
Electronic Media Specialist	Reporter/Correspondent
Fashion Designer	Screen Writer
Film Director	Scriptwriter
Filmmaker	Sculptor
Fine Arts Teacher	Set Designer
Gallery Owner	Singer
Graphic Artist	Sportscaster
Graphics Designer	Teacher
Illustrator	Technical Writer
Industrial Designer	Telecommunications Specialist
Instrument Repairer	Umpire/Referee
Instrumentalist	Vocational/Educational Counselor
Interior Designer	Web Designer
Interpreter	Writer
Journalism Professor	
Journalist	

Fine Arts, Humanities, & Communications Career Options

Technical Academics

Actor	Freelance Writer	Recording Studio Assistant
Advertising Agent	Graphic Artist	Researcher
Advertising Copywriter	Hairdresser	Retail Sales Manager
Announcer	Illustrator	Scanner Operator
Artist	Image Consultant	Screen Writer
Athlete	Instrumentalist	Set Designer
Audio Technician	Interior Designer	Sign Maker
Baker and Pastry Chef	Interpreter	Singer
Barber	Jeweler/ Silversmith	Sound Engineer
Bindery Worker	Journalist	Sound Technician
Broadcast Technician	Landscape and	Special Effects Technician
Camera Operator	Groundskeeper	Speech Writer
Cartoonist	Layout/Paste-Up Artist	Sports Instructor
Children's Book Illustrator	Library Assistant	Stage Electrician
Children's Theater	Lighting Technician	Stagehand
Production Director	Magician	Studio Musician
Choreographer	Merchandise Display	Studio Technician
Ceramicist	Model	Technical Writer
Cinematographer	Motion Picture Projectionist	Television Script Writer
Classified Ad Writer	Movie/TV Extra	Telephone Installer
Club Reporter	Musical Instrument	Textile Designer
Coach	Repairer	Theater Arts Technician
Comedian	Music Copier	Theater Manager
Compliance Officer	Music Video Recording	Travel Agent
Construction Worker	Artist	Typesetter
Copywriter	Musician	Umpire/Referee
Cosmetologist	News Desk Assistant	Videotape Editor
Costume Designer	Newspaper Photographer	Web Page Designer
Dance Instructor	Nursery Worker	Welder (Artistic)
Dance Studio Manager	Opera Singer	Window Display Person
Dancer	Painter and Paperhanger	Woodworking Machinist
Design Assistant	Paralegal	Writer
Desktop Publishing	Photographer	
Specialist	Photographer's Assistant	
Disc Jockey	Photojournalist	
Draftsperson	Piano Tuner	
Electronic Pagination	Portrait Photographer	
System Operator	Printer	
Fabric Artist	Printing Press Operator	
Fashion and Textile	Private Music Teacher	
Designer	Producer	
Fashion Illustrator	Production Assistant	
Film Dubber	Projectionist	
Film Processor	Public Relations Director	
Floral Shop Clerk	Public Speaker	
Florist	Radio Announcer	
Food Preparation Worker	Recording Engineer	

Business, Marketing, & Technology Career Options

Traditional Academics

Accountant	Insurance Agent and Broker
Administrative Assistant	Internet Consultant
Agricultural Co-Op Marketing Manager	Loan Officer and Counselor
Athletic Manager	Lobbyist
Auditor	Management Analyst and Consultant
Bank Examiner	Manager, Financial Institution
Bank President	Marketing Manager
Branch Manager	Marketing Research Analyst
Budget Analyst	Mechanical Engineer
Business/ Investment Broker	Multimedia Developer
Caterer	Office Manager
Certified Public Accountant	Operations Manager
Claims Adjuster	Operations Researcher/ Analyst
Compensation Specialist	Personnel Manager
Computer Instructor	Public Administrator
Computer Operator	Public Health Administrator
Computer Programmer/Analyst	Public Relations Manager
Computer Systems Manager	Purchasing Manager
Construction Manager	Real Estate Sales Agent and Broker
Cost Estimator	Restaurant and Food Service Manager
Credit Analyst, Financial	Revenue Agent
Database Administrator	Sales Agent
Data Communications Analyst	Sales Engineer
Education Administrator	Sales Representative
Electrical Engineer	Securities Analyst
Employment Interviewer	Statistical Clerk
Estate Planner	Stock Broker
Executive Secretary	Systems Analyst
Financial Analyst	Tax Examiner, Collector
Financial Manager	Tax Preparer
Financial Planner	Technical Writer
Financial Service	Transportation Manager
General Manager and Top Executive	Treasurer
Graphic Designer	Underwriter
Health Care Facility Administrator	Vocational Education Teacher
Health Club Manager	Web Designer
Hospital Administrator	Wholesale and Retail Buyer
Hotel Manager and Assistant	
Human Resources Manager	
Industrial Engineer	
Industrial Relations Director	
Insurance Adjuster/Analyst	

Business, Marketing, & Technology Career Options

Technical Academics

Accounts Payable Office Manager	Data Recovery Technician	Property Manager
Administrative Assistant	Department Supervisor	Purchasing Agent/ Manager
Advertising Clerk/Agent	Directory Assistance Operator	Radio Disc Jockey/ Newscaster
Aircraft Pilot	Dispatcher	Real Estate
Agricultural Commodities	Distribution Manager	Appraiser/Broker/Agent
Broker	Door-to-door Salesperson	Receptionist/ Secretary
Bailiff	Driver/Sales Worker	Reservation/Ticket Agent
Bank Collection Officer	Employment Interviewer	Restaurant/Food Service Manager
Bank Teller	Entrepreneur	Retail Sale Person
Bilingual Secretary	Farm Manager	Sale Representative
Bill Collector	Fashion Manager	School Secretary
Business Agent	File Clerk	Secretary
Business Machine Repairman	Fish And Game Warden	Shipping Clerk
Buyer	Funeral Director	Software Engineer
Bookkeeping, Accounting, and Auditing	General Office Clerk	Special Events Coordinator Specialist
Broadcast Technician	Grocery Department Manager	Stenographer
Claims Agent	Hotel Manager	Stock Clerk
Clerk	Independent Small Business Owner	Store Manager
Cashier	Insurance Agent, Broker, Clerk	Switchboard Operator
Caterer	Library Clerk	Tax Preparer
Chauffeur	Loan Officer	Telephone Operator
Chef	Loan Processing Clerk	Telephone Solicitor
Clerical Educational Assistant	Lobbyist	Ticket Agent
Clerk Typist	Mailroom Clerk	Title Searcher
Computer Analyst	Manager Trainee	Transcriptionist
Computer Operator	Mechanical Drafter	Travel Agent/Clerk
Computer Programmer	Medical Record Technician	Typist
Computer Repair Technician	Medical Secretary	Waiter/Waitress
Construction Manager	Meter Reader, Utilities	Web Designer
Cost Estimator	Municipal Clerk	Word Processor
Court Clerk	Office Cashier/Manager	
Court Reporter	Paralegal	
Customer Service Clerk	Payroll Clerk	
Data Entry Clerk	Personal Shopper	
	Police Patrol Officer	
	Postmaster	
	Private Child Care Worker	
	Product Support Analyst	

Health, Science, Human Service Career Options

Traditional Academics

Adult, Youth Recreation Program Director	Nutritionist
Air Traffic Controller	Occupational Therapist
Alcohol/Drug Abuse Counselor	Oceanographer
Anesthesiologist	Optometrist
Art Therapist	Personal Image Consultant
Astronomer	Pharmacist
Athletic Trainer	Physical Education Teacher/Coach
Biological Scientist	Physical Therapist
Chemist	Physician Assistant
Child Psychologist	Physicians and Surgeon
Chiropractor	Police Detective
Clergy	Probation Officer
College/University Dean	Professional Athlete/Scout/Athletic Trainer
Computer Systems Analyst	Psychologist
Consumer Advocate	Registered Nurse
Counselor	Respiratory Therapist
Cytogenetic Technologist	Restaurant Manager
Dentist	Social Worker
Dietitians and Nutritionist	Social Service Specialist
Early Childhood Education	Statistician
Educational Media Specialist	Tax Examiner
Elected Government Official	Teacher
Environmental Health Inspector	Transplant Coordinator
Farmer	Urban/Regional Planner
FBI Agent	Utility Company Customer Service
Financial Planner	Veterinarian
Food Magazine Editor	Virologist
Genetic Counselor	Vocational and Educational Counselor
Geologist	
Gerontologist	
Group Home Supervisor	
Hearings Officer	
Home Economics Teacher	
Institutional Manager	
Interior Designer	
Judges and Magistrate	
Juvenile Court Probation Worker	
Lawyer	
Librarian	
Loan Officer	
Meteorologist	
Nurse Anesthetist	

Health, Science, Human Service Career Options

Technical Academics

Ambulance Driver	Maintenance/Grounds/Building
Animal Breeder	Manicurist
Assistant Buyer	Massage Therapist
Baking Assistant	Medical Records Technician
Biological and Agricultural Food Technician	Medical Transcriptionist
Bus Drivers/Chauffeur	Medical Lab Technician
Butchers and Slaughterer	Medical Assistant
Cake Decorator	Nuclear Medicine Technologist
Caterer	Nursing Aide
Certified Nursing Assistant	Orderly
Chauffeur	Paralegal
Child Care Worker	Perfusionist
Clerical Supervisor	Personal Shoppers
Conference Manager	Pest Controllers and Assistant
Cook Food Processing	Pharmacy Aide
Correction Officer	Phlebotomist
Counter Clerk	Photographer
Court Reporter	Physical Therapy Aide
Criminal Investigator	Physician Assistant
Dental Assistant	Police Detective
Dental Hygienist	Postmaster
Detective	Prosthetic-Orthotic Technician
Dietary Aide	Radiation Therapy Technologist
Dispensing Optician Technician	Receptionist
Display Designer	Recreation Assistant/Aide
Drapery Installer	Recreation Worker
Dry Cleaner/Alterationist	Recreational Therapy Assistant
Electrocardiograph Technician	Registered Nurse
Emergency Medical Technician	Respiratory Therapist
Farmers	Restaurant Manager
Fashion Buyer	Safety Engineer
Fashion Display Person	Sales Clerk
Fashion/Fabric Designer	School Bus Driver
Fashion Journalist/Photographer	Secretary
File Clerk	Security Guard
Fire Inspector/Firefighter	Sewing Machine Operator
Fitness Instructor	Sheriffs and Deputy Sheriff
Flight Attendant	Sonographer
Floral Designer	Sports (Sales and Management)
Funeral Director	Surgical Technician
Furniture Builder/Restorer	Tailor
Garment Fitter	Teacher's Aide
Group Home Supervisor	Tour Guide
Guards and Watch Guard	Upholsterer
Hairdressers and Cosmetologist	Veterinary Assistant
Hearing Aid Fitter	Veterinary Technician
Home Health Aide	Waiter and Waitress
Hospital Aide	Wedding Consultant
Human Services Worker	Welfare Eligibility Interviewer
Interpreter	X-ray Technician
Legislator	
Library Assistant	
Library Technician	
Licenses Practical Nurse	
Maintenance Person	

Science, Engineering and Industrial Technology Career Options

Traditional Academics

Aerospace Engineer
Agricultural Engineer
Architect
Astronaut
Astronomer
Biomedical Engineer
Cartographer
Chemical Engineer
Chemical Technician
Chemist
Civil Engineer
CNC Operator
Computer Systems Analyst
Computer Engineer
Cryptologist
Electrical & Electronic Engineer
Electronic Technician
Engineering Technician
Environmental Designer/Planner
Environmental Engineer
Food Engineer
Geneticist
Geologist
Geophysicist
Human-Factors Engine
Hybrid Fuels Chemist
Industrial Engineer
Instrumentation Technician
Landscape Architect
Manufacturing Plant Manager
Marine Engineer
Market Research Analyst
Mathematical Scientist
Mechanical Engineer
Mineral/Mining Engineer
Nuclear Scientist
Operations Research Analyst
Patent Agent
Petroleum Engineer
Physicist
Production Manager
Recombinant DNA Technology
Research and Development Scientist
Safety Officer
Sanitary Engineer

Science Laboratory Manager
Statistician
Structural Engineer
Surveyors and Mapping Scientist
Technical Procurement Specialist
Test Design Engineer
Trade & Industrial Teacher
Transportation Inspector
Vocational Education Teacher
Web Designer

Science, Engineering and Industrial Technology Career Options

Technical Academics

Heat, Air Conditioning & Refrigeration Technician
Air Traffic Controller
Air Conditioner Mechanic
Aircraft Mechanic
Appliance Serviceman
Apprentice Carpenter
Assembly Line Operator
ATM Technician
Auto-Body
Automotive Mechanic
Automotive Technician
Automotive Electrician
Avionics Technician
Bicycle Repairperson
Bookkeeping/Accounting Clerk
Broadcast Technician
Cabinet Maker's Assistant
Cabinet Maker
Carpenter
Chef
CNC Operator
Computer Repairer
Computer Electronics Technician
Construction Managers/Supervisor
Construction Inspector
Cost Estimators
Data Entry Operator
Dental Laboratory Technician
Drafter
Driver/Sales Worker
Electrician
Electronic Assembler
Equipment Operator
Finish Carpenter's Assistant
Fire Inspectors
Forest/Park Ranger
Glazier
Hazardous Waste Technician
Heavy Duty Mechanic
Iron Worker
Jeweler Assistant
Jeweler
Job Printer
Lab Assistant
Laser Technician
Lather
Locksmiths and Safe Repairer
Machine Shop Assistant
Machinist
Mason
Material Handler
Mechanics Assistant
Medical Assistant
Metal Fabricator
Meter Reader, Utilities
Millwright
Musical Instrument Repairer and Tuner
Nuclear Medicine Technologist
Office Machine Servicer
Ophthalmic Lab Technician
Optician
Painter and Paperhanger
Parts Manager
Photographer
Plumber/Pipefitter
Power Reactor Operator
Precision Instrument Maker
Printer
Printer Assistant
Purchasing Agent
Riveter
Robotics Mechanic
Satellite Technician
Science Technician
Service Writer
Service Station Attendant
Sheet Metal Worker
Shop Owner
Solar Energy Systems Installer
Structural Ironworker
Surveying Technician
Tool and Die Maker
Truck Driver
Web Designer
Welder
Welder's Helper
Welder-Cutter

COURSE OFFERINGS 2009-2010

As you begin to put together your schedule for the upcoming school year, there are a few things you should keep in mind. First and foremost, you should be planning a schedule that will help you meet **your** goals. Don't choose a schedule just to make sure you always have class with your friends! Whether you realize it or not and whether you think it is fair or not, you are now creating a road map to your future. You may certainly change your mind along the way, but please remember this is one time to be selfish and consider **what is best for you alone** as you pick your courses.

Also keep in mind, whether you are going to college, trade school, the military, or straight to the working world you must realize that certain schools and jobs require that you have certain courses and/or skills before they even consider admitting you or hiring you. As you enter 9th grade, and during every successive year of high school afterward, **you should be in touch with the guidance department to ensure that the courses you are taking are appropriate for achieving your future goals.** They have access to resources that can help ensure that you are making the right choices and are more than willing to help point you in the right direction. It is your responsibility to take advantage of their expertise!

ENGLISH

110 GENERAL ENGLISH 9 6 DAY CYCLE

**WEIGHT 1.00
1 CREDIT**

Students will complete units in the areas of grammar/usage, writing skills, vocabulary development, parenthetical citations, research outlining, short story and drama/poetry. **Prerequisite:** Successful completion of English 8.

115 ACADEMIC ENGLISH 9 6 DAY CYCLE

**WEIGHT 1.04
1 CREDIT**

This course is designed for the college bound student. Students will complete units in the areas of grammar/usage, composition, short story/novel, drama/poetry, vocabulary development, parenthetical citations and research outlining. **Prerequisite:** Successful completion of English 8

120 HONORS ENGLISH 9 6 DAY CYCLE

**WEIGHT 1.08
1 CREDIT**

Students will complete units in the areas of grammar/usage, composition, short story/novel, drama/poetry, vocabulary development, parenthetical citations and research outlining. Additional independent work will be a course requirement. **Prerequisite:** Successful completion of English 8.

125 GENERAL ENGLISH 10 6 DAY CYCLE

**WEIGHT 1.00
1 CREDIT**

Students will complete units in the areas of grammar/usage, writing skills, speech, short story/novel, drama/poetry, in-depth research writing and vocabulary development. Reading selections are from World Literature. **Prerequisite:** Successful completion of a 9th grade English.

127 PRACTICAL ENGLISH 10 6 DAY CYCLE - TWICE DAILY

**WEIGHT 1.00
1 CREDIT**

THIS CLASS IS ONLY FOR STUDENTS ATTENDING THE SCHUYLKILL TECHNOLOGY CENTER

Students will complete units in the areas of grammar/usage, writing skills, speech, short story/novel, drama/poetry, in-depth research writing and vocabulary development. Reading selections are from World Literature. **Prerequisite:** Enrollment in the STC program.

130 ACADEMIC ENGLISH 10 6 DAY CYCLE

**WEIGHT 1.04
1 CREDIT**

Students will complete units in the areas of grammar/usage, composition/description-narration-exposition, short story/novel, drama/poetry, in-depth research writing and vocabulary development. Reading selections are from World Literature. **Prerequisite:** Successful completion of a 9th grade English.

- 135 HONORS ENGLISH 10** **WEIGHT 1.08**
6 DAY CYCLE **1 CREDIT**
 Students will complete units in the areas of grammar/usage, composition/description-narration-exposition-persuasion, short story/novel, drama/poetry, in-depth research writing and vocabulary development. Reading selections are from World Literature. **Prerequisite:** Successful completion of a 9th grade non-elective English course.
- 140 GENERAL ENGLISH 11** **WEIGHT 1.00**
6 DAY CYCLE **1 CREDIT**
 Students will complete units in the areas of grammar/usage, writing skills, short story/novel, speech, vocabulary development, research development and drama/poetry. Reading selections are from American Literature. **Prerequisite:** Successful completion of a non-elective 10th grade English course.
- 142 PRACTICAL ENGLISH 11** **WEIGHT 1.00**
6 DAY CYCLE - TWICE DAILY- ONE SEMESTER **1 CREDIT**
THIS CLASS IS FOR STUDENTS ATTENDING THE SCHUYLKILL TECHNOLOGY CENTER.
 Students will complete units in the areas of grammar/usage, writing skills, short story/novel, speech, vocabulary development, research writing and drama/poetry. Reading selections are from American Literature. **Prerequisites:** Successful completion of English 10 and enrollment in the STC program.
- 145 ACADEMIC ENGLISH 11** **WEIGHT 1.04**
6 DAY CYCLE **1 CREDIT**
 Students will complete units in the areas of grammar/usage, composition/description-narration-exposition-persuasion, short story/novel, drama./poetry, research writing and vocabulary development. Reading selections are from American Literature. **Prerequisite:** Successful completion of a 10th grade non-elective English course.
- 150 HONORS ENGLISH 11** **WEIGHT 1.08**
6 DAY CYCLE **1 CREDIT**
 Students will complete units in the areas of grammar/usage, composition/description-narration-exposition-persuasion, short story/novel, drama/poetry, research writing and vocabulary development. Reading selections are from American Literature. Additional independent course work will be a requirement. **Prerequisites:** Successful completion of a 10th grade non-elective English course.
- 155 GENERAL ENGLISH 12** **WEIGHT 1.00**
6 DAY CYCLE **1 CREDIT**
 Students will complete units in the areas of grammar/usage, writing skills, short story/novel, vocabulary development, research writing and drama/poetry. Reading selections are from British Literature. **Prerequisites:** Successful completion of a non-elective 11th grade English course.
- 157 PRACTICAL ENGLISH 12** **WEIGHT 1.00**
6 DAY CYCLE - TWICE DAILY **1 CREDIT**
THIS CLASS IS FOR STUDENTS ATTENDING THE SCHUYLKILL TECHNOLOGY CENTER.
 Students will complete units in the areas of grammar/usage, writing skills, short story/novel, vocabulary development, research writing and drama/poetry. Reading selections are from British Literature. **Prerequisites:** Successful completion of Vo-tech English 11 and enrollment in the STC program.
- 160 ACADEMIC ENGLISH 12** **WEIGHT 1.04**
6 DAY CYCLE **1 CREDIT**
 Students will complete units in the areas of grammar/usage, composition/description-narration-exposition-persuasion, short story/novel, drama/poetry, research writing and vocabulary development. Reading selections are from British Literature. **Prerequisite:** Successful completion of a non-elective 11th grade English course.

165 HONORS ENGLISH 12
6 DAY CYCLE

WEIGHT 1.08
1 CREDIT

Students will complete units in the areas of grammar/usage, composition, short story/novel, drama/poetry, research writing and vocabulary development. Reading selections are from British Literature. Additional independent work will be a course requirement. **Prerequisites:** Successful completion of a non-elective 11th grade English course.

170 ADVANCED PLACEMENT ENGLISH
6 DAY CYCLE

WEIGHT 1.12
1 CREDIT

This course is designed to guide students in an intensive study of World Literature of various genres (short story, novel, poetry, drama, etc.) And to guide students in the composition techniques (exposition, analysis, persuasion, and rhetoric) required to analyze and critique these literary works. This course may be selected in place of Academic or Honors English 12. Students taking this course are encouraged to take the College Board Advanced Placement Exam in English Literature given at the end of the year.

Prerequisite: Successful completion of non-elective 9th, 10th and 11th grade English courses.

175 JOURNALISM AND CURRENT EVENTS
6 DAY CYCLE

WEIGHT 1.00
1 CREDIT

This course documents 250 years of development in American Journalism through the study of the associated history and terminology of this literary genre. Class discussions and writing assignments are generated from current articles. **Prerequisite:** Successful completion of non-elective 9th and 10th grade English courses.

183 THEATRE PRODUCTION I
6 DAY CYCLE

WEIGHT 1.00
.5 CREDIT

This semester course is designed to provide an opportunity for students in 10th, 11th and 12th grades to learn about the mechanics of American Theatre. Students will study theatre make-up, scenic design, lighting design, costume design and “behind-the-scenes” theatre jobs. Hands-on projects, tests, quizzes and written reports will be required work in this course. **Prerequisite:** Successful completion of a non-elective 9th grade English course.

184 THEATRE PRODUCTION II
6 DAY CYCLE

WEIGHT 1.00
.5 CREDIT

This semester course is designed to continue the studies begun in Theatre Production I. Students in 10th, 11th and 12th grades will study character development, scene blocking, set construction and acting techniques. Students will also study production management techniques, additional “behind-the-scenes” theatre jobs and choreographic and musical elements of American Theatre. Hands-on projects, tests, quizzes, written reports and production schedules will be required work in this course. **Prerequisite:** Successful completion of both a non-elective 9th grade English course and of Theatre Production I.

185 PUBLIC SPEAKING AND RESEARCH
SEMESTER COURSE

WEIGHT 1.08
.5 CREDIT

This course is designed to help the 11th and 12th grade student gain poise and confidence while speaking in public. Students will complete three major units: 1. Public speaking research techniques; 2. General communication skills; 3. Presentation of four to five main speeches. **Prerequisite:** Successful completion of non-elective 9th and 10th grade English courses.

190 MYTHOLOGY
SEMESTER COURSE

WEIGHT 1.04
.5 CREDIT

This course includes the study of myths and heroic legends from ancient Greece and Rome and their relevance to the present-day world. There will be a wide variety of literary sources utilized including Hamilton’s *Mythology*, Homer’s *The Odyssey*, *The Oedipus Plays of Socrates*, and J.K. Rowling’s *Harry Potter* trilogy. **Prerequisite:** Successful completion of non-elective 9th and 10th grade English courses.

**195 PSSA READING/WRITING
6 DAY CYCLE**

**WEIGHT 1.00
.5 CREDIT**

This course is only for seniors who have not received a proficient or advanced score on the PSSA Reading/Writing Tests and for juniors who have not scored proficient or advanced on the 4 Sight Test in grade 10. They will automatically be assigned to this course IN ADDITION TO their regularly scheduled English course. This course is designed not only to provide a comprehensive review of the reading and writing skills necessary to succeed on the PSSA tests but also to reinforce the reading and writing skills needed for success in the future. Reading skills presented will include learning to read independently, reading critically, and analyzing and interpreting literature. Writing skills presented will include information on prewriting techniques, drafting a composition, editing a composition and determining correct methods for specific types of writings.

MATHEMATICS

All students are required to have at least a basic four function calculator. Students intending to go on to college are required to have a scientific calculator. Serious math students who anticipate taking courses such as Trigonometry and beyond are encouraged to consider purchasing a graphing calculator.

**215 PSSA MATHEMATICS
6 DAY CYCLE - SEMESTER**

**WEIGHT 1.00
.5 CREDIT**

This course is only for seniors who have not received a proficient or advanced score on the PSSA mathematics test and juniors who have not received a proficient or advanced score on the 4 Sight Test in grade 10. They will automatically be assigned to this course. This course is designed to provide a comprehensive review of the key mathematical skills and concepts that are necessary to pass the objectives given by the state and by the variety of situations that the future presents. Some subjects included are consumer mathematics, algebra, geometry, problem solving, trigonometry, percent, personal finance, computations, estimations, probability, and predictions.

**220 BASIC ALGEBRA I
6 DAY CYCLE**

**WEIGHT 1.0
1 CREDIT**

This course will include a study of the symbolism and structure of algebra that occurs in many other areas of learning with which a student not planning to enter a math-, or science - related field should be familiar. Topics covered will include variables, constants, algebraic expressions, solving equations and inequalities, factoring, quadratic equations, rational expressions, linear equations and inequalities in two variables, and systems of equations.

**225 ALGEBRA I
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course is designed for the college-bound student. Topics covered will include real numbers; system expressions; equations and inequalities, with applications; polynomial applications; rational expressions; systems of equations; radicals; and quadratic equations. Students who have completed Basic Algebra I may not schedule this course.

**230 BASIC GEOMETRY
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course is designed to give students a basic background in the principles and theory of geometry. The topics covered will include basic definitions, postulates, and theorems concerning lines, planes, angles, segments, polygons, and circles. The perimeter and area of plane figures as well as surface area and volume of 3-dimensional figures will be investigated. **Prerequisites** - Basic Algebra I.

**232 PRACTICAL BASIC GEOMETRY
6 DAY CYCLE - TWICE DAILY, ONE SEMESTER**

**WEIGHT 1.00
1 CREDIT**

This course is for students attending the Schuylkill Technology Center.

This course will give students a background in the principles and theory of geometry. The topics covered will include basic definitions, postulates, and theorems concerning lines, planes, angles, segments, polygons, and circles. The perimeter and area of plane figures as well as surface area and volume of

three-dimensional figures will be investigated. An emphasis will be placed on the PA Anchors.

Prerequisite – Basic Algebra I

235 BASIC ALGEBRA II

WEIGHT 1.00

6 DAY CYCLE

1 CREDIT

This course will include both a review of the material presented in Basic Algebra I and extended use and explanation of the concepts presented in that course. Using equations in problem solving, graphing equations of lines, and work with exponents and radical expressions will be some of the additional topics covered. **Prerequisites** - Basic Algebra I, Basic Geometry.

236 PRACTICAL BASIC ALGEBRA II

WEIGHT 1.00

This course is for students attending the Schuylkill Technology Center.

1 CREDIT

This course will include both a review of the material presented in Basic Algebra I and extended use and explanation of the concepts presented in that course. Using equations in problem solving, graphing equations of lines, and work with exponents and radical expressions are some of the additional topics to be covered. An emphasis will be placed on the PA Anchors. **Prerequisite** - Practical Basic Geometry.

240 ALGEBRA II

WEIGHT 1.04

6 DAY CYCLE

1 CREDIT

This course is designed for the college-bound student. It will include a review of basic algebra topics. Additional topics covered will include solving equations and inequalities; functions and their graphs; systems of equations and inequalities; operations with polynomials; factoring; rational expressions and equations; irrational and complex numbers; solving quadratic equations; graphing quadratic functions in a plane; and work with conic sections. **Prerequisites** - Algebra I, Geometry. **Students who have completed Basic Algebra II may not schedule this course.**

241 HONORS ALGEBRA II

WEIGHT 1.08

6 DAYS CYCLE

1 CREDIT

The early portion of this course covers a review of basic algebra topics that were covered in Honors Algebra I. Additional topics include in-depth work with equations and inequalities; functions and their graphs; polynomials' rational expressions and equations; irrational and complex numbers; quadratic functions; and conic sections. **Prerequisite** - This course is designed specifically for students entering tenth grade who have successfully completed Honors Geometry and Honors Algebra I.

245 GEOMETRY

WEIGHT 1.04

6 DAY CYCLE

1 CREDIT

This course is designed for the college-bound student. Topics covered include the same as those in Basic Geometry but in much greater depth. Emphasis is placed on proofs, as well as using inductive and/or deductive reasoning. Coordinate Geometry and the basic Trigonometric functions are introduced.

Prerequisite - Algebra I. **Students who have completed Basic Geometry may not schedule this course.**

246 HONORS GEOMETRY

WEIGHT 1.08

6 DAY CYCLE

1 CREDIT

Topics include using definitions, postulates, and theorems in a logical reasoning process to reach conclusions pertaining to lines, planes, angles, polygons, and circles. Emphasis is placed on formal proofs.

Prerequisite - This course is designed specifically for students entering ninth grade who have successfully completed Honors Algebra I for eighth grade.

250 ADVANCED MATH I

WEIGHT 1.04

6 DAY CYCLE

1 CREDIT

This course is designed to include an introduction to Trigonometry, Analytic Geometry, and Probability and Statistics. Topics covered will include solutions to triangles; trigonometric equations; conic sections; linear equations; permutations; combinations; mean, median, and mode; and standard deviation. Emphasis will be put on the application of the concepts covered. **Prerequisites** - Basic Algebra I, Basic Geometry, Basic Algebra II.

**255 ADVANCED MATH II
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course is a combination of Trigonometry and Analytic Geometry and is designed for the college-bound student. Topics covered include functions and relations, linear and quadratic equations, parametric equations, trigonometric functions and equations, solutions to triangles, polar equations, rational functions, absolute value functions, exponential and logarithmic functions and equations. The graphing calculator will be introduced in this course. **Prerequisites** - Algebra I or Honors Algebra I, Geometry or Honors Geometry, Algebra II or Honors Algebra II.

**260 PROBABILITY AND STATISTICS
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course will cover statistical graphs and computational analysis of data. Combinations, permutations, conditional probability, distributions with discrete and continuous random variables will be explored. If time permits, hypothesis testing and linear correlation and regression will also be discussed. Students are required to have a scientific calculator (a TI-36X is preferred). Since the TI-83 PLUS will also be used in class, students have the option of purchasing this calculator instead. The TI-83 PLUS is especially recommended for those students who plan to major in mathematics or any major that requires Probability and Statistics to be taken in college. **Prerequisites** - Basic Algebra II, Algebra II, or Honors Algebra II.

**265 CALCULUS
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course is designed to give students an adequate background in higher mathematics upon entering college. Topics covered will include a study of linear, quadratic, polynomial, exponential, logarithmic, and trigonometric functions; and differentiation and integration of these functions with applications. TI83 or TI83 Plus Graphing calculator is required for this course. **Prerequisites** - Algebra I, Honors Algebra I, Geometry, Honors Geometry, Algebra II, Honors Algebra II, Advanced Math II. **Student must be a Senior to schedule this course.**

**270 ADVANCED PLACEMENT CALCULUS
6 DAY CYCLE**

**WEIGHT 1.12
1 CREDITS**

AP Calculus will cover the same topics as Calculus but in a more in-depth manner, as well as several additional topics. More emphasis and interpretation will be placed on the various concepts in abstract form. Applications of the concepts studied will be routinely investigated. A standardized examination at the end of the course can be taken to determine credit and/or placement at the college level, depending on institutional policies, which students are encouraged to investigate prior to selecting this course. A TI83 or TI83 Plus Graphing calculator is required for this course. Students may take this course for dual enrollment credit (see page 6). **Prerequisites** - Algebra I, or Honors Algebra I, Geometry, or Honors Geometry, Algebra II, Honors Algebra II, Advanced Math II. **Student must be a Senior to schedule this course.**

COMPUTERS

**285 COMPUTER APPLICATIONS A - WORD PROCESSING/POWER POINT
18 WEEKS/FALL**

**WEIGHT 1.0
.5 CREDIT**

This course is designed to provide students with an introduction to computer basics (both hardware and software). Word Processing will be emphasized and students will create, format, and edit various documents. Students will also learn to create Power Point presentations. **Prerequisites** - Keyboarding 7 and Document Processing 8.

**286 COMPUTER APPLICATIONS B - SPREADSHEET/DATABASE
18 WEEKS/SPRING**

**WEIGHT 1.0
.5 CREDIT**

This course is designed to provide students with the skills needed to create spreadsheets, databases, and graphs. Students will use the Internet as an educational and research tool. This course will also include an introduction to graphics. **Prerequisites**-Keyboarding 7 and Document Processing 8.

**290 ADVANCED COMPUTER APPLICATIONS
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

In this course students will receive additional and more intensive training on computers and improve their skills in Word Processing, Spreadsheet, Database, and Graphs. This course will also include Integrated Software applications, the Internet, Desktop Publishing, Draw and Paint Graphics, and Power Point.

Prerequisite-Computer Applications A and B with a C average or better.

**291 ADVANCED COMPUTER TECHNOLOGIES
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course is designed for the advanced student looking to expand and apply prior knowledge in one of four computer technology related areas: Advanced Web Design, Advanced Programming, Robotics, or Computer Animation. The student will chose one area of concentration and be required to develop an independent project along with several reports outlining the development stages of the project. The course will also expose the student to educational and career opportunities in their selected field. **Prerequisite -** Instructor approval and successful completion of a previous elective computer class with a minimum grade of B.

**292 INTRODUCTION TO COMPUTER FORENSICS
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course will introduce the field of Computer Forensics to students, as well as expose them to educational and career opportunities. The course is designed for 11th and 12th grade students who have had previous elective computer classes. Labs will include analyzing information and deleted data on floppy disks as well as small hard drives using popular computer forensic software programs. A research paper and presentation will also be required. **Prerequisite -** Successful completion of previous elective computer class with a minimum grade of C.

**295 COMPUTER SCIENCE I
18 WEEKS/FALL**

**WEIGHT 1.04
.5 CREDIT**

This course teaches students the fundamentals of computer programming using the C++ programming language. Additional topics covered may include the history of computers, the generic model of a computer, binary numbers, and flowcharting. An individual program of the student's choice, with instructor approval, will be developed using the features discussed in class and presented before the group.

Prerequisite - Successful completion of previous computer class with a minimum grade of "C".

**296 COMPUTER SCIENCE II
18 WEEKS/SPRING**

**WEIGHT 1.04
.5 CREDIT**

This course teaches students the fundamentals of computer programming using the Visual Basic programming language. An individual program of the student's choice, with instructor approval, will be developed using the features discussed in class and presented before the group. **Prerequisite -** Successful completion of previous computer class with a minimum grade of "C".

**297 NETWORKING I
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

CISCO SYSTEMS is the worldwide leader in networking for the Internet. The overall goal of the course is to educate students to design, build and maintain computer networks. A proposed list of topics to be covered includes: introducing networks, network devices, TCP/IP and IP addressing, internet working, network topology and design, cabling, electricity and electronics, network management, WAN concepts, router basics and configuring CISCO routers. This course can be used for preparation for CCNA (Cisco Certified Network Associate) certification. The above listed topics may be changed as necessary due to advancement in technology. **Prerequisite -** Successful completion of previous computer class with a minimum grade of "C". 10th and 11th grade only.

**298 NETWORKING II
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course is a continuation of concepts previously presented in Networking I. The curriculum covered in Networking II will include switching basics and intermediate routing with focus given to LAN switching theory and VLANs and advanced LAN switched designs. Also included will be WAN theory and design topics. This course can be used for preparation for CCNA (Cisco Certified Network Associate) certification.

The above listed topics may be changed as necessary due to advancement in technology. **Prerequisite -** Successful completion of Networking I with a minimum grade of "C".

**299 FUNDAMENTALS OF WEB DESIGN
3 DAY CYCLE**

**WEIGHT 1.04
.5 CREDIT**

The curriculum for this course includes industry-standard Web design practices and tools using several Adobe products. The focus of this course will be on professional design elements involving layouts, navigation, and interactivity of web pages. Some of the topics presented in this course may be basic web page design, use of various file formats, graphics, animations, site management, and interactive elements. Upon completion of this course the student will receive a Certificate of Completion for Web Design. This course will help prepare students to take the Work Organization of Webmasters Certified Web Design Apprentice exam (CWDSA). **Prerequisite -** Successful completion of previous computer class with a minimum grade of "C".

SOCIAL STUDIES

**315 AMERICAN CULTURES I
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course covers the history of America from the time it was first explored (1492) to beginning of the 20th century. Detailed treatment will be given to topics such as the making of our new nation, the Constitution, the Bill of Rights and the relevance they have to life today in our country. Other topics covered will include: western expansion, sectionalism, the Civil War, slavery - and race relations in general, the growth of American industry, the Populist movement, and the modernization of American society. **This is a 9th grade core requirement that all 9th graders must schedule.**

**320 AMERICAN CULTURES II
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will cover the period of American history starting at the beginning of the 20th century to the present. The main objective of the course will be to give students a clear understanding of how the United States developed into a world power. The course will be divided between domestic and world affairs - including the major wars of this time period, and each topic presented will be examined in terms of its relationship to current local, state, federal, and/or world affairs. **This is a 10th grade core requirement that all 10th graders must schedule.**

**325 WORLD CULTURES
6 DAY CYCLE - FULL YEAR OR
6 DAY CYCLE-DOUBLE PERIOD, ONE SEMESTER**

**WEIGHT 1.00
1 CREDIT**

This course includes basic units of early and later Stone Age peoples and continues with the emergence of the following early civilizations: Egyptian, Sumerian, Babylonian, Assyrian, Hebrew, Phoenician, Persian, Chaldean, and Lydian. The history, geography, and contributions of these civilizations will be discussed. Classical Greece and Rome will be examined closely, as will Medieval Europe, feudal society, the Renaissance, and the Reformation. The building of national monarchies in Europe and the Byzantine and Islamic civilizations will also be covered. **This is an 11th grade core requirement that all 11th graders must schedule.**

**330 PA CULTURES AND HISTORY / RESEARCH
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course covers the history, geography, and culture of the state of Pennsylvania. The different ethnic groups and Indian tribes of the state, and the Colonial and Revolutionary periods will also be topics that are examined. Governmental structures of the state and its counties, its educational history and structure, and the history of transportation and industry will also be stressed, and a brief study of Schuylkill county and the Anthracite coal industry will be included. Research of people, places, and events in our state and county will be required, as will a minimum of one major research project. **Prerequisite -** Student must be in grade 11 or 12.

**335 SOCIAL ISSUES OF THE 21ST CENTURY
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course will include coverage of several distinct disciplines of Social Studies: Governmental studies / Political Science; Sociology; and Economics. Topics that will be covered include: the characteristics of federal, state, and local government in America, including a discussion of the three specific branches of our government - executive, legislative, and judicial - and how these institutions affect our daily lives; the family, gender roles, racial and ethnic relations, and crime and deviance as each exists in our country today; and the social security system, the current tax system, the federal deficit and appropriate consumer education in relation to these topics. **Prerequisite** – Student must be in grade 11 or 12.

**340 GEOGRAPHY
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course will emphasize Human geography, but will also include some place geography. Population, culture, economic development, religion, language, political systems, urban studies, and agricultural and industrial societies will all be discussed. Research papers, projects, and discussion that emphasizes students being able to factually defend their points of view will be required. **Prerequisites** - Students must be in grade 11 or 12.

**345 SOCIOLOGY
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This is a general survey course that pays special attention to the influence of group living and human behavior in order to enhance the study of the fundamental principles of human social history, and offer some insights into the diverse social problems of today. This course will help the student to develop a tolerance and understanding of differences, think objectively about society, and foster a belief that solutions can be found to any problem. **Prerequisite** - Student must be in grade 11 or 12.

**350 SOCIOLOGY PRACTICUM
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course is offered as a more in-depth alternate to Sociology. Students taking this course must complete three objectives: 1. An introduction to the science of sociology, through familiarization with important sociological concepts, research findings, and basic principles; 2. The development of a more accurate picture of the nature and content areas of Sociology; and 3. The completion of an empirical, logical, and objective study of a sociological problem, the method and results of which will be reduced to a research paper/project. **Prerequisite** - Student must be in grade 11 or 12.

**355 U.S. GOVERNMENT / ECONOMICS
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course introduces students to the science of America's government by familiarizing them with important democratic concepts, basic principles, and political findings. Various issues facing our democracy will be examined, as will the intriguing "game" and processes of American politics, and the concepts of Economics and how our government utilizes economic policy in our evolving bureaucratic system of government. The course will culminate with a student research project dealing with the issues facing our national government. **Prerequisite** - Student must be in grade 11 or 12.

**360 ADVANCED PLACEMENT U.S. HISTORY
6 DAY CYCLE**

**WEIGHT 1.12
1 CREDIT**

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, reliability, and importance - and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. **Prerequisites** - Successful completion of American Cultures I & II, and World Cultures with an 93% or better average in each course.

SCIENCE

410 EARTH SCIENCE 6 DAY CYCLE

**WEIGHT 1.00
1 CREDIT**

This course focuses on the study of earth from a geographical, meteorological, astronomical, and oceanographical perspective. Knowledge gained through this course will arm students with a deeper appreciation and awareness of the awesome responsibility that comes along with living on this planet.

415 GENERAL BIOLOGY 6 DAY CYCLE

**WEIGHT 1.00
1 CREDIT**

This course will provide non - college students with the opportunity to explore the "science of life". Topics include the scientific method, tools of the biologists, cells, algae, bacteria, fungi, multi-cellular plants and animals, and principles of genetics and ecology. A wide range of laboratory work will provide hands-on reinforcement of topics. **Prerequisite** - Successful completion of Earth Science.

417 PRACTICAL GENERAL BIOLOGY 6 DAY CYCLE - TWICE DAILY - ONE SEMESTER

**WEIGHT 1.00
1 CREDIT**

THIS CLASS IS FOR STUDENTS ATTENDING THE SCHUYLKILL TECHNOLOGY CENTER.

This course is designed to provide vocational education students the opportunity to explore the "science of life." Topics to be covered will include the scientific method, tools of the biologist, cells, algae, bacteria, fungi, multi-cellular plants and animals, and principles of genetics and ecology. A wide range of laboratory work will provide hands-on reinforcement of these topics.

420 ACADEMIC BIOLOGY 6 DAY CYCLE

**WEIGHT 1.04
1 CREDIT**

This course covers typically what is found in General Biology but is academically more rigorous. Additional topics will include the chemical basis for life, photosynthesis, cellular respiration, protein synthesis, organic variation and diversity of life. Extensive laboratory work and research projects are required. **Prerequisite** - Successful completion of Earth Science.

422 EARTH SCIENCE II 6 DAY CYCLE - TWICE DAILY - ONE SEMESTER

**WEIGHT 1.00
1 CREDIT**

THIS CLASS IS FOR STUDENTS WHO ARE ATTENDING THE SCHUYLKILL TECHNOLOGY CENTER

This course is designed to be an extension of many of the topics covered in Earth Science. Emphasis is placed on individual and group projects in which students will use various geologic instruments to first gather data and then transform it into scaled drawings. Students will use topographic maps, aerial photos, and stereograms to study landforms, and will be introduced to the use of spreadsheets, databases, and word processing with earth science applications. The Internet will be used to gather reliable and valid data, and students will also use the school's weather station to produce a weather summation paper. Other topics will be covered as time permits, and students will develop a portfolio of their work. **Prerequisites** - Student must be in 11th or 12th grade and must have successfully completed Practical General Biology.

425 HUMAN PHYSIOLOGY 6 DAY CYCLE - Double Period, One Semester

**WEIGHT 1.08
1 CREDIT**

This course is designed as an advanced biology course intended for the serious student interested in pursuing a career in nursing, medical technology, medicine, or any other biologically-related fields. Topics covered are the organization of the human body, principles of chemistry, cellular structure and function, intercellular organization, the skeletal system, nervous system, digestive system, respiratory system, vascular system, lymphatic system, and the skin and its appendages. Research papers, presentations, and lab work - including dissections - will accompany the topics described above. **Prerequisite** - Successful completion of 10th grade Academic Biology with a grade of "C" or better.

430 ENVIRONMENTAL SCIENCE 6 DAY CYCLE

**WEIGHT 1.00
1 CREDIT**

This course deals with basic concepts of ecology including energy, limiting factors, competition, and population dynamics. The complex nature of local and global problems mankind faces will be discussed through a decision-making model. This course will emphasize water quality issues with hands-on experience in chemical testing of samples from local streams as well as macroinvertebrate identification.

Additional topics will include: renewable/non-renewable energy sources, agriculture and society, and endangered species. Students will be responsible for experimental design, information retrieval, record keeping, statistical analysis, and written and/or oral exploration of results. Prerequisite - successful completion of 10th grade General or Academic Biology.

**435 ASTRONOMY
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

The purpose of this course is to provide the student with the background needed for understanding and appreciating the recent discoveries and activities that have created the new era in astronomy. It will also deal with the role astronomy has played in enriching our cultural and scientific heritage and to present an enlarged perspective of our relationship with the universe. **Prerequisite** - Successful completion of 10th grade General or Academic Biology.

**440 GEOLOGY
SEMESTER**

**WEIGHT 1.04
.5 CREDIT**

This project and activity oriented semester course builds upon many of the topics introduced in ninth grade Earth Science. Students will explore earth, from the tallest mountains to its' very core, via a global perspective. The landforms and topographic features of Schuylkill County will be emphasized. Many of the activities will be PC and internet based.. **Prerequisite** - Successful completion of 10th grade General or Academic Biology.

**445 ACADEMIC CHEMISTRY I
6 DAY CYCLE-DOUBLE PERIOD, ONE SEMESTER**

**WEIGHT 1.08
1 CREDIT**

This course includes a review of basic mathematics and algebra, a study of atomic structure, classification of elements, writing chemical formulas, balancing chemical equations, empirical and molecular formula calculations, percentage composition, stoichiometric relationships, acids, bases, salts, and balancing equations by ionic and oxidation-reduction methods. Also included will be descriptive and quantitative studies of solution stoichiometry, and thermochemistry. The laboratory part of this course will introduce the student to various laboratory procedures, and the writing of a proper lab report or lab notebook.

Prerequisites - Successful completion of 10th grade General or Academic Biology and Basic Algebra II or Algebra I, or Honors Algebra I.

**447 GENERAL CHEMISTRY I
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This introductory course will cover much of the same material as Academic Chemistry, with less emphasis on mathematical application and greater emphasis on descriptive chemistry. Some basic math skills are still needed however. The following topics will be covered: atomic structure, quantum theory, classification of elements, periodic law, chemical formula writing, balancing chemical equations, and introductory stoichiometry. **Prerequisites** - Successful completion of Algebra I and one science course beyond Earth Science. This course is not open to students that are in or have taken Academic Chemistry.

**450 GENETICS AND BIOTECHNOLOGY
6 DAY CYCLE**

**WEIGHT 1.08
1 CREDIT**

This course will begin with a history of major discoveries in genetics. Structure and function of nucleic acid and proteins will be investigated. The mechanisms of Mendelian inheritance will be explored by mating fruit flies with different characteristics and following the offspring for two generations. Manipulation of DNA will be accomplished with enzymes, bacteriophages, and electrophoresis. Genetic diseases and reproductive technologies will be covered along with discussions of ethical and societal issues stemming from recombinant technology. Students will be responsible for experimental design, aseptic technique, record keeping, statistical analysis, and written explanation of results. Prerequisite: successful completion of Academic Biology.

**455 CHEMISTRY II
6 DAY CYCLE - DOUBLE PERIOD, ONE SEMESTER**

**WEIGHT 1.08
1 CREDIT**

This course will cover the following topics: quantum theory, periodic trends, ionization theory, molecular geometry, bonding theories, and the gas laws. Intermolecular forces and materials chemistry may also be covered and more advanced laboratory techniques, such as spectrophotometry, will be introduced to the student. **Prerequisite** - Successful completion of Academic Chemistry I.

460 PHYSICS**WEIGHT 1.08****6 DAY CYCLE - DOUBLE PERIOD, ONE SEMESTER****1 CREDIT**

This course is designed for the science oriented student. Topics included are: a review of relevant math, problem solving techniques, vector problems, linear velocity and acceleration, Newton's laws of motion, curvilinear motion, power, simple machines, efficiency, cohesive vs. adhesive forces, and capillary action. In addition, advanced topics such as electricity and magnetism, fluid mechanics, waves, relativity and string theory will be discussed. Lab work will be done to reinforce topics covered by lecture. **Prerequisites** - Successful completion of Advanced Math II.

465 ADVANCED PLACEMENT BIOLOGY**WEIGHT 1.12****6 DAY CYCLE - DOUBLE PERIOD, ONE SEMESTER****1 CREDIT**

This course is designed to provide highly motivated students with an opportunity to participate in a college level course and, potentially, earn college credit while still in high school. Through a series of lectures and laboratories, we will explore such topics as the origin, chemistry, and physiology of cells; energy transformations in fermentation and photosynthesis; mitosis, meiosis, and Mendelian genetics; systems of classification; plants; animal physiology; theories and patterns of evolution; and global ecological issues. **Prerequisites** - Successful completion of Academic Biology and Academic Chemistry I.

**470 METEOROLOGY
SEMESTER****WEIGHT 1.04
.5 CREDIT**

This semester course builds on some of the topics explored in ninth grade Earth Science, but does so through activities and projects. Students will study meteorology topics such as composition and structure of the atmosphere, the sun's role in heating the earth, weather maps and charts, fronts, storms, etc. In addition, selected climatology topics will be studied. **Prerequisite** - Successful completion of 10th grade General or Academic Biology.

FOREIGN LANGUAGE**520 SPANISH I****WEIGHT 1.00****6 DAY CYCLE****1 CREDIT**

In Spanish I, the students will develop basic skills and will utilize the present tense in frequent reading, writing, listening, and speaking assignments. They are also introduced to the past tense (preterit) towards the end of the year. The focus of the class is on learning and recalling basic Spanish vocabulary words, phrases and grammar using the four C's (communication, culture, connections and comparisons). Spanish is spoken by the teacher, and the students are encouraged to speak in the target language most of the class time in order to allow students to practice the target language. However, grammar and other needed explanations are done in English. **Prerequisites** - Successful completion of 8th grade reading.

525 SPANISH II**WEIGHT 1.04****6 DAY CYCLE****1 CREDIT**

Spanish II focus on mastering the use of the present tense, the two pasts tenses, preterit and imperfect, and the future tense. In addition, the students will also learn to better communicate in the target language. This class is taught using the four C's (communication, culture, connections and comparisons). Students will also learn about different Latin American countries and their culture in each unit of the textbook. In each chapter students will also watch and have a discussion of a video series of "En Busca de la Verdad." **Prerequisite** - Successful completion of Spanish I.

530 SPANISH III**WEIGHT 1.08****6 DAY CYCLE****1 CREDIT**

In Spanish III, the students will focus in the present, present perfect, pluperfect, future, conditional, preterit, and imperfect indicative as well as the present and imperfect subjunctive in reading, writing, listening and speaking assignments. The focus of the class is more academic as the students are asked to focus on their reading comprehension skills, and correct use of Spanish in oral and written assignments. Spanish is spoken by the teacher for the majority of this class. However, grammar and other explanations are doing in their native language. Each week the students will watch and have a discussion of the video series "La Catrina.": The students will also have an opportunity to immerse themselves in language study, by practicing what they learned in projects and writing assignments. **Prerequisite** - Successful completion of Spanish I and Spanish II.

532 SPANISH IV**6 DAY CYCLE****WEIGHT 1.08****1 CREDIT**

In Spanish IV, students will focus and utilize all the tenses already learned in previous years. Also, they will learn new ones and use them in a variety of listening, reading, writing, and speaking assignments. The focus of the class is to prepare the students for the AP Spanish language examination. Spanish is spoken by the teacher for the majority of this class. However, grammar and other explanations are done in their native language. Each week the students will watch and have a discussion of the video series "El Misterio de la Catrina." The students will also have an opportunity to immerse themselves in language study, by practicing what they learned in projects and writing assignments. **Prerequisite** – Successful completion of Spanish I, II and III.

535 GERMAN I**6 DAY CYCLE****WEIGHT 1.00****1 CREDIT**

This course provides basic vocabulary, grammar, and idiomatic expressions of the German language. It is designed to provide the student with the necessary language tools to understand, speak, and read German as it is used in everyday situations. Writing of the language will be included, and periodic use of tape recordings will supplement textbook use in order to develop listening and speaking skills. **Prerequisites** – Successful completion of 8th grade reading. **Recommendation** - English with a minimum of a "C" grade.

540 GERMAN II**6 DAY CYCLE****WEIGHT 1.04****1 CREDIT**

This course is a continuation of German I, and includes additional German vocabulary and idiomatic expressions and a more detailed study of grammar. Classroom practice and assignments, both in and outside of the text will lead to greater skill development in the areas of understanding, speaking, reading, and writing. Periodic use of taped recordings will supplement textbook use. **Prerequisite** - Successful completion of German I.

545 ADVANCED GERMAN**6 DAY CYCLE****WEIGHT 1.08****1 CREDIT**

This course will stress speaking and writing skills much more than German I or II. Students are expected to use German for daily classroom conversations as well as for textbook and classroom practice activities. Students will be exposed to German literature and culture through short stories, poems, newspaper and magazine articles, and various textbook articles. These readings will form a background of information for class discussions and/or written exercises. An opinion essay is assigned each marking period to promote and develop writing skills. Grammar study is limited to review material and a few topics not previously covered. **Prerequisites** - Successful completion of German I and II.

BUSINESS**605 BUSINESS LAW I****6 DAY CYCLE****WEIGHT 1.0****1 CREDIT**

This course deals with the history of law, the court system, ethics, criminal, tort, and contract law. Additional topics may include cyber law and environmental law. Group work is frequently employed and an individual independent research/presentation project will be required. **Prerequisite** - Student must be in grades 10 - 12.

620 ACCOUNTING IA**18 WEEKS/FALL****WEIGHT 1.0****.5 CREDIT**

Introduces the basic principles and concepts of an accounting system for a service business. Students will learn proper methods and procedures of a complete accounting cycle. Students will analyze and journalize transactions, post, complete an 8-column work sheet, prepare an income statement and balance sheet, and complete end-of-fiscal period work with journal entries. Upon completion of various chapters throughout the course, students will be introduced to an automated accounting computer software program and apply accounting procedures. **Prerequisite** - Student must be in grade 10 -12.

**621 ACCOUNTING IB
18 WEEKS/SPRING**

**WEIGHT 1.0
.5 CREDIT**

Reviews the complete accounting cycle with additional emphasis placed on accounting concepts and procedures for a merchandising business. Journalizing various business transactions involving purchases, cash payments, sales, and cash receipts will be learned. End-of-fiscal period procedures will be followed to complete an 8-column work sheet, financial statements, adjusting and closing entries. Students will continue to use the automated accounting software program. **Prerequisite** - Accounting IA.

**625 ACCOUNTING IIA
18 WEEKS/FALL**

**WEIGHT 1.04
.5 CREDIT**

Guides us through the accounting cycle for a corporation and will increase our accounting skills for this business system. Areas to be covered will be the use of special journals (Purchases, Cash Payments, Sales, Cash Receipts); subsidiary ledgers (Accounts Receivable and Accounts Payable); payroll (records, accounts, taxes, reports); uncollectible accounts; plant assets and depreciation; notes and interest; end-of-fiscal period work. Students will continue to use the automated accounting software program. **Prerequisite** - Accounting IB.

**626 AUTOMATED ACCOUNTING
18 WEEKS/SPRING**

**WEIGHT 1.04
.5 CREDIT**

Deals with the procedures involved with different control systems of accounting. Students will be able to apply all their accounting knowledge and skills to a computerized accounting system. Students will complete input forms, key-enter data, generate and print copies of various reports within each of the following systems: General Ledger, Accounts Payable, Accounts Receivable, and Payroll. **Prerequisite** - Accounting IIA.

**630 YES (Your Employability Skills) CERTIFICATE PROGRAM
6 DAY CYCLE – TWICE DAILY, ONE SEMESTER**

**WEIGHT 1.04
1 CREDIT**

The 120-hour program is a semester long, curriculum-based, elective course that teaches students skills such as conflict resolution, goal-setting, writing, interview training, resume writing and job application tips. Students enrolled in this course receive 116 hours of instruction in communication, health and safety, personal development, quality, teamwork and technology, plus four hours of business and industrial plant tours.

Students who maintain a 95 percent attendance rate, pass the literacy and aptitude tests and pass a drug screening will receive a YES certificate issued by the Northeast PA Manufacturers & Employers Council.

This is a required-elective for all 12th grade students attending the Schuylkill Technology Center.

INDUSTRIAL ARTS

**705 BASIC WOODWORK
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will introduce students to the variety of materials and techniques used in the cabinetmaking and construction trades. Topics covered will include safety, development of original plans, cost estimation, selection, measuring and layout of materials, competency in the use of hand tools and portable power equipment, abrasives, joinery, mechanical fasteners, assembly methods, and finishes. Several projects will be constructed during the duration of the course and students will be exposed to some stationary power equipment. **Because of safety considerations, class enrollment will be limited.**

**710 PLASTICS TECHNOLOGY
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will enable students to develop an understanding of the variety of plastic materials and related processing techniques used with these materials. Students will work with thermoplastic and thermosetting resins and will participate in several design and fabrication projects. This course will provide a solid background for students who plan to further their education in a design-related field or a technical studies area. **Due to safety considerations enrollment in this class will be limited.**

**715 FUNDAMENTALS OF DRAFTING
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will examine the basic principles and skills of the graphic language. Instrument drawings, lettering, geometric construction, technical sketching, shape description, orthographic projection, dimensioning, sectional views, auxiliary views, and revolutions will be some of the topics covered. Pictorial projections, including isometric, cabinet, cavalier, and perspective projections will also be developed, and an introduction to computer-assisted-drafting (CAD) will be given.

**720 MASONRY AND BUILDING CONSTRUCTION
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will include the history and art of brick and block laying, and will provide a basic understanding of common electrical and plumbing systems, along with construction techniques for building any structure. The course will duplicate as closely as possible the techniques and practices of a small or large building contractor and the content will provide students considering Votech with an excellent foundation in the areas of masonry, plumbing, electrical, and building construction. **Due to safety considerations, the enrollment in this class will be limited.**

**725 METALWORKING
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will serve as an introduction to the history, origin, and types of metals. Topics covered will include hand tool identification and basic operation, brazing, welding, soldering, forging, heat treating of metals, and the use and operation of machine tools - including the engine lathe, milling machine, and sandblaster. Safety will be emphasized. **Due to safety considerations, enrollment for this class will be limited.**

**730 ADVANCED METAL
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course is a continuation of metalworking and will include an emphasis on more advanced welding and sheet metal techniques, as well as the various types of metal fastening devices. The student will be required to demonstrate five basic welding joints and produce a sample of sheet metal fabrication. Projects will involve the use of advanced metalworking techniques. **Prerequisite** - a grade of C or better in Metalworking. **Due to safety considerations, enrollment for this class will be limited.**

**735 ADVANCED CABINETMAKING
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

Students who have completed Basic Woodworking may continue their experience with more challenging cabinetwork. Students will work independently on larger furniture, usually taking the whole year to accomplish. Mastery of several techniques, as well as equipment competency, will be expected. Since individualized instruction is emphasized, this course can be repeated for additional credit. Expected levels of achievement shall be elevated in subsequent years. **Prerequisite**-A grade of C or better in Basic Woodwork is required before entering this class. **Due to safety considerations, enrollment for this class will be limited.**

**740 ARCHITECTURAL DRAWING
6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course will involve the procedures necessary to develop residential architectural working drawings. Topics included will be site analysis, design consideration, plot plans, basement and floor plans, wiring and electrical diagrams, and detail and perspective drawings. Emphasis will be placed on preparation and content of drawings, lettering, line quality technique, and presentation quality. **Prerequisite** - A grade of B or better in the Fundamentals of Drafting.

PHYSICAL EDUCATION/ HEALTH

**802 PHYSICAL EDUCATION (Grade 9/10)
3 DAY CYCLE**

**WEIGHT 1.00
.5 CREDIT**

Physical education for grades 9, 10 encompasses introductions to individual and team sport and fitness activities. Activities such as basketball, track, volleyball, cooperative games, softball and flag football will enable students to: Describe and apply concepts of motor skill development that impact the quality of increasingly complex movement; identify and apply practice strategies for skill development; and describe

and apply game strategies to complex games and physical activities. Activities such as swimming, physical fitness and weight lifting will enable students to: Analyze and engage in physical activities that are developmentally/individually appropriate and support achievement of personal fitness and activity goals; analyze the effects of regular participation in moderate to vigorous physical activities in relation to adolescent health improvement; analyze factors that affect the response of body systems during moderate to vigorous activities; analyze factors that affect physical activity preferences of adolescents; analyze factors that impact on the relationship between regular participation in physical activity and motor skill improvement; and describe and apply the components of skill-related fitness to movement performance.

In both 11th and 12th grades, students must take .5 credit of physical education.

**803 PHYSICAL EDUCATION (Grade 11/12)
3 DAY CYCLE, FALL**

**WEIGHT 1.00
.25 CREDIT**

**804 PHYSICAL EDUCATION (Grade 11/12)
3 DAY CYCLE, SPRING**

**WEIGHT 1.00
.25 CREDIT**

The 11th/12th grade Physical Education component encompasses 18 weeks of Individual Lifetime Fitness Activities (6 weeks), Team Sport Activities (6 weeks) and Wellness Activities (6 weeks). Some examples of activities are listed below. **Prerequisite:** Passing grades in 9th and 10th grade Physical Education including an individual unit passing grade in the 9th and 10th grade swimming component.

FOOTBALL: The football activity will enable students to: incorporate knowledge of motor skill development concepts to improve the quality of the motor skills related to the game of football; evaluate the impact of practice strategies on football skill development and improvement; evaluate appropriate movement forms related to the game of football; develop and analyze the application of football game strategies; evaluate weightlifting for appropriate movement forms.

WEIGHT LIFTING: The weight lifting activity will enable students to: evaluate and engage in an individualized weight lifting plan that supports achievement of personal fitness and promotes life-long participation; analyze the effects of regular participation in a self-selected program of weight lifting physical activity; apply knowledge of weight lifting skills and movement concepts to identify and evaluate physical activity and promote personal life-long participation; evaluate weightlifting for appropriate movement forms.

VOLLEYBALL: The volleyball activity will enable students to: incorporate knowledge of motor skill development concepts to improve the quality of motor skills related to the game of volleyball; develop and evaluate the impact of practice strategies volleyball skill development and improvement; evaluate appropriate movement forms related to the game of volleyball; develop and analyze the application of volleyball game strategies.

SOFTBALL: The softball activity will enable students to: incorporate knowledge of motor skill development concepts to improve the quality of motor skill related to the game of softball; develop and evaluate the impact of practice strategies on softball skill development and improvement; evaluate appropriate movement forms related to the game of softball, develop and analyze the application of softball game strategies.

BASKETBALL: The basketball activity will enable students to: incorporate knowledge of motor skill development concepts to improve the quality of motor skills related to the game of basketball; the impact of practice strategies of basketball skill development and improvement; evaluate appropriate movement forms related to the game of basketball; develop and analyze the application of basketball game strategies.

WATER ACTIVITY: The water activity will enable students to: evaluate and engage in an individualized water activity (swimming/aerobics) plan that supports achievement of person fitness and activity goals and promotes life-long participation; analyze the effects of regular water activity participation in a self selected program; evaluate how changes in adult health status may affect water activity participation; incorporate knowledge of motor skill development concepts to improve the quality of motor skills related to water activities; evaluate appropriate movement forms related to water activities.

PERSONAL FITNESS: The personal fitness activity will enable student to: evaluate and engage in individualized aerobic/cardiovascular endurance activities plans that support achievement of personal fitness and activities goals and promote life-long participation; analyze the effects of regular aerobic/cardiovascular endurance in self selected programs; evaluate how changes in adult health status may affect fitness activity participation; evaluate factors that affect physical activity and exercise preferences of adults; analyze the interrelationships among regular participation in personal fitness activity, motor skill improvements and the selection and engagement in lifetime physical activities; and assess and use strategies for enhancing adult group interaction in physical activities.

YOGA: The Yoga activity will enable students to: evaluate and engage in an individualized yoga plan that support achievement of personal fitness and activity goals and promotes life-long participation; analyze the effects of regular participation in a yoga program; evaluate how changes in adult health status may affect the responses of the body systems during moderate to vigorous physical activity; evaluate factors that affect physical activity and exercise preferences of adults; analyze the interrelationships among regular participation in physical activity and the selection and engagement lifetime physical activities; and assess and use strategies for enhancing adult group interaction in physical activities.

LIFEGUARDING: The American Red Cross Lifeguarding Course will be offered. Student electing to take this course must pay the recommended American Red Cross Lifeguarding Course fee. The lifeguarding activity will enable students to: analyze and apply strategies for the management of injuries; evaluate the benefits, risks, and safety factors associated with lifeguarding activities; evaluate how changes in adult health status may affect the responses of body systems during lifeguarding activity; incorporate knowledge of motor skill development concepts to improve the quality of motor skills related to lifeguarding practices; evaluate the impact of practice strategies on skill development and improvement related to lifeguarding activities and evaluate movement forms for appropriate application of scientific and biomechanical principles necessary for lifeguarding activity.

COACHING YOUTH SPORT/CPR: Coaching youth sport will enable students to learn: the responsibilities of being a coach; effective methods of teaching skills; and how to conduct a safe program and respond to emergencies. The American Sport Education Program Coaching Youth Sport course will be used as the curriculum model.

The American Red Cross Community First Aid, CPR and AED for schools and the community re-certification will be offered. Students electing to take this activity must pay the recommended American Red Cross Community CPR re-certification.

The Coaching Youth Sport/CPR activity will enable students to: incorporate and synthesize knowledge of motor skill development concepts to improve the quality of motor skills; evaluate the impact of practice strategies on skill development and improvement; incorporate knowledge of exercise principles, training principles to create a fitness program; evaluate movement forms and give appropriate feedback; analyze the application of game strategies for different categories of physical activity; analyze and apply strategies for the management of injuries.

WELLNESS: This course will incorporate knowledge and practice in lifetime fitness and nutrition. It will include designing and implementing a lifetime movement plan complemented by a sound nutritional plan. This course will also explore and examine current health issues related to teens such as mental health, HIV/AIDS, teen pregnancy and drug and alcohol use/abuse.

**810 ADAPTIVE PHYSICAL EDUCATION
3 DAY CYCLE**

**WEIGHT 1.00
.5 CREDIT**

This course is available to students who are unable to participate in regularly scheduled physical education due to a physician's request. Activities will be assigned according to physician recommendation on a referral form that will be provided to parents and/or students upon request. If a completed referral form is not properly completed and returned, written work will be assigned.

**818 INFO LITERACY AND RESEARCH SKILLS
SEMESTER 3 DAY CYCLE**

**WEIGHT 1.00
.25 CREDIT**

This course will teach the student the basic skills required to locate information in a multitude of formats. Information will be sought, evaluated, and critiqued using a variety of sources, i.e.; books, periodicals, databases, and the Internet. Each student will be taught to look at information critically and decide whether it is accurate, biased, current, and whether the author has authority. The course will be also teach the student some basic tools used in research and the importance of citing the sources they use in the research process. **Required for all 9th grade students.**

823, 824, 825 AND 826 - ALL 10TH GRADE STUDENTS WILL TAKE A 9 WEEK ROTATION.

**823 FIRST AID, CPR AND AED FOR SCHOOLS AND THE COMMUNITY:
9 WEEK 6 DAY CYCLE**

**WEIGHT 1.00
.25 CREDIT**

The goal of this course is to provide students with the knowledge and skills necessary in an emergency to call for help, to help keep someone alive, to reduce pain and to minimize the consequences of injury or sudden illness until advanced emergency medical help arrives.

The content and activities included in this course will prepare participants to recognize emergencies and make appropriate decisions regarding care.

This course also includes information on the prevention of injury and illness, with a focus on personal safety. Using healthy lifestyle-awareness questionnaires, students will assess their environment and personal habits to help reduce their risk of injury and risk to others.

This course is offered in cooperation with the American Red Cross and it's course guidelines. Upon meeting all necessary criteria for American Red Cross course completion, students will receive certification in adult CPR, child CPR, infant CPR, adult AED, child AED and first aid basics.

**824 HEALTH AND SAFETY
9 WEEK 6 DAY CYCLE**

**WEIGHT 1.00
.25 CREDIT**

This 9 week course is designed to enable students to develop a better understanding of common health problems. Topics included are the body systems, nutrition, substance abuse, AIDS education, disease and prevention, and current health issues. **All 8th and 10th grade students must take health and safety.**

**825 DRIVER EDUCATION
9 WEEK 6 DAY CYCLE**

**WEIGHT 1.00
.25 CREDIT**

The goal of this course is for students to become familiar with the Pennsylvania licensing procedure (Learner's permit and Graduated driver licensing). Students will identify traffic laws related to safe driving and proper application of basic driving skills. Students will evaluate the factors that influence individuals to use alcohol, and analyze the problem of driving under the influence. Students will further identify traffic situations and develop avoidance strategies to become safe and competent drivers.

**826 CONSUMER ECONOMICS
9 WEEK 6 DAY CYCLE**

**WEIGHT 1.00
.25 CREDIT**

This course will help make the student an informed consumer. It will focus on specific consumer issues that the student will encounter during their school years and adult life. These issues such as using credit, banking, savings, income and taxes, investments, insurance, shopping skills, purchasing a vehicle, and renting and furnishing an apartment will be addressed. All 10th grade students must take and successfully complete this course.

ART

Students should note that those planning on a career in an art - related field may take more than one art elective a year upon the approval of the art department and administration. Students without approval will be limited to one art credit per year.

**830 BASIC ART / DRAWING
6 DAY CYCLE**

**WEIGHT 1.00
1 CREDIT**

This course will provide an introduction to elements of basic art fundamentals in various media. Topics will include an introduction to drawing techniques such as contour and perspective, basic techniques in painting, design, 3D, and crafts. Projects will include still life, as well as figure, and nature sketching. **Prerequisite** - Successful completion of Art 8.

**835 CRAFTS
SEMESTER**

**WEIGHT 1.0
.5 CREDIT**

This course will include an introduction to basic weaving, stitchery, needlepoint, woodburning, and woodcarving techniques. Other advanced craft projects will include pottery, jewelry, metal enameling, and sculpture, with emphasis placed on skill and technique. **Prerequisite** - A grade of C or better in Basic Art / Drawing.

**840 CARTOONING
SEMESTER**

**WEIGHT 1.0
.5 CREDIT**

This course is designed to introduce students to the basic elements the cartoonist uses to create a completed comic strip or comic book. Students will be required to create a cartoon character, or characters, and then to complete an original comic book that contains a basic story theme and is colored and lettered. **Prerequisite** - A grade of C or better in Basic Art / Drawing.

**845 POTTERY (formerly Ceramics)
SEMESTER**

**WEIGHT 1.0
.5 CREDIT**

This course is designed to allow the student to explore the elements involved in three-dimensional design with clay. Students will be required to work with both hand- built, and wheel-thrown ceramics. Glazing techniques and other finishes will also be studied and utilized. **Prerequisite** - A grade of C or better in Basic Art / Drawing.

**846 ADVANCED POTTERY (formerly advanced ceramics)
SEMESTER**

**WEIGHT 1.04
.5 CREDIT**

In this class you will continue the learned techniques of making - wedging, pinching, coiling, slab building, throwing, joining, molding and turning - and incorporate techniques of decoration, including glazing, slip trailing, inlaying, sprigging, stencils and sgraffito. The aesthetics of pottery, showing how and what makes an effective design and what decorative techniques best suit it will enable each student to approach their creation with confidence. **Prerequisite** - Pottery with a grade of C or better.

**850 SCULPTURE
SEMESTER**

**WEIGHT 1.0
.5 CREDIT**

This course is designed to provide students with hands-on experience in three-dimensional design. Topics covered will include the exploration of form in space through the creation of both objective and nonobjective sculptural forms using various materials (wood, wire, clay, plaster, found objects). The student's previous two-dimensional experiences in drawing and painting will be taken to a third dimension. **Prerequisite** - A grade of C or better in Basic Art / Drawing.

**851 ADVANCED SCULPTURE
SEMESTER**

**WEIGHT 1.04
.5 CREDIT**

The purpose of this class is to offer our students a more enhanced experience with sculptural projects. Students will pursue advanced work with many various materials including, clay, wood, wire and possibility of casting sculptural pieces in metal shop. Students enrolled in this class must have completed basic sculpture class with a grade of B or better.

**855 PHOTOGRAPHY
SEMESTER**

**WEIGHT 1.0
.5 CREDIT**

This course will deal with the technical and aesthetic aspects of photography. Students will work with 35mm, processing black and white 35mm film from negatives to finished prints. The principles of form, shape, line, texture, contrast, design and composition will be explored. **Prerequisite** - A grade of C or better in Basic Art / Drawing.

**856 ADVANCED PHOTOGRAPHY
3 DAY CYCLE**

**WEIGHT 1.04
.5 CREDIT**

The purpose of this class is to offer an enhanced experience with fine photography. Students will have experience taking landscape, portrait, candid, photojournalism, documentary, still life and avant-garde photography while learning the historical background, psychological impact and methods of subject treatment. This class hopes to inspire and start your creative energy flowing in a variety of photographic directions.

Prerequisite - Photography with a grade of C or better.

**857 GRAPHICS
SEMESTER**

**WEIGHT 1.0
.5 CREDIT**

This course will deal with the technical and aesthetic aspects of the graphic artist. Students will work with a variety of materials in creating their own personal illustrations, logos, and lettering. Projects will include designing a compact disc cover, movie poster, packaging of a specific product, and design a restaurant menu. Advertising and commercial art problems will be solved creatively by each individual student. Further experience with computer graphics using available software may also be incorporated. Completion of Basic Art.

**860 STUDIO ART
SEMESTER**

**WEIGHT 1.08
.5 CREDIT**

This course is designed for students who are interested in pursuing a career in art. Projects will be pursued in depth and detail, and complete knowledge of materials and techniques with whatever mediums are used will be required. Individual programs may be established to meet special needs, such as working on a portfolio. This class may be scheduled more than once. **Prerequisites** - A grade of B or higher in all prior art classes and a minimum of 3 art courses.

**870 COLOR / DESIGN THEORY AND PAINTING
SEMESTER**

**WEIGHT 1.00
.5 CREDIT**

This course is designed to provide a strong foundation for painting and other art experiences by exploring design theory and application of color. Students will experience the basic uses and structures of design in two-dimensional form through the use of the color wheel and the implementation of various color schemes. Painting, using a variety of mediums including tempera, water color, acrylic, and oils will be done and composition, use of brush and other painting skills will be taught. **Prerequisite** - A grade of B or better in Basic Art / Drawing, and successful completion of one other art course with a B or better.

**872 ADVANCED COLOR/DESIGN THEORY AND PAINTING
SEMESTER**

**WEIGHT 1.04
.5 CREDIT**

This course follows naturally from Color/Design Theory and Painting. It will emphasize various painting styles and techniques and the explanation of color and its forms in completing individual renderings. Individual artistic skills and style will be encouraged. **Prerequisite** - Successful completion of Color/design Theory and Painting with a grade of A or B.

**873 PORTFOLIO PREPARATION
SEMESTER**

**WEIGHT 1.08
.5 CREDIT**

This course is intended to assist students in preparing a professional portfolio for college board examination in 2 and 3-dimensional design. This type of design involved purposeful decision making about how to use the elements and principles of art in an integrative way. For this portfolio, students are asked to demonstrate proficiency in design using a variety of art forms. These will include, but not limited to graphic design, digital imaging, collage, fabric design, illustration, painting, drawing, ceramics and other forms of art. **Prerequisite:** Successful completion of basic art.

MUSIC

**885 SENIOR HIGH CHORUS
3 DAY CYCLE**

**WEIGHT 1.00
.5 CREDIT**

This course will provide students who enjoy singing with the opportunity to become better and to perform with and for others. Students in grades 9 - 12 are eligible to take this course and will share in experiences relating to; learning and developing proper vocal techniques; becoming familiar with and performing various

music styles; and nurturing the idea of “group concept” while improving as an individual performer. Enrollment will be capped at 75. Priority will be given to older students first. If necessary an audition process will be utilized – students will be informed if this is necessary prior to final schedules being created.

892 BAND 9-12
3 DAY CYCLE
(See description #894)

WEIGHT 1.04
.5 CREDIT

894 BAND 9-12
6 DAY CYCLE

WEIGHT 1.04
1 CREDIT

ALL STUDENTS WISHING TO PARTICIPATE IN THE BAND MUST SIGN UP FOR THIS CLASS.

In this course students will advance both their individual and ensemble performance ability being appropriately challenged via upper level concert repertoire as well as rudimentary and technical exercises. Beyond daily performance participation the class will be structured around music theory and history topics as they relate within the contest of selected repertoire.

895 INSTRUMENTAL METHOD AND REPERTOIRE
SEMESTER OR 3 DAY CYCLE

WEIGHT 1.0
.5 CREDIT

This elective course is offered to students as an opportunity for individual instrumental music instruction during the school day. Regular lessons will be scheduled focusing on students' improvement of performance ability and mastery of basic technique for their instrument. Rudimentary etude exercises as well as challenging solo repertoire will provide opportunity for possible feature performances in and beyond biannual band concerts. This course may also be used as an opportunity for band students who desire to learn and play a second instrument to receive individual instruction during the school day.

900 INTRODUCTION TO MUSIC THEORY
6 DAY CYCLE - ONE SEMESTER

WEIGHT 1.04
.5 CREDIT

This elective course is intended for high school students interested in the structure and foundations of music. Topics covered include; understanding music notation, the Western tonality system and its origins, rhythm and eurhythmics, ear training, and musical form. Students will explore the content through a variety of instruction vehicles including group activities, dictation, compositions, and various other projects..

905 ADVANCED MUSIC THEORY
6 DAY CYCLE - ONE SEMESTER

WEIGHT 1.08
.5 CREDIT

This course is a more in-depth exploration of music's structure and foundations. A greater emphasis in ear training, sight singing with Solfeggio and Kodaly methods, and composition is intended to prepare students for careers and college studies in music.

910 MUSIC HISTORY
6 DAY CYCLE - ONE SEMESTER

WEIGHT 1.04
.5 CREDIT

This course is an advanced class for college-bound students with an interest in music. The course will cover the history of music from the beginning of time through such periods as the per-renaissance, renaissance, baroque, classical, romantic, post-romantic, and twentieth century. Palestrina, Bach, Handel, Haydn, Mozart, Beethoven, Schubert, Copeland, and Gershwin are a few of the composers whose lives and/or work will be covered.

FAMILY AND CONSUMER SCIENCES

930 TEEN LIVING
6 DAY CYCLE

WEIGHT 1.00
1 CREDIT

This course is designed to deal with family living and home life skills. Topics covered will include: child development, including child care; babysitting; money management; shopping; consumer protection; personal care; manners. Projects such as crafts, machine quilting, and needlepoint will be completed by the student as well. Students will be responsible to bring in supplies and fabric for their projects.

Prerequisite - Student must be in grade 9 or 10 to schedule this class.

**940 ADULT LIVING
6 DAY CYCLE**

**WEIGHT 1.0
1 CREDIT**

This course is designed to stress living on your own, selecting a career, interviewing for a job, and writing a resume. Other topics covered will include money management, finding an apartment, personal hygiene, caring for your clothes, selecting and purchasing a car, and preparation for marriage - including the completion of projects related to the marriage itself. **Prerequisite** - Student must be in grades 10 - 12.

**945 FOODS FOR FITNESS
3 - 6 DAY CYCLE**

**WEIGHT 1.04
1 CREDIT**

This course is designed to include the study of nutrition based on modern trends in cooking. Topics covered will include techniques for spending money wisely, becoming a more knowledgeable consumer, using and caring for small appliances, cooking for your health, maintaining your weight, and choosing the best foods for your own personal diet. Through teacher demonstration, students will experience many new healthful culinary delights. **Prerequisite** - Student must be in grades 10 - 12.

**950 CREATIVE FOODS
SEMESTER COURSE**

**WEIGHT 1.0
.5 CREDIT**

In alignment with the PA Standards, this course will explore food technology and its influences on the food industry. Students will evaluate information related to foods and nutrition. Mealtime customs will be explored. Appropriate food lab experiences such as a creative unit on garnishes and original recipes will be included. **Prerequisites** - Student must be in grades 10 - 12 and have completed 8th grade Family and Consumer Sciences with a "C" average or better.

**955 WORLD OF FOODS
SEMESTER COURSE/SPRING**

**WEIGHT 1.04
.5 CREDIT**

This course will explore the varying nutritional needs for each stage of the life cycle including meal planning and preparation. Students will interpret nutritional information given on food labels. Foods of other cultures will be explored through individual country studies and foods prepared representing these selected countries. **Prerequisites** - students must be in grades 10-12 and have completed 8th grade Family and Consumer Sciences with a "C" average or better.