PREFACE

Through a dynamic partnership of educators, learners, and community members, Hazleton Area High School students will develop the skills necessary to become life-long learners in a culturally diverse community. Individuals will be challenged to develop self-responsibility and to reach their highest potential in a safe and supportive environment using technology in a comprehensive curriculum.

Graduation Projects, required of all students as per the Pennsylvania State Board of Education Regulations, are an extension of student learning. They assess your ability to apply, analyze, synthesize, evaluate and communicate information to others. Additionally, these Graduation Projects offer opportunities to explore career options. All projects are reviewed by a faculty panel.

The following course of study has been prepared after many long hours of investigation and study. It is designed to meet the needs of the students at the Hazleton Area High School. If you will read it carefully with thought toward your future goals, you will find that it offers a wide variety of choices intended for a comprehensive education and preparation for future endeavors.

The courses that you take in high school will make a great difference in your life. Students should become familiar with and consider the entrance requirements for college, career/technical schools, military careers, or employment when selecting their high school courses.

Students entering the work force after high school will find that employers are looking for graduates who possess academic and career skills needed to benefit their company. Consult your guidance counselors and teachers for advice on course sequences.

The Hazleton Area School District uses Middle States Association of Colleges and Schools Accreditation, High Schools That Work, the Pennsylvania System of School Assessment (PSSA) and district-wide assessment to provide on-going evaluation of our programs.

More information about our district and district profiles are available at these web sites:

  http://www.education.state.pa.us
GUIDANCE NOTES

DUAL ENROLLEMENT PROGRAM:
College opportunities for high school students are available through local universities. See your guidance counselor for information on this program and others.

HAZLETON AREA VIRTUAL ACADEMY:
Cyber School opportunities are available. Contact Michele Medek at 459-3247.

SPECIAL EDUCATION:
Special education delivers services that are comprehensive, balanced, and appropriate in guiding the students to realize their highest potential. Arrangements must be made through the guidance counselors and the Special Education department.

FOUNDATIONS OF MATHEMATICS COURSES
Integrated Mathematics 9 or Integrated Mathematics 10 - Students are enrolled based upon 8th Grade Keystone Exams/PSSA Scores/PVAAS Predictability/4 Sight test scores and teacher/administrative recommendation. Students are required to take this course and will replace one of the required math courses in the 9th or 10th grade year.
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NONDISCRIMINATION POLICY
It is the policy of the Hazleton Area School District not to discriminate on the basis of race, sex, color, age, religion, ancestry, marital status, or disability in its educational programs, activities, or employment policies. Announcement of this policy is in accordance with State law including the Pennsylvania Human Relations Act and with Federal law, including Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination in Employment Act of 1967, and the Americans with Disabilities Act of 1990.

Cathy Brogan, Title IX Coordinator
Carl Manfredi, 504 Coordinator
1515 W 23rd St
Hazleton, PA 18201
(570) 459-3111
OVERVIEW OF COURSE REQUIREMENTS

Students will take **8 courses** as outlined below. 4 courses will be taken during semester 1 and 4 courses will be taken during semester 2.

**REQUIRED COURSES:**

**ENGLISH**

**English I (101N)**

English I integrates writing, grammar and usage, speaking and listening. It includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. It also emphasizes oral and written response to literature. Writing activities include descriptive, narrative, informational, and persuasive compositions in addition to written responses to literature. Vocabulary development, reference tools, critical thinking, and cooperative learning activities are used to enhance learning.

**Honors English I (1011N)**

**Prerequisite:** 93 or above average in 8th Grade

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**ESL Curriculum is as follows:**

**ESL Newcomer English (9493N)**

This course is designed to address the needs of ninth, tenth, and eleventh grade students who are in the country for less than one year and have limited to no English proficiency. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students enrolled in this course will also be enrolled in System 44 based on the Scholastic Phonics Inventory (SPI). Students may transition to the next proficiency level after one semester based on multiple assessments. Students who take this course both semesters earn two English credits and two elective credits required for graduation.

**Note:** Students will be enrolled in this course based on initial US date of entry and W-APT proficiency test.
ESL English I (949N)
This course provides instruction in English as a Second Language across the
four domains of listening, speaking, reading, and writing. Students work at the
appropriate language proficiency level to develop academic and social proficien-
cy in vocabulary, language forms and functions, literacy and writing. Students
develop reading skills and strategies utilizing authentic literature and content
texts. This course is designed for students whose proficiency level is Entering
according to the PDE English proficiency level guidelines. Students take this
course both semesters and earn one English credit and one elective credit re-
quired for graduation.

Note: This is a required course based on a student's English language
proficiency level.

ESL English II (950N)
ESL English II is an expansion of ESL English I. This course provides instruc-
tion in English as a Second Language across the four domains of listening,
speaking, reading, and writing. Students work at the appropriate language profi-
ciency level to develop academic and social proficiency in vocabulary, language
forms and functions, literacy and writing. Students develop reading skills and
strategies utilizing authentic literature and content texts. This course is designed
for students whose proficiency level is Beginning according to the PDE English
proficiency level guidelines. Students take this course both semesters and earn
one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language
proficiency level.

ESL English III (951N)
ESL English III is an expansion of ESL English II. This course provides instruc-
tion in English as a Second Language across the four domains of listening,
speaking, reading, and writing. Students work at the appropriate language profi-
ciency level to develop academic and social proficiency in vocabulary, language
forms and functions, literacy and writing. Students develop reading skills and
strategies utilizing authentic literature and content texts. This course is designed
for students whose proficiency level is Developing according to the PDE English
proficiency level guidelines. Students may also be enrolled in READ 180 based
on the Scholastic Reading Inventory (SRI). Students take this course both se-
mesters and earn one English credit and one elective credit required for gradu-
ation.

Note: This is a required course based on a student's English language
proficiency level.

ESL English IV (952N)
ESL English IV is an expansion of ESL English III. This course provides instruc-
tion in English as a Second Language across the four domains of listening,
speaking, reading, and writing. Students work at the appropriate language profi-
ciency level to develop academic and social proficiency in vocabulary, language
forms and functions, literacy and writing. Students develop reading skills and
strategies utilizing authentic literature and content texts. This course is designed
for students whose proficiency level is Expanding according to the PDE English
proficiency level guidelines. Students may also be enrolled in READ 180 based
on the Scholastic Reading Inventory (SRI).
Students take this course for one semester and earn one English credit required
for graduation.

Note: This is a required course based on a student's English language
proficiency level.
SOCIAL STUDIES

Civics (206N)
Civics examines the structure, organization and operation of the local, state, and national governments including domestic and national policy-making. This course is a continuation of middle school civics, which studies the rights and duties of citizens.

Honors Civics (2061N)
Prerequisite: 93 or above average in World History I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

SCIENCE

Biology 1A (303N)
This course will emphasize general principles of organism and population biology with a concentration on evolution and diversity among organisms. Emphasis will be placed on structural and physiological adaptations for such processes as nutrition, fluid and gas exchange and hormonal regulation. An understanding of the interactions between organisms and their environment will be explored. Factors that affect the environment will be covered. Research methods and inquiry based laboratories will be emphasized. A research project will be conducted throughout the semester. All students must take Biology IB or Honors Biology IB in order to complete the full biology course.

Honors Biology 1A (3031N)
Prerequisite: 93 or above average in 8th grade science
Honors Biology 1 A includes more rigorous, intensive application of core Biology 1 A content above grade level with required independent reading, research, and laboratory investigations at an accelerated pace.

MATH - A student will choose a math course based on his/her 8th grade math course.

Algebra Concepts (360N)
Algebra Concepts introduces students to the structure and properties of the real number system, and the significance of those properties in solving equations and inequalities. The language and symbolism of Algebra are emphasized. Techniques for solving word problems are incorporated. Logical thinking skills will be developed.

Algebra I (361N)
Algebra I builds upon the concepts introduced in Algebra Concepts which includes thorough investigation of the real number system; equations and inequalities; graphing; systems of equations; factoring; simplifying polynomials and rational algebraic expressions, probability and statistics. Introduction of the complex number system includes a comprehensive study of the operations of radicals.
Honors Algebra I (3611N)
Prerequisite: Algebra Concepts; 93 or above average in Algebra Concepts.
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Plane Geometry (362N)
Plane Geometry is for all college bound and general education students. It includes the study of the properties of physical shapes such as angles, triangles, polygons, and circles. Integrated into the problem solving are the deductive reasoning approach, practical applications, and the use of basic algebraic concepts to arrive at solutions.

Honors Plane Geometry (3621N)
Prerequisite: Algebra I; 93 or better in Honors Algebra I or Algebra I
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

PHYSICAL EDUCATION
PE - 9 (400N)
This course includes a wide variety of sport activities, health topics, fitness and nutrition. Emphasis is placed on the development of fundamental sport skills and components of personal fitness. Collaborative problem-solving, team building, and communication skills are introduced throughout each lesson. The program teaches students the skills necessary to weigh options, to make responsible decisions and to develop behaviors that promote healthful living. In addition, freshmen will participate in a Family Consumer Science Unit.

ELECTIVES
Students may take a second math class as one of their electives. If they choose a second math as an elective, that math course will be taken during semester 2.

Ninth Grade MATH Course Sequence

| Algebra Concepts | Algebra I Honors Algebra I | Plane Geometry Honors Plane Geometry | Algebra II Honors Algebra II |
Honors Algebra II (3631N)
Prerequisite: 93 or above in Honors Plane Geometry or Plane Geometry
Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics. Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Integrated Mathematics 9 (380N)
Students cannot enroll in this course; they will be selected based upon 8th Grade State Assessment scores and teacher/administrative recommendation.

World Language
French I (121N)
French I is an introduction to the language, culture, geography, and people of France. The course provides useful language skills from the outset based on speaking, listening, reading, and writing. Correct pronunciation and practice with the language are emphasized.

Honors French (1211N)
Prerequisite: 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German I (131N)
German I is an introduction to the language, culture, geography, and people of German-speaking countries. Speaking, listening, reading, and writing skills are emphasized. Gender of nouns and present tense verbs are used to develop basic communication skills.

Spanish I for Native Speakers (150N)
Spanish I for Native Speakers focuses on students who are proficient in reading, writing, and speaking Spanish. The course is taught entirely in Spanish and reviews fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information.
NOTE: Students are required to take a Placement Test for this course. Students who do not achieve a passing score of proficient in all testing areas will not be allowed to enroll in this course.

Spanish I (151N)
Spanish I is an introduction to the language, culture, geography, and people of the Spanish-speaking world. Basic sound patterns, functional vocabulary, and fundamental grammatical skills are introduced.

Honors Spanish I (1511N)
Prerequisite: 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
Business

Computer Applications/Keyboarding (712N)
Computer Applications and Keyboarding will enhance the development of basic keyboarding skills, communication skills, and document processing skills using computers. Students will learn how to prepare reports, outlines, letters, tables, resumes, applications, and agendas utilizing word processing software.

Personal Financial Literacy (717N)
Students will be introduced to personal financial literacy concepts such as income sources, income and purchasing power, banking, personal risk management, buying decisions, the cost of credit, credit problems and credit laws, saving and investing options and consumer choices in today’s world economy. A thorough math review in whole numbers, fractions, decimals, equations, percentages and measurement will be integrated into the instruction and projects. Decision-making and problem solving within the context of personal finance will be stressed.

Fine Arts

Visual Arts I (601N)
Visual Arts I is an elective art course designed as an overall introduction to the basic techniques, materials and ideas of creative visual arts. Basic drawing and painting techniques and movements, design elements and principles and familiarity with characteristics of art history will be emphasized.

Crafts I (605N)
This course will provide the students with basic construction methods of a variety of crafts such as: ceramics, metal smiting, coiled basketry, plaster sculpture and weaving. Appropriate tools will be used (looms, pottery wheel, files, saws and rasps, soldering torches, buffing machine). Additional craft activities may also be explored as per instructor.

Concert Band (660N)
Prerequisite: Basic instrumental skills
Band students receive experience in ensemble playing in a variety of musical styles. There will be public performances to display acquired skills. An outgrowth of the band class is the following performing groups: woodwind choir, brass choir, and other small ensembles.

Marching Band (661N)
Prerequisite: Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Freshman/Sophomore Concert Choir (664N)
The Freshman/Sophomore Concert Choir is part of the Cougar Concert Choir. The Choir is designed for all members of the Freshman/Sophomore classes that are interested in participating in the Cougar Concert Choir. This arrangement is made for scheduling purposes. The Concert Choir will have numerous opportunities to perform many styles of choral music at school and public performances. All members of the Concert Choir will study correct vocal production and strive to improve their musicianship.
**Reading**

**Reading Strategies (119N)**
Students will practice and apply reading strategies with a variety of texts. This course is designed to increase students’ strengths to improve academic achievement. Focus will include PSSA prep and study skills.

**Physical Education**

**Exploring Health Careers (420N)**
This introductory course is designed for students interested in healthcare careers. Topics covered are pathogens, healthcare, job interviewing skills, body systems anatomy and medical careers. Guest speakers will be utilized in healthcare positions.

**Career Exploration**

**Exploring Health Related Careers (901N)**
This course provides reliable and realistic information about a variety of health careers, providing the students with exploratory experience in many allied health occupations which will enable them to make more meaningful career choices. Class activities include discussions with various health care and human service professionals, classroom projects, and field trips.

**Explorations In Family and Consumer Science Careers (902N)**
This course prepares students for competence in the area of balancing work and family through the use of technology. Students will learn how to deal with realities of family, workplace, and community. Technology will be used to explore the following areas: family life, consumerism, environmental concerns, safety and security, meal planning and preparation, personal style, establishing credit, housing, dependent care in the family, parenting responsibilities, automobile purchasing, and the use of the Internet. This course will benefit any student interested in a career related to social services, foods and nutrition, child care, consumerism, or housing. It will also benefit any student interested in acquiring independent living skills.

**Explorations In Business Careers (903N)**
This Business Education course offers all students the opportunity to explore business concepts and careers. Students explore seven units of instruction based on the National Standards for Business Education which include: Marketing, Economics & Personal Finance, Business Law, Accounting, International Business, Management, and Entrepreneurship. Each unit introduces key concepts and context-based hands-on activities using Microsoft Office applications. Students also build a foundation of skills through repeated exposure to these important core themes: career development, communication skills, computation skills, information systems and interrelationships of business functions. This course engages students with a fully integrated system that includes: interactive multimedia, multimedia case studies, skill-building activities and creative hands-on problem solving.

**Career Technology Education (904N)**
A cluster Industry/occupational program that provides for a sequence of construction and manufacturing technology applications in a single program of study. This program prepares individuals to apply basic knowledge, application and skills in various fields of Building Construction, Manufacturing and Engineering.
Students will take 8 courses as outlined below. 4 courses will be taken during the first semester and 4 courses will be taken during the second semester.

**REQUIRED COURSES:**

**ENGLISH**

*English II (102H)*

English II includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. This course focuses on oral and written communication skills as well as speaking and listening. Resource skills will be utilized in the completion of a term paper. Literature activities concentrate on critical reading, analysis, and interpretation of diversified literary forms and devices.

*Honors English II (1021H)*

**Prerequisite:** 93 or above average in English I or Honors English I

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**ESL Curriculum is as follows:**

*ESL English I (949H)*

This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy, and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

**Note:** This is a required course based on a student's English language proficiency level.
ESL English II (950H)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

ESL English III (951H)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Developing according to the PDE English proficiency level guidelines. Students may also be enrolled in READ 180 based on the Scholastic Reading Inventory (SRI). Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

ESL English IV (952H)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students may also be enrolled in READ 180 based on the Scholastic Reading Inventory (SRI). Students take this course for one semester and earn one English credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

SOCIAL STUDIES
United States History I (202H)
United States History I is a chronological study of the development of the nation from the Revolutionary Period to the conclusion of World War I. This course includes a comprehensive analysis of all relevant social, economic, political, religious, and literary development in American life.
**Honors United States History I (2021H)**

**Prerequisite:** 93 or above average in Civics

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**Advanced Placement United States History (must take both 2051H and 2051BH)**

**Prerequisite:** 93 or above average in Civics or Honors Civics

Advanced Placement United States History is an intense college level examination of our country's history. In-depth analysis, essays, and discussions of topics in American History help investigate the periods which have brought us to modern day America. **Students must take the Advanced Placement United States History Examination. This is year long two credit course.**

**SCIENCE**

**Biology 1 B (304H)**

**Prerequisite:** Biology 1 A or Honors Biology 1 A

A continuation of Biology IA, topics include: water, biomolecules, enzymes; composition and organization of Prokaryotic and Eukaryotic cells; regulation of cell structure and function; communication between cells and environment; bioenergetics; photosynthesis; cellular respiration; and metabolism, genetics, and mechanisms of evolution. Research articles on current scientific topics will be evaluated throughout the semester. Emphasis will be placed on introducing and developing laboratory skills and providing hands-on experience with modern laboratory equipment.

**This course is required and must be taken after Biology IA or Honors Biology IA**

**Honors Biology 1 B (304H)**

**Prerequisite:** 93 or above average in Biology A or Honors Biology A

Honors Biology 1 B includes more rigorous, intensive application of core Biology 1 B content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace.

**MATH**

**Students will take 2 math courses in 10th grade.**

**Algebra I (361H)**

Algebra I builds upon the concepts introduced in Algebra Concepts. This course includes a thorough investigation of the real number system, equations and inequalities, graphing, systems of equations, factoring, simplifying polynomials and rational algebraic expressions, probability and statistics. Introduction of the complex number system includes a comprehensive study of the operations of radicals.

**Plane Geometry (362H)**

Plane Geometry is for all college bound and general education students. It includes the study of the properties of physical shapes such as angles, triangles, polygons, and circles. Integrated into the problem solving is the deductive reasoning approach, practical applications, and the use of basic algebraic concepts to arrive at solutions.
**Honors Plane Geometry (3621H)**

**Prerequisite:** Algebra I; 93 or better in Honors Algebra I or Algebra I

Honors courses include more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

**Algebra II (363H)**

Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, and irrational and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.

**Honors Algebra II (3631H)**

**Prerequisite:** Plane Geometry; 93 or above in Honors Plane Geometry or Plane Geometry

Honors courses include more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

**Trigonometry (366H)**

Trigonometry is recommended for students who have done well in previous math courses and who have college ambitions in which math are utilized. This course places emphasis on the understanding of definitions and principles of trigonometry and their applications to problem solving. It includes the circular functions concept, identities, radian measure, triangle solutions and vectors. This course includes polar equations and logarithmic functions. Solving right triangles based on trigonometric functions is developed through the course. Scientific calculators are used throughout this course.

**Honors Trigonometry (3661H)**

**Prerequisite:** Algebra II; 93 or above in Honors Algebra II or Algebra II

Honors courses include more rigorous and intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

**Pre-Calculus (365H)**

Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

**Honor Pre-Calculus (3651H)**

**Prerequisite:** Trigonometry; 93 or above in Honors Trigonometry or Trigonometry

Honors courses include more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
Integrated Mathematics 10 (380H)
This course is specifically designed and required for selected 10th grade students to advance their mastery of the state standards for mathematics. This course will count as a required math course. Admission into the course is by administrative approval only.

Tenth Grade Math Course Sequence

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PHYSICAL EDUCATION
Health and Wellness 10 (401H)
This course is designed to contribute to the physical, intellectual, social and emotional well-being of the student. The curriculum is devoted to purposeful instruction in developmentally appropriate activities to promote a positive self-concept through fitness, sport, swimming, and lifetime activities. Each student is able to achieve success according to his or her own ability. The Presidential Challenge and Fitnessgram are administered to determine each student’s needs. The health component includes drug and alcohol awareness and Nutrition.

World Language
French I (121H)
French I is an introduction to the language, culture, geography, and people of France. The course provides useful language skills from the outset based on speaking, listening, reading, and writing. Correct pronunciation and practice with the language are emphasized.

Honors French I (1211H)
Prerequisite: 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

French II (122H)
Prerequisite: French I or Honors French I
French II provides a smooth transition from Level I with a review of the vocabulary, grammar, and cultural topics previously learned. The focus is on increasing vocabulary and grammar skills through speaking, reading, writing, and listening. Correct pronunciation and practice exercises are emphasized.

Honors French II (1221H)
Prerequisite: 93 or above average in French I or Honors French I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
German I (131H)
German I is an introduction to the language, culture, geography, and people of German-speaking countries. Speaking, listening, reading, and writing skills are emphasized. Gender of nouns and present tense verbs are used to develop basic communication skills.

German II (132H)
Prerequisite: German I or Honors German I
German II continues to focus on developing basic communication skills by using vocabulary, grammar, and cultural topics learned in German I. Topics covered in German II expand on the essentials for reading, writing, and speaking the language.

Honors German II (1321H)
Prerequisite: 93 or above average in German I or Honors German I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Spanish I for Native Speakers (150H)
Spanish I for Native Speakers focuses on students who are proficient in reading, writing, and speaking Spanish. The course is taught entirely in Spanish and reviews fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information.
NOTE: Students are required to take a placement test for this course. Students who do not achieve a passing score of proficient in all testing areas will not be allowed to enroll in this course.

Spanish I (151H)
Spanish I is an introduction to the language, culture, geography, and people of the Spanish-speaking world. Basic sound patterns, functional vocabulary, and fundamental grammatical skills are introduced.
Spanish II for Native Speakers (1523H)
**Prerequisite:** Spanish I for Native Speakers
Spanish II for Native Speakers continues the study of fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information, while moving students towards a more formalized level of reading, writing, and speaking Spanish. Students discuss topics in depth, write essays, and analyze literature and poetry in their native language.

Spanish II (152H)
**Prerequisite:** Spanish I or Honors Spanish I
Spanish II reviews and reinforces vocabulary and basic grammar skills taught in Spanish I. The student is introduced to the present progressive and preterit tenses of the verb. Students converse and write using more complex grammar and vocabulary, and major cultural concepts are taught through cultural readings.

Honors Spanish II (1521H)
**Prerequisite:** 93 or above average in Spanish I or Honors Spanish I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**ELECTIVES:**

**Technology**

JAVA 1 (772H)
**Prerequisite:** Algebra II
This course is an introduction to software programming, using the Java™ programming language. Students will learn the fundamentals of Java™. The focus is on developing high quality, working software that solves real problems.

**Business**

Accounting I (701H)
Accounting I introduces the basic accounting concepts and procedures used by sole proprietorships and partnerships. Students taking this course will learn how to keep business records for both service and merchandising businesses. Skills learned can be used directly on the job or to provide the necessary foundations for more advanced business courses in college.
Accounting II (702H)
Prerequisite: Accounting I
Accounting II is designed to further enhance accounting skills. Emphasis is placed on accounting procedures which include inventory control methods, payroll procedures, and depreciation. The basic design is to increase competencies for those who wish to enter accounting careers directly upon graduation from high school in addition to those who will study other business courses at the college level.

Business Law (782H)
Business Law is designed to create an awareness of the laws that pertain to business, personal life, and various professions and trades. This course explores the foundations of our laws and legal systems, constitutional rights, amendments, and forms of dispute resolution. Emphasis is on individual rights, contracts, real estate conveyance, insurance, liability (personal and business), wills and trusts, commercial papers, etc.

Web Page Design (780)
Prerequisite: Algebra I
This hands-on course includes principles of design, HTML (Hyper Text Markup Language) coding used to create web pages, graphics, animation, and web site maintenance. The Internet is used as a research tool, and effective searching skills are taught and applied. Topics include fundamental tags, tables, forms, JavaScript, and style sheets.

Fine Arts
Visual Arts I (601H)
Visual Arts I is an elective art course designed as an overall introduction to the basic techniques, materials, and ideas of creative visual arts. Basic drawing and painting techniques and movements, design elements and principles, and familiarity with characteristics of art history will be emphasized.

Visual Arts II (602H)
Prerequisite: Visual Arts I
Visual Arts II provides concentrated work in selected areas of two-dimensional and three-dimensional design. Drawing, painting, sculpture, and printmaking are included. Students will be expected to work independently and demonstrate growth and understanding in the handling of various materials, techniques, concepts, and ideas.

Crafts I (605H)
Prerequisite: Crafts I
This course will provide the students with basic construction methods of a variety of crafts such as: ceramics, metal smithing, coiled basketry, plaster sculpture and weaving. Appropriate tools will be used (looms, pottery wheel, files, saws and rasps, soldering torches, buffing machine). Additional craft activities may also be explored as per instructor.

Crafts II (608H)
Prerequisite: Crafts I
This course will concentrate work in the areas of ceramics and metalsmithing. Hand building and throwing on the pottery wheel and more advanced metalsmithing techniques will be included. Students will be expected to work independently and to demonstrate growth in each medium.
Beginning Painting (612H)
Prerequisite: Visual Art I
Beginning Painting is designed as an overall introduction to the basic techniques used in watercolors, acrylics, and oil paints. Students will learn a variety of ways to apply paint to capture different textures and styles and will be expected to demonstrate these in their own works. Students will study different artists and their painting styles.

Concert Band (660H)
Prerequisite: Basic instrumental skills
Band students receive experience in ensemble playing in a variety of musical styles. There will be public performances to display acquired skills. An outgrowth of the band class is the following performing groups: woodwind choir, brass choir, and other small ensembles.

Marching Band (661H)
Prerequisite: Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Freshman/Sophomore Concert Choir (664H)
The Freshman/Sophomore Concert Choir is part of the Cougar Concert Choir. The Choir is designed for all members of the freshman and sophomore classes that are interested in participating in the Cougar Concert Choir. This arrangement is made for scheduling purposes. The Concert Choir will have numerous opportunities to perform many styles of choral music at school and public performances. All members of the Concert Choir will study correct vocal production and strive to improve their musicianship.

Cougar Concert Choir (665H)
Prerequisite: Teacher approval
Cougar Concert Choir is designed for all students of the high school who are interested in performing choral music. All members of the Concert Choir will study correct vocal production and strive to improve their musicianship. The Concert Choir performs many styles of choral music at various school and public performances. Participation in this ensemble will allow eligibility for District, Regional, and All-State choral competitions and festivals.

Music Theory/Technology I (667H)
Music Theory/Technology will use computers, synthesizers, and related software to experiment, create, and experience different styles of music and sound. Students will gain hands-on experience using technology to develop their individual needs and preferences by creating their own compositions and the analysis of existing compositions. Students will receive instruction in all the elements of music: ear training, melody writing, harmony, and other areas of musical terminology. Students will develop musical skills and the knowledge of the fundamentals of music theory in this course.
English

Journalism (111H)
Prerequisite: English I
Media studies is a writing-intensive English elective in which students explore the history of journalism as it relates to media and society today. Major areas of study include article writing for print, story structures for news and features, reporting principles, broadcast media, web-based media, advertising, public relations, and legal and ethical issues pertaining to mass media.

Social Studies

World Cultures (227H)
A political, socio-cultural perspective of the world will be analyzed through the ideologies of each prominent cultural region of the world (i.e. Middle Eastern, Asian, Latino, African, etc.). The course will provide a greater understanding of the significant similarities of the world’s population as well as explore diversity and citizenship in the context of a global society.

World Language

French III (123H)
Prerequisite: French II or Honors French II
French III continues to build upon skills in conversation, reading, and writing. Students are introduced to the past tense and further expansion of vocabulary. Topics of interest include learning about French homes, understanding French government, and learning interesting facts about well-known French cities.

Honors French III (1231H)
Prerequisite: 93 or above average in French II or Honors French II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German III (133H)
Prerequisite: German II or Honors German II
German III continues to build and refine communication skills in both the present and past tense by means of longer and more complex conversational patterns and writing assignments. Emphasis is placed on correct pronunciation and grammatically correct phrase and sentence structure.

Honors German III (1331H)
Prerequisite: 93 or above average in German II or Honors German II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
Spanish III (153H)
**Prerequisite:** Spanish II or Honors Spanish II
Spanish III reviews the basic grammar skills learned in Spanish I and Spanish II. Students are introduced to more complicated grammar structures. Speaking, writing, reading, and listening skills are reinforced through active student participation in class activities.

Honors Spanish III (1531H)
**Prerequisite:** 93 or above average in Spanish II or Honors Spanish II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**PHYSICAL EDUCATION**

Athletic Health Care I (420H)
Athletic Health Care I is designed for students interested in a career as a health care professional. This course will be specific to the care, prevention, treatment and rehabilitation of athletic injuries. The course content will include basic human anatomy, conditions commonly associated with athletic injuries, initial evaluation and treatment of the injured athlete, immobilization and taping techniques, principles of rehabilitation, the application of modalities, nutrition, and strength training. Students will have “hands-on” learning experiences.

Lifeguard Training (419H)
**Prerequisite:** Grade 9 Physical Education, the ability to swim 300 yards continuously (using the front crawl and the breaststroke), tread water for 2 minutes using only the legs, and complete a timed event within 1 minute and 40 seconds.
This course is designed to train lifeguards. The American Red Cross Lifeguard training course will be used and certification in lifeguarding and the Professional Rescuer can be achieved. Students who want Red Cross Certification will have to pay a fee of thirty five dollars for new certifications and twenty seven dollars for renewals. This course can be substituted for Physical Education Grades 10-11-12.

Athletic Health Care II (421H)
**Prerequisite:** Athletic Health Care I
Athletic Health Care II is designed for those students who are interested in a career as a health care professional. This course will be an extension of Athletic Health Care I and will include advanced techniques in the care, prevention, treatment, and rehabilitation of athletic injuries. The course content will include advanced and specific methods of the evaluation and rehabilitation of specific athletic injuries, along with specific taping techniques for various athletic injuries.
OVERVIEW OF COURSE REQUIREMENTS

Students will take 8 courses as outlined below. 4 courses will be taken during semester 1 and 4 courses will be taken during semester 2.

REQUIRED COURSES:

ENGLISH

English III (103H)
English III involves an advanced study and practice of the principles of effective writing with an emphasis on the various types of discourse and the research process. Students will explore the general background, progress, and development of American literature, including appropriate vocabulary. Students are required to complete a research paper.

Honors English III (1031H)
Prerequisite: 93 or above average in English II or Honors English II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

ESL Curriculum is as follows:

ESL English I (949H)
This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English II (950H)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.
ESL English III (951H)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Developing according to the PDE English proficiency level guidelines. Students may also be enrolled in READ 180 based on the Scholastic Reading Inventory (SRI). Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student’s English language proficiency level.

ESL English IV (952H)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students may also be enrolled in READ 180 based on the Scholastic Reading Inventory (SRI). Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student’s English language proficiency level.

SOCIAL STUDIES
United States History II (203H)
United States History II is a continuation of United States History I. It covers from the Roaring Twenties to the present. Emphasis is placed on historic, economic, and political developments that lead to an understanding of today’s American society, its problems, and its achievements.

Honors United States History II (2031H)
Prerequisite: 93 or above average in United States History I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
SCIENCE

Chemistry 1A (310H)
Prerequisite: Algebra I and Biology I
All students must complete Honors Chemistry 1B or Chemistry 1B in order to complete a full Chemistry course.
Chemistry 1A integrates basic inorganic chemistry with math topics. The content of this course includes studying properties of matter and energy, naming compounds and writing chemical formulas, properties of mixtures, chemical bonding, atomic theory, behavior of electrons in atoms, periodicity of elements, the mole, using models to illustrate bonding, and stoichiometry. All students must complete Chemistry 1B in order to complete a full chemistry course.

Honors Chemistry 1A (3101H)
Prerequisite: 93 or above average in Honors Biology 1A or Biology 1B, and 93 or above average in Algebra I
Honors Chemistry 1A includes more rigorous, intensive application of core Chemistry 1A content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace.

Chemistry 1B (311H)
Prerequisite: Chemistry 1A and Algebra I, Biology 1A & Biology 1B or Honors Biology 1A and Honors Biology 1B
Chemistry 1B, the continuation of Chemistry A, will investigate additional chemistry content. The topics include the use of stoichiometry relationships to calculate reactants, products, and limiting reactants and products in a chemical reaction, synthesis, decomposition, replacement and combustion reaction, thermodynamics, gas laws, solutions, molarity, and acid-base-salt/buffers theory. This course is required in order to complete a full chemistry course following Chemistry.

Honors Chemistry 1B (3111H)
Prerequisite: 93 or above average in Honors Chemistry 1A, and 93 or above average in Algebra I
Honors Chemistry 1B includes more rigorous, intensive application of core Chemistry 1B content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace. Honors Chemistry 1B or Chemistry 1B is a requirement that must be taken in order to complete a full chemistry course.

MATH

Algebra II (363H)
Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.
Honors Algebra II (3631H)
Prerequisite: Plane Geometry; 93 or above in Honors Plane Geometry or Plane Geometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Probability and Statistics (364H)
Probability and Statistics is intended for college-bound students who anticipate needing this material for their future courses of study. Students with an interest in business or the social sciences (psychology, sociology, etc.) should strongly consider taking this elective course. Probability and both descriptive and inferential statistics will be discussed at length. **This course cannot be taken until Algebra II credit is achieved.**

Honors Probability and Statistics (3641H)
Prerequisite: Algebra I, Plane Geometry, and Algebra II; 93 or above in Honors Algebra II or Algebra II
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Trigonometry (366H)
Trigonometry is recommended for students who have done well in previous math courses and who have college ambitions in which math are utilized. This course places emphasis on the understanding of definitions and principles of trigonometry and their applications to problem solving. It includes the circular functions concept, identities, radian measure, triangle solutions and vectors. This course includes polar equations and logarithmic functions. Solving right triangles based on trigonometric functions is developed through the course. Scientific calculators are used throughout this course.

Honors Trigonometry (3661H)
Prerequisite: Algebra II; 93 or above in Honors Algebra II or Algebra II
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Pre-Calculus (365H)
Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This particular course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

Honor Pre-Calculus (3651H)
Prerequisite: Trigonometry; 93 or above in Honors Trigonometry or Trigonometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
Calculus I (367H)
Calculus I includes both derivatives and integrals of polynomials, exponential functions, trigonometric functions, and logarithmic functions. Applications of derivatives and integrals are also introduced. A strong foundation in algebra and graphing functions is essential.

Honors Calculus I (3671H)
Prerequisite: Pre-Calculus or Honors Pre-Calculus; 93 or above average in Honors Pre-Calculus or Pre-Calculus
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Advanced Placement Calculus (must take both 3701H and 3701BH)
Prerequisite: 93 or above average in Honors Pre-Calculus or Pre-Calculus
Advanced Placement Calculus is a college level calculus class designed for those students entering mathematics or science related field. The selection of topics is designed to meet the requirements set forth in the syllabus of the Advanced Placement Calculus AB Exam. Major topics include differential and integral calculus along with their applications.
Students are required to take the Advanced Placement Examination. This is a yearlong 2 credit course.

World Language
French II (122H)
Prerequisite: French I or Honors French I
French II provides a smooth transition from Level I with a review of the vocabulary, grammar, and cultural topics previously learned. The focus is on increasing vocabulary and grammar skills through speaking, reading, writing, and listening. Correct pronunciation and practice exercises are emphasized.

Honors French II (1221H)
Prerequisite: 93 or above average in French I or Honors French I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German II (132H)
Prerequisite: German I or Honors German I
German II continues to focus on developing basic communication skills by using vocabulary, grammar, and cultural topics learned in German I. Topics covered in German II expand on the essentials for reading, writing, and speaking the language.

Honors German II (1321H)
Prerequisite: 93 or above average in German I or Honors German I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
Spanish II for Native Speakers (1523H)
Prerequisite: Spanish I for Native Speakers
Spanish II for Native Speakers continues the study of fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information, while moving students towards a more formalized level of reading, writing, and speaking Spanish. Students discuss topics in depth, write essays, and analyze literature and poetry in their native language.

Spanish II (152H)
Prerequisite: Spanish I or Honors Spanish I
Spanish II reviews and reinforces vocabulary and basic grammar skills taught in Spanish I. The student is introduced to the present progressive and preterit tenses of the verb. Students converse and write using more complex grammar and vocabulary, and major cultural concepts are taught through cultural readings.

Honors Spanish II (1521H)
Prerequisite: 93 or above average in Spanish I or Honors Spanish I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

French III (123H)
Prerequisite: French II or Honors French II
French III continues to build upon skills in conversation, reading, and writing. Students are introduced to the past tense and further expansion of vocabulary. Topics of interest include learning about French homes, understanding French government, and learning interesting facts about well-known French cities.

Honors French III (1231H)
Prerequisite: 93 or above average in French II or Honors French II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German III (133H)
Prerequisite: German II or Honors German II
German III continues to build and refine communication skills in both the present and past tense by means of longer and more complex conversational patterns and writing assignments. Emphasis is placed on correct pronunciation and grammatically correct phrase and sentence structure.

Honors German III (1331H)
Prerequisite: 93 or above average in German II or Honors German II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
Spanish III (153H)
Prerequisite: Spanish II or Honors Spanish II
Spanish III is designed to review the basic grammar skills learned in Spanish I and Spanish II. Students are introduced to more complicated grammar structures. Speaking, writing, reading, and listening skills are reinforced through active student participation in class activities.

Honors Spanish III (1531H)
Prerequisite: 93 or above average in Spanish II or Honors Spanish II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

ELECTIVES

Students may take a second math class as one of their electives. If they choose a second math as an elective, that math course will be taken during semester 2.

Eleventh Grade MATH Course Sequence

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Business

Accounting I (701H)
Accounting I introduces the basic accounting concepts and procedures used by sole proprietorships as well as partnerships. Students taking this course will learn how to keep business records for both service and merchandising businesses. Skills learned can be used directly on the job or to provide the necessary foundations for more advanced business courses in college.

Accounting II (702H)
Prerequisite: Accounting I
Accounting II is designed to further enhance accounting skills. Emphasis is placed on accounting procedures which include inventory control methods, payroll procedures, and depreciation. The basic design is to increase competencies for those who wish to enter accounting careers directly upon graduation from high school in addition to those who will study other business courses at the college level.
Business Principles and Management (781H)  (Grades 11 & 12)
The Business Principles and Management course focuses on establishing a foundation of established business principles and practices that form the groundwork for all business operations. Business fundamentals such as organizational structures, human resource planning, financing and financial operations, global competition, and business ethics will be stressed. The use of today’s technology which includes the modification of physical plant structures to be more energy/cost efficient will also be discussed.

Business Law (782H)
Business Law is designed to create an awareness of the laws that pertain to business, personal life, and various professions and trades. This course explores the foundations of our laws and legal systems, constitutional rights, amendments, and forms of dispute resolution. Emphasis is on individual rights, contracts, real estate conveyance, insurance, liability (personal and business), wills and trusts, commercial papers, etc.

Web Page Design (780H)
Prerequisite: Algebra I
This hands-on course includes principles of design, HTML (Hyper Text Markup Language) coding used to create web pages, graphics, animation, and web site maintenance. The Internet is used as a research tool and effective searching skills are taught and applied. Topics include fundamental tags, tables, forms, javascript, and style sheets.

Fine Arts
Visual Arts I (601H)
Visual Arts I is an elective art course designed as an overall introduction to the basic techniques, materials and ideas of creative visual arts. Basic drawing and painting techniques and movements, design elements and principles and familiarity with characteristics of art history will be emphasized.

Visual Arts II (602H)
Prerequisite: Visual Arts I
Visual Arts II provides concentrated work in selected areas of two-dimensional and three-dimensional design. Drawing, painting, sculpture, and printmaking are included. Students will be expected to work independently and demonstrate growth and understanding in the handling of various materials, techniques, concepts and ideas.

Visual Arts III (603H)
Prerequisite: Visual Arts II
Visual Arts III continues work in selected areas of two-dimensional and three-dimensional design. There is concentrated emphasis on drawing, painting, sculpture, print-making, and art history. Emphasis is on the personal growth and style of the student.

Crafts I (605H)
This course will provide the students with basic construction methods of a variety of crafts such as: ceramics, metal smiting, coiled basketry, plaster sculpture and weaving. Appropriate tools will be used (looms, pottery wheel, files, saws and rasps, soldering torches, buffing machine). Additional craft activities may also be explored as per instructor.
Crafts II (608H)
Prerequisite: Crafts I
This course will concentrate work in the areas of ceramics and metalsmithing. Hand building and throwing on the pottery wheel and more advanced metalsmithing techniques will be included. Students will be expected to work independently and to demonstrate growth in each medium.

Crafts III (609H)
Prerequisite: Crafts II
Work will be concentrated in the areas of clay and metalsmithing. Students will be expected to work independently to foster growth and development of a personal style. Advanced areas will include metal casting, enameling and glass fusing.

Beginning Painting (612H)
Prerequisite: Visual Art I
Beginning Painting is designed as an overall introduction to the basic techniques used in watercolors, acrylic, and oil paints. Students will learn a variety of ways to apply paint to capture different textures and styles and be expected to demonstrate these in their own works. Students will study different artists and their painting styles.

Concert Band (660H)
Prerequisite: Basic instrumental skills
Band students receive experience in ensemble playing in a variety of musical styles. There will be public performances to display acquired skills. An outgrowth of the band class is the following performing groups: woodwind choir, brass choir, and other small ensembles.

Marching Band (661H)
Prerequisite: Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Cougar Concert Choir (665H)
Prerequisite: Teacher approval
Cougar Concert Choir is designed for all students of the high school who are interested in performing choral music. All members of the Concert Choir will study correct vocal production and strive to improve their musicianship. The Concert Choir performs many styles of choral music at various school and public performances. Participation in this ensemble will allow eligibility for District, Regional, and All-State choral competitions and festivals.
Music Appreciation (666H)
For the student who has a desire to study classical music. Music Appreciation is designed to develop students' knowledge of music as it has progressed to the present day through the enhancement of listening skills. Students should gain enough musical background to become adequate consumers and advocates of music. Time periods covered are: Primitive, Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century, Jazz, and Rock & Roll.

Music Theory/Technology I (667H)
Music Theory/Technology will use computers, synthesizers, and related software to experiment, create and experience different styles of music and sound. Students will gain hands-on experience using technology to develop their individual needs and preferences by creating their own compositions and the analysis of existing compositions. Students will receive instruction in all the elements of music: ear training, melody writing, harmony and other areas of musical terminology. Students will be developing musical skills and the knowledge of the fundamentals of music theory in this course.

Advanced Music Theory/Technology II (668H)
Prerequisite: Music Theory/Technology I
Advanced Music Theory/Technology is an extension of Music Theory I with further emphasis on arranging, orchestration, composition, and harmonic analysis. Upon completion of this course, the student will have covered the necessary material to successfully enter a college music program.

English

Journalism (111H)
Prerequisite: English I
Journalism is a writing-intensive English elective in which students explore the history of journalism as it is relevant to media and society today. Major areas of study include article writing for print, story structures for news and features, reporting principles, broadcast media, web-based media, advertising, public relations, and legal and ethical issues pertaining to mass media.

Creative Writing I (114H)
Prerequisite: English I or Honors English I
Creative Writing I offers instruction in the various forms of imaginative writing. Students will study selected samples of prose, drama, and poetry as inspiration for their original compositions. Emphasis is placed on self-expression while developing proficiency in narrative, descriptive, persuasive, and expository writing. Projects include the following genres: horror, science fiction, and satire. In addition, basic forms of poetry, methods of print advertising, and scriptwriting will be studied. A class literary arts magazine will be produced.
Critical Reading and Argumentation (116H)
This course seeks to prepare students for college and beyond with the power of expression. It offers students the opportunity to develop their speaking and writing skills and to appreciate the place of argument and advocacy in shaping their worlds. Students will learn the components of effective persuasive writing and sound argumentation. Students will have the opportunity to hone their own skills in these areas through various writing assignments, reading assignments, oral presentations, and role-playing projects.

Science

Microbiology/Genetics (330)
Prerequisite: Biology A and Biology B
Microbiology/Genetics is an accelerated class that begins with a review of basic biological concepts in microbiology and genetics. The course includes an in-depth study of microbiology and genetics. Students who are considering careers in biology, science technology, health service or related fields should find this course a valuable asset to their continuing education.

Physiology (3077348)
Prerequisite: Biology A and Biology B
Physiology is an elective course designed to prepare students entering the allied health field, especially nursing, pre-med, dentistry physician’s assistant, and physical therapy. The course focuses on a projects based design, lecture and discussion with practical lab experiences to teach the relationship between structure (anatomy) and function (physiology) of the human body.

Pre-Engineering I (916H)
This course is designed to prepare students thinking of pursuing an Engineering degree in college. Electrical and mechanical theory, advanced problem solving, calculator use, career exploration, pneumatic and hydraulic systems, electrical, and computer control systems, robotics, automated manufacturing, static mechanical systems design and materials testing are explored.

Pre-Engineering II (917H)
Prerequisite: Pre-Engineering I
As a continuation of Level I, Engineering topics are explored in greater detail. Higher order problem solving, advanced control systems, computer control programming, electronic circuit and mechanical static truss design are emphasized.

Robotics Design Engineering (919H)
In this course, students will explore robotics and its applications in our society today and tomorrow. Students arranged in teams will design and construct their own robots to perform specific tasks. Finalized robots will be pitted against each other in competitions to determine the best design. Students will also work together on ongoing larger projects such as design/modification of ROVs (Remote Operated Vehicle/Submersible robot), land based all-terrain robotic platforms, and their payloads. Example: Work with the biology department to create a ROV to explore and gather samples of life at the bottom of a local lake. Students should have interest in wanting to learn about mechanical devices as well as electronics circuits. Programming ability and experience with electronics is a plus, but certainly not a requirement.
Social Studies

Street Law (220H)
Street Law offers students an opportunity to gain a practical view of basic issues which confront individuals in everyday life. Street Law is designed to provide insights into specific areas of law such as civil, criminal, family, housing, and constitutional issues. This course is offered to juniors and seniors.

Sociology (222H)
Sociology is a course designed for students to focus on the use of sociological perspective to examine culture, social structure, social institutions, social inequality, and the individual in society. Work will be conducted through research projects, oral discussions, real life applications and group dynamics. This elective is open to juniors and seniors.

Psychology I (223H)
Psychology introduces the student to the fascinating study of human thinking and behavior. Students will explore the roles that emotion, stress, heredity, environment, and motivation play in human development. Current topics in psychology will also be analyzed, discussed and critiqued. This elective is open to juniors and seniors.

World Cultures (227H)
A political, socio-cultural perspective of the world will be analyzed through the ideologies of each prominent cultural region of the world (i.e. Middle Eastern, Asian, Latino, African, etc.). The course will provide a greater understanding of the significant similarities of the world’s population as well as explore diversity and citizenship in the context of a global society.

World Language

Spanish IV (154H)
Prerequisite: Spanish III or Honors Spanish III
Spanish IV stresses learning advanced grammar skills to increase conversation and writing abilities. Students are introduced to geography, history, literature, and the fine arts through various readings and films. The focus is on intensifying student understanding of the Spanish culture.

Honors Spanish IV (1541H)
Prerequisite: 93 or above average in Spanish III or Honors Spanish III
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Technology

JAVA 1 (772H)
Prerequisite: Algebra II
This course is an introduction to software programming, using the Java™ programming language. Students will learn the fundamentals of Java™. The focus is on developing high quality, working software that solves real problems.
**Physical Education**

**Physical Education 11 (401H)**
This course emphasizes physical fitness and the importance of developing/maintaining lifetime physical fitness habits. Portions of the course stress development of teamwork, trust, cooperation, leadership and problem solving skills. Pre and Post test are utilized to chart student progress (Presidential Challenge). Lifetime sports, aquatics, team and individual sports are utilized throughout the course. Written assignments, evaluations, student journals are infused in each unit.

**Athletic Health Care I (420H)**
Athletic Health Care I is designed for students interested in a career as a health care professional. This course will be specific to the care, prevention, treatment and rehabilitation of athletic injuries. The course content will include basic human anatomy, conditions commonly associated with athletic injuries, initial evaluation and treatment of the injured athlete, immobilization and taping techniques, principles of rehabilitation, the application of modalities, nutrition, and strength training. Students will have “hands-on” learning experiences.

**Lifeguard Training (419H)**
**Prerequisite:** Grade 9 Physical Education, the ability to swim 300 yards continuously (using the front crawl and the breaststroke), tread water for 2 minutes using only the legs, and complete a timed event within 1 minute and 40 seconds.
This course is designed to train lifeguards. The American Red Cross lifeguard training course will be used and certification in lifeguarding and the professional rescuer can be achieved. Students who want Red Cross Certification will have to pay a fee of thirty five dollars for new certifications and twenty seven dollars for renewals. This course can be substituted for Physical Education Grades 10-11-12.

**Athletic Health Care II (421H)**
**Prerequisite:** Athletic Health Care I
Athletic Health Care II is designed for those students who are interested in a career as a health care professional. This course will be an extension of Athletic Health Care I and will include advanced techniques in the care, prevention, treatment, and rehabilitation of athletic injuries. The course content will include advanced and specific methods of the evaluation and rehabilitation of specific athletic injuries, along with specific taping techniques for various athletic injuries.

**SAT Preparation Course**

**College Board SAT Preparation Course (119H)**
This course is a one semester elective for 11th grade students interested in preparing for the College Board entrance exam (SAT). The course will emphasize test taking skills, familiarity with the test format and grading, and review of relevant topics. Critical reading, mathematics, and writing will be covered in this one credit elective course. Prerequisites are Algebra II and English II.
OVERVIEW OF COURSE REQUIREMENTS

Students will take 8 courses as outlined below. 4 courses will be taken during semester 1 and 4 courses will be taken during semester 2.

REQUIRED COURSES:

ENGLISH

English IV (104)
English IV consists of the chronological organization of English Literature including nonfiction, short stories, plays, novels, and poetry, which shows the progression of themes through the various eras of English history. Attention is also given to the inductive and deductive writing process and to advanced points of grammar. An integral part of the course will be to write a research paper and to master correct research paper format. Students will read and critically analyze British Literature. Required compositions will concentrate on literary elements.

Honors English IV (1041H)
Prerequisite: 93 or above average in English III or Honors English III
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Advanced Placement English (1081H)
Prerequisite: 93 or above average in Honors English III or approval of classroom teacher.
The Advanced Placement English Language and Composition course is multidimensional, focusing on the exploration of ideas, analytical examination of language and rhetoric, and assignments based on developing coherence, logic, diction, and tone, along with an emphasis on advanced vocabulary and rhetorical terminology in preparation for the advanced placement test. Students are required to take the Advanced Placement Language and Composition Examination. This is a year-long course.

ESL Curriculum is as follows:

ESL English I (949H)
This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student’s English language proficiency level.
ESL English II (950H)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English III (951H)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Developing according to the PDE English proficiency level guidelines. Students may also be enrolled in READ 180 based on the Scholastic Reading Inventory (SRI). Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English IV (952H)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students may also be enrolled in READ 180 based on the Scholastic Reading Inventory (SRI). Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

SOCIAL STUDIES
Economics (212H)
Economics is a senior level course where students will engage in topics that explore basic economics reasoning, economic systems as well as American Free Enterprise. Personal and Institutional relationships with markets, business, and labor, money, banking, and finance will also be discussed.
Honors Economics (2121H)
Prerequisite: 93 average or above in United States History II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

United States Government (204H)
United States Government is a senior level course that introduces the student to various levels of government and politics in the United States. The course emphasizes constitutional development, citizenship and rights, the electoral process, and the role of each branch of government. Students will also examine the government’s ability to handle contemporary issues both domestic and foreign.

Honors United States Government (2041H)
Prerequisite: 93 or above average in United States History II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

MATH
Pre-Calculus (365H)
Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This particular course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

Honour Pre-Calculus (3651H)
Prerequisite: Trigonometry; 93 or above in Honors Trigonometry and Trigonometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Calculus I (367H)
Calculus I includes both derivatives and integrals of polynomials, exponential functions, trigonometric functions, and logarithmic functions. Applications of derivatives and integrals are also introduced. A strong foundation in algebra and graphing functions is essential.

Honors Calculus I (3671H)
Prerequisite: Pre-Calculus or Honors Pre-Calculus; 93 or above average in Honors Pre-Calculus and Pre-Calculus
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
**Advanced Placement Calculus (must take both 3701H and 3701BH)**

**Prerequisite:** 93 or above average in Honors Pre-Calculus and Honors Trigonometry

Advanced Placement Calculus is a college level calculus class designed for those students entering mathematics or science related field. The selection of topics is designed to meet the requirements set forth in the syllabus of the Advanced Placement Calculus AB Exam. Major topics include differential and integral calculus along with their applications. **Students are required to take the Advanced Placement Examination. This is a yearlong 2 credit course.**

**Calculus II (368H)**

Calculus II is a course designed for those students who have successfully completed Calculus I. The main objectives of this course are to introduce the topics of differentiation and integration of transcendental functions with a concentration of the trigonometric functions. Graphing and their applications will also be presented. Various integration techniques will be included.

**Honors Calculus II (3681H)**

**Prerequisite:** Calculus I or Honors Calculus I; 93 or above average in Calculus I

Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

**Calculus III – 3691H**

Calculus III is the third level in the Calculus sequence. Topics of study include conic sections, hyperbolic functions, polar coordinates, and infinite sequences and series. This course is designed for students who have successfully completed Calculus II or AP Calculus.

**ELECTIVES**

Students may take a second math class as one of their electives. If they

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**World Language**

**French I (121H)**

French I is an introduction to the language, culture, geography, and people of France. The course provides useful language skills from the outset based on speaking, listening, reading, and writing. Correct pronunciation and practice with the language are emphasized.
Honors French I (1211H)
**Prerequisite:** 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

French II (122H)
**Prerequisite:** French I or Honors French I
French II provides a smooth transition from Level I with a review of the vocabulary, grammar, and cultural topics previously learned. The focus is on increasing vocabulary and grammar skills through speaking, reading, writing, and listening. Correct pronunciation and practice exercises are emphasized.

Honors French II (1221H)
**Prerequisite:** 93 or above average in French I or Honors French I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

French III (123H)
**Prerequisite:** French II or Honors French II
French III continues to build upon skills in conversation, reading, and writing. Students are introduced to the past tense and further expansion of vocabulary. Topics of interest include learning about French homes, understanding French government, and learning interesting facts about well-known French cities.

Honors French III (1231H)
**Prerequisite:** 93 or above average in French II or Honors French II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German I (131H)
German I is an introduction to the language, culture, geography, and people of German-speaking countries. Speaking, listening, reading, and writing skills are emphasized. Gender of nouns and present tense verbs are used to develop basic communication skills.

Honors German I (1311H)
**Prerequisite:** 93 or above for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German II (132H)
**Prerequisite:** German I or Honors German I
German II continues to focus on developing basic communication skills by using vocabulary, grammar, and cultural topics learned in German I. Topics covered in German II expand on the essentials for reading, writing, and speaking the language.
**Honors German II (1321H)**

**Prerequisite:** 93 or above average in German I or Honors German I

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**German III (133H)**

**Prerequisite:** German II or Honors German II

German III continues to build and refine communication skills in both the present and past tense by means of longer and more complex conversational patterns and writing assignments. Emphasis is placed on correct pronunciation and grammatically correct phrase and sentence structure.

**Honors German III (1331H)**

**Prerequisite:** 93 or above average in German II or Honors German II

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**Spanish I for Native Speakers (150H)**

Spanish I for Native Speakers focuses on students who are proficient in reading, writing, and speaking Spanish. The course is taught entirely in Spanish and reviews fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information.

**NOTE:** Students are required to take a Placement Test for this course. Students who do not achieve a passing score of proficient in all testing areas will not be allowed to enroll in this course.

**Spanish I (151H)**

Spanish I is an introduction to the language, culture, geography, and people of the Spanish-speaking world. Basic sound patterns, functional vocabulary, and fundamental grammatical skills are introduced.
Honors Spanish I (1511H)
**Prerequisite:** 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Spanish II for Native Speakers (1523H)
**Prerequisite:** Spanish I for Native Speakers
Spanish II for Native Speakers continues the study of fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information, while moving students towards a more formalized level of reading, writing, and speaking Spanish. Students discuss topics in depth, write essays, and analyze literature and poetry in their native language.

Spanish II (152H)
**Prerequisite:** Spanish I or Honors Spanish I
Spanish II reviews and reinforces vocabulary and basic grammar skills taught in Spanish I. The student is introduced to the present progressive and preterit tenses of the verb. Students converse and write using more complex grammar and vocabulary, and major cultural concepts are taught through cultural readings.

Honors Spanish II (1521H)
**Prerequisite:** 93 or above average in Spanish I or Honors Spanish I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Spanish III (153H)
**Prerequisite:** Spanish II or Honors Spanish II
Spanish III is designed to review the basic grammar skills learned in Spanish I and Spanish II. Students are introduced to more complicated grammar structures. Speaking, writing, reading, and listening skills are reinforced through active student participation in class activities.

Honors Spanish III (1531H)
**Prerequisite:** 93 or above average in Spanish II or Honors Spanish II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Spanish IV (154H)
**Prerequisite:** Spanish III or Honors Spanish III
Spanish IV stresses learning advanced grammar skills to increase conversation and writing abilities. Students are introduced to geography, history, literature, and the fine arts through various readings and films. The focus is on intensifying student understanding of the Spanish culture.

Honors Spanish IV (1541H)
**Prerequisite:** 93 or above average in Spanish III or Honors Spanish III
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
Business Accounting I (701H)
Accounting I introduces the basic accounting concepts and procedures used by sole proprietorships as well as partnerships. Students taking this course will learn how to keep business records for both service and merchandising businesses. Skills learned can be used directly on the job or to provide the necessary foundations for more advanced business courses in college.

Accounting II (702H)
Prerequisite: Accounting I
Accounting II is designed to further enhance accounting skills. Emphasis is placed on accounting procedures which include inventory control methods, payroll procedures, and depreciation. The basic design is to increase competencies for those who wish to enter accounting careers directly upon graduation from high school in addition to those who will study other business courses at the college level.

Accounting III (703H)
Prerequisite: Accounting II
Accounting III is an advanced course for the most able students. The objective is to heighten and to expand the student's existing interest in accounting. Students will learn how to interpret accounting information to make management decisions in today's complex business world. Special emphasis will be placed on manufacturing accounting procedures at the corporate level. This course is designed for both the career prep and college prep student.

Business Principles and Management (781H)
The Business Principles and Management course focuses on establishing a foundation of established business principles and practices that form the groundwork for all business operations. Business fundamentals such as organizational structures, human resource planning, financing and financial operations, global competition, and business ethics will be stressed. The use of today's technology which includes the modification of physical plant structures to be more energy/cost efficient will also be discussed.

Business Law (782H)
Business Law is designed to create an awareness of the laws that pertain to business, personal life, and various professions and trades. This course explores the foundations of our laws and legal systems, constitutional rights, amendments, and forms of dispute resolution. Emphasis is on individual rights, contracts, real estate conveyance, insurance, liability (personal and business), wills and trusts, commercial papers, etc.

Web Page Design (780H)
Prerequisite: Algebra I
This hands-on course includes principles of design, HTML (Hyper Text Markup Language) coding used to create web pages, graphics, animation, and website maintenance. The Internet is used as a research tool and effective searching skills are taught and applied. Topics include fundamental tags, tables, forms, JavaScript, and style sheets.
Fine Arts

Visual Arts I (601H)
Visual Arts I is an elective art course designed as an overall introduction to the basic techniques, materials and ideas of creative visual arts. Basic drawing and painting techniques and movements, design elements and principles and familiarity with characteristics of art history will be emphasized.

Visual Arts II (602H) Grades 10, 11, 12
Prerequisite: Visual Arts I
Visual Arts II provides concentrated work in selected areas of two-dimensional and three-dimensional design. Drawing, painting, sculpture, and printmaking are included. Students will be expected to work independently and demonstrate growth and understanding in the handling of various materials, techniques, concepts and ideas.

Visual Arts III (603H) Grades 11, 12
Prerequisite: Visual Arts II
Visual Arts III continues work in selected areas of two-dimensional and three-dimensional design. There is concentrated emphasis on drawing, painting, sculpture, print-making, and art history. Emphasis is on the personal growth and style of the student.

Crafts I (605H)
This course will provide the students with basic construction methods of a variety of crafts such as: ceramics, metal smiting, coiled basketry, plaster sculpture and weaving. Appropriate tools will be used (looms, pottery wheel, files, saws and rasps, soldering torches, buffing machine). Additional craft activities may also be explored as per instructor.

Crafts II (608H)
Prerequisite: Crafts I
This course will concentrate work in the areas of ceramics and metalsmithing. Hand building and throwing on the pottery wheel and more advanced metalsmithing techniques will be included. Students will be expected to work independently and to demonstrate growth in each medium.

Crafts III (609H)
Prerequisite: Crafts II
Work will be concentrated in the areas of clay and metalsmithing. Students will be expected to work independently to foster growth and development of a personal style. Advanced areas will include metal casting, enameling and glass fusing.

Beginning Painting (612H)
Prerequisite: Visual Art I
Beginning Painting is designed as an overall introduction to the basic techniques used in watercolors, acrylic, and oil paints. Students will learn a variety of ways to apply paint to capture different textures and styles and be expected to demonstrate these in their own works. Students will study different artists and their painting styles.
Senior Art Portfolio (606H)  Grade 12  
**Prerequisite:** Successful completion of Visual Arts II or Visual Arts III
Senior Art Portfolio is designed for the serious art student and those students preparing for a career in some area of the visual arts. Emphasis is on preparation of a portfolio of work reflecting in-depth studio experience using a wide variety of materials.

**Concert Band (660H)**
**Prerequisite:** Basic instrumental skills
Band students receive experience in ensemble playing in a variety of musical styles. There will be public performances to display acquired skills. An outgrowth of the band class is the following performing groups: woodwind choir, brass choir, and other small ensembles.

**Marching Band (661H)**
**Prerequisite:** Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

**Cougar Concert Choir (665H)**
**Prerequisite:** Teacher approval
Cougar Concert Choir is designed for all students of the high school who are interested in performing choral music. All members of the Concert Choir will study correct vocal production and strive to improve their musicianship. The Concert Choir performs many styles of choral music at various school and public performances. Participation in this ensemble will allow eligibility for District, Regional, and All-State choral competitions and festivals.

**Music Appreciation (666H)**
For the student who has a desire to study classical music. Music Appreciation is designed to develop students’ knowledge of music as it has progressed to the present day through the enhancement of listening skills. Students should gain enough musical background to become adequate consumers and advocates of music. Time periods covered are: Primitive, Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century, Jazz, and Rock & Roll.

**Music Theory/Technology I (667H)**
Music Theory/Technology will use computers, synthesizers, and related software to experiment, create and experience different styles of music and sound. Students will gain hands-on experience using technology to develop their individual needs and preferences by creating their own compositions and the analysis of existing compositions. Students will receive instruction in all the elements of music: ear training, melody writing, harmony and other areas of musical terminology. Students will be developing musical skills and the knowledge of the fundamentals of music theory in this course.
Advanced Music Theory/Technology II (668H)

Prerequisite: Music Theory/Technology I
Advanced Music Theory/Technology is an extension of Music Theory I with further emphasis on arranging, orchestration, composition, and harmonic analysis. Upon completion of this course, the student will have covered the necessary material to successfully enter a college music program.

English

Journalism (111H)

Prerequisite: English I
Journalism studies is a writing-intensive English elective in which students explore the history of journalism as it is relevant to media and society today. Major areas of study include article writing for print, story structures for news and features, reporting principles, broadcast media, web-based media, advertising, public relations, and legal and ethical issues pertaining to mass media.

Creative Writing I (114H)

Prerequisite: English I or Honors English I
Creative Writing I offers instruction in the various forms of imaginative writing. Students will study selected samples of prose, drama, and poetry as inspiration for their original compositions. Emphasis is placed on self-expression while developing proficiency in narrative, descriptive, persuasive, and expository writing. Projects include the following genres: horror, science fiction, and satire. In addition, basic forms of poetry, methods of print advertising, and scriptwriting will be studied. A class literary arts magazine will be produced.

Critical Reading and Argumentation (116H)

This course seeks to prepare students for college and beyond with the power of expression. It offers students the opportunity to develop their speaking and writing skills and to appreciate the place of argument and advocacy in shaping their worlds. Students will learn the components of effective persuasive writing and sound argumentation. Students will have the opportunity to hone their own skills in these areas through various writing assignments, reading assignments, oral presentations, and role-playing projects.

Publications (113H)

Publications deals with the production of the HAHS yearbook. Students are expected to generate ideas, plan for fund-raising, and submit photographs and articles for publication. A proficiency in creative writing is helpful.

This is a year-long course.

Technology

JAVA 1 (772H)

Prerequisite: Algebra II
This course is an introduction to software programming, using the Java™ programming language. Students will learn the fundamentals of Java™. The focus is on developing high quality, working software that solves real problems.
Science

Microbiology/Genetics (330)
Prerequisite: Biology 1A and Biology 1B
Microbiology/Genetics is an accelerated class that begins with a review of basic biological concepts in microbiology and genetics. The course includes an in-depth study of microbiology and genetics. Students who are considering careers in biology, science technology, health service or related fields should find this course a valuable asset to their continuing education.

Physiology (3077348)
Prerequisite: Biology 1A and Biology 1B
Physiology is an elective course designed to prepare students entering the allied health field, especially nursing, pre-med, dentistry physician’s assistant, and physical therapy. The course focuses on a projects based design, lecture and discussion with practical lab experiences to teach the relationship between structure (anatomy) and function (physiology) of the human body.

Environmental Biology (3067348H)
Prerequisite: Biology 1A
Environmental Biology is an introduction to how the world we live in works, how we use and abuse nature, and what we can do to protect our environment for ourselves and future generations. The topics include ecology, populations, natural resources, pollution, society, and the environment.

Honors Environmental Biology
Prerequisite: 93 or above in Biology 1B and Chemistry 1B
Honors Environmental Biology is an advanced science in which students will investigate major ecological concepts and analyze environmental problems, both natural and human-made, to assess the relative risks related to these problems and to study alternative solutions for resolving and/or preventing them. Laboratory work, research, and field studies will be included to educate students toward a sustainable future and to prepare for future studies in environmental science, biology, and related disciplines.

Advanced Placement Biology (3081H and 3081BH)
Prerequisite: 93 or above average in Biology 1B or Honors Biology 1B
Advanced Placement Biology is a college level course that focuses on molecular biology, genetics, evolution, anatomy and physiology, animal behavior, and ecology. This course will place special emphasis on preparing the student for successful completion of the Advanced Placement Biology Examination. Students are required to take the Advanced Placement Examination. This is a year-long course. Juniors or seniors may take this course.
Advanced Placement Chemistry (31317348S and 31317348 BS)
**Prerequisite:** 93 or above in Honors Chemistry 1A and 1B, and 93 or above average in Honors Pre-Calculus and/or Calculus
This year-long 2 credit course is designed for those students who plan on entering a medical or engineering field of study. The course is an intensely paced introduction to a two semester college chemistry course. Students are required to take the Advanced Placement Chemistry examination. **Students are required to take the Advanced Placement Examination. This is a year-long course. Juniors or seniors may take this course.**

Honors Chemistry III (3141H)
**Prerequisite:** 93 or above in Honors Chemistry 1B, and 93 or above average in Honors Pre-Calculus and/or Calculus
A continuation of Honors Chemistry 1B concepts.

Organic Chemistry (3142H)
**Prerequisites:** 93 or higher in Honors Chemistry 1A/Honors Chemistry 1B and 93 or higher in Algebra IIK
Honors Organic Chemistry is intended for students interested in pursuing careers in the fields of science, medicine, and/or engineering. This course serves as an introduction for the study of the chemistry of carbon compounds by applying principles rooted in general chemistry. Topics of study include: bonding in organic molecules, organic nomenclature, functional groups, organic synthesis, laboratory applications, and bio-organic chemistry.

Physics I (312H)
**Prerequisite:** Concurrent Trigonometry or Completed Trigonometry
Physics I is a college-preparatory science course using lecture, problem solving, writing, and project work to investigate the following classical Newtonian physics topics: speed and acceleration, momentum, forces and vectors, work and energy, projectile and rotational motion, and simple machines

Honors Physics IA (3261H)
**Prerequisite:** 93 or above in Honors Plane Geometry, Honors Trigonometry and Honors Pre-Calculus or Honors Calculus
This course is a Calculus based laboratory physics class designed for those students entering Science or Medical field of Study. The course content includes, Vector mathematics in 2D and Newtonian Mechanics, Projectile motion and kinematics, Energy systems and transfers along with Circular and Rotary motion including Torques and linear and rotary momentum. **This course is open to students in either the Junior or Senior year of study.**
Honors Physics IB (3271H)
Prerequisite: 93 or above in Honors Physics IA or Honors Pre-Calculus or Honors Calculus
This course is a Calculus based laboratory physics class designed for those students entering a Science or Medical field of study. The course content includes Simple Harmonic Motion, Wave Theory, Electricity and Magnetism, D.C. Theory, R.C. Circuits, Capacitance and Inductance, Light Theory and Optics. This course is open to students in either the Junior or Senior year of study. **Those students who have a 93 or higher in both Honors Physics 1 & 2 are encouraged to take the A.P. Physics C examination in May.**

Pre-Engineering I (916H)
This course is designed to prepare students thinking of pursuing an Engineering degree in college. Electrical and mechanical theory, advanced problem solving, calculator use, career exploration, pneumatic and hydraulic systems, electrical, and computer control systems, robotics, automated manufacturing, static mechanical systems design and materials testing are explored.

Pre-Engineering II (917H)
Prerequisite: Pre-Engineering I
As a continuation of Level I, Engineering topics are explored in greater detail. Higher order problem solving, advanced control systems, computer control programming, electronic circuit and mechanical static truss design are emphasized.

Robotics Design Engineering (919H)
In this course, students will explore robotics and its applications in our society today and tomorrow. Students arranged in teams will design and construct their own robots to perform specific tasks. Finalized robots will be pitted against each other in competitions to determine the best design. Students will also work together on ongoing larger projects such as design/ modification of ROVs (Remote Operated Vehicle/Submersible robot), land based all-terrain robotic platforms, and their payloads. Example: Work with the biology department to create a ROV to explore and gather samples of life at the bottom of a local lake. Students should have interest in wanting to learn about mechanical devices as well as electronics circuits. Programming ability and experience with electronics is a plus, but certainly not a requirement.

Social Studies
Street Law (220H)
Street Law offers students an opportunity to gain a practical view of basic issues which confront individuals in everyday life. Street Law is designed to provide insights into specific areas of law such as civil, criminal, family, housing, and constitutional issues. This course is offered to juniors and
Sociology (222H)
Sociology is a course designed for students to focus on the use of sociological perspective to examine culture, social structure, social institutions, social inequality, and the individual in society. Work will be conducted through research projects, oral discussions, real life applications and group dynamics. This elective is open to juniors and seniors.

Psychology I (223H)
Psychology introduces the student to the fascinating study of human thinking and behavior. Students will explore the roles that emotion, stress, heredity, environment, and motivation play in human development. Current topics in psychology will also be analyzed, discussed and critiqued. This elective is open to juniors and seniors.

World Cultures (227H)
A political, socio-cultural perspective of the world will be analyzed through the ideologies of each prominent cultural region of the world (i.e. Middle Eastern, Asian, Latino, African, etc.). The course will provide a greater understanding of the significant similarities of the world’s population as well as explore diversity and citizenship in the context of a global society.

Physical Education

Physical Education 12 (403H)
This course emphasizes physical fitness and the importance of developing/maintaining lifetime physical fitness habits. Portions of the course stress development of teamwork, trust, cooperation, leadership and problem solving skills. Pre and Post test are utilized to chart student progress (Presidential Challenge). Lifetime sports, aquatics, team and individual sports are utilized throughout the course. Written assignments, evaluations, student journals are infused in each unit.

Athletic Health Care I (420H)
Athletic Health Care I is designed for students interested in a career as a health care professional. This course will be specific to the care, prevention, treatment and rehabilitation of athletic injuries. The course content will include basic human anatomy, conditions commonly associated with athletic injuries, initial evaluation and treatment of the injured athlete, immobilization and taping techniques, principles of rehabilitation, the application of modalities, nutrition, and strength training. Students will have “hands-on” learning experiences.
Lifeguard Training (419H)
**Prerequisite:** Grade 9 Physical Education, the ability to swim 300 yards continuously (using the front crawl and the breaststroke), tread water for 2 minutes using only the legs, and complete a timed event within 1 minute and 40 seconds.
This course is designed to train lifeguards. The American Red Cross lifeguard training course will be used and certification in lifeguarding and the professional rescuer can be achieved. Students who want Red Cross Certification will have to pay a fee of thirty five dollars for new certifications and twenty seven dollars for renewals. This course can be substituted for Physical Education Grades 10-11-12.

Athletic Health Care II (421H)
**Prerequisite:** Athletic Health Care I
Athletic Health Care II is designed for those students who are interested in a career as a health care professional. This course will be an extension of Athletic Health Care I and will include advanced techniques in the care, prevention, treatment, and rehabilitation of athletic injuries. The course content will include advanced and specific methods of the evaluation and rehabilitation of specific athletic injuries, along with specific taping techniques for various athletic injuries.
SCHOOL YEAR 2013-2014
OVERVIEW OF COURSE REQUIREMENTS

GRADE 10

Students will take 8 credits as outlined below. 4 credits will be taken during semester 1 and 4 credits will be taken during semester 2.

REQUIRED COURSES:

ENGLISH

English II (102C)

English II includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. This course focuses on oral and written communication skills as well as speaking and listening. Resource skills will be utilized in the completion of a term paper. Literature activities concentrate on critical reading, analysis, and interpretation of diversified literary forms and devices.

Honors English II (1021C)

Prerequisite: 93 or above average in English I or Honors English I

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

ESL Curriculum is as follows:

ESL English I (949C)

This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Enter according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.
ESL English II (950C)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

ESL English III (951C)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is developing according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

ESL English IV (952C)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students take this course for one semester and earn one English credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

SOCIAL STUDIES

United States History I (202C)
United States History I is a chronological study of the development of the nation from the Revolutionary Period to the conclusion of World War I. This course includes a comprehensive analysis of all relevant social, economic, political, religious and literary development in American life.
Honors United States History I (2021C)
Prerequisite: 93 or above average in Civics
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

SCIENCE

Biology 1 B (304H)
Prerequisite: Biology 1 A or Honors Biology 1 A
A continuation of Biology IA, topics include: water, biomolecules, enzymes; composition and organization of Prokaryotic and Eukaryotic cells; regulation of cell structure and function; communication between cells and environment; bioenergetics; photosynthesis; cellular respiration; metabolism, genetics and mechanisms of evolution. Research articles on current scientific topics will be evaluated throughout the semester. Emphasis will be placed on introducing and developing laboratory skills and providing hands-on experience with modern laboratory equipment. This course is required and must be taken after Biology IA or Honors Biology IA

Honors Biology 1B (3041C)
Prerequisite: 93 or above average in Biology IA or Honors Biology IA
Honors Biology 1 B includes more rigorous, intensive application of core Biology B content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace.

MATH

Algebra I (361C)
Algebra I builds upon the concepts introduced in Algebra Concepts which includes thorough investigation of the real number system; equations and inequalities; graphing; systems of equations; factoring; simplifying polynomials and rational algebraic expressions, probability and statistics. Introduction of the complex number system includes a comprehensive study of the operations of radicals.

Honors Algebra I (3611C)
Prerequisite: Algebra Concepts; 93 or above average in Algebra Concepts.
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
Plane Geometry (362C)
Plane Geometry is for all college bound and general education students. It includes the study of the properties of physical shapes such as angles, triangles, polygons, and circles. Integrated into the problem solving are the deductive reasoning approach, practical applications, and the use of basic algebraic concepts to arrive at solutions.

Honors Plane Geometry (3621C)
Prerequisite: Algebra I; 93 or better in Honors Algebra I or Algebra I
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Algebra II (363C)
Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.

Honors Algebra II (3631C)
Prerequisite: Plane Geometry; 93 or above in Honors Plane Geometry or Plane Geometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Trigonometry (366C)
Trigonometry is recommended for students who have done well in previous math courses and who have college ambitions in which math are utilized. This course places emphasis on the understanding of definitions and principles of trigonometry and their applications to problem solving. It includes the circular functions concept, identities, radian measure, triangle solutions and vectors. This course includes polar equations and logarithmic functions. Solving right triangles based on trigonometric functions is developed through the course. Scientific calculators are used throughout this course.

Honors Trigonometry (3661C)
Prerequisite: Algebra II; 93 or above in Honors Algebra II or Algebra II
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
The Health Careers Program is a three year program designed for students whose career intent is within the health care field. This program is designed to promote careers in health care such as those of physicians, physician assistants, professional nurses, medical laboratory technologists, physical therapists and other health related careers.

Course content includes basic concepts of health care such as medical terminology, ethical and legal responsibilities, infection control and nutritional needs. Manipulative skills such as hand washing, measuring and recording temperature, pulse, and respirations, and patient transportation are included in this curriculum.

This program engages students to gain observational experience in different areas of health care by allowing senior students to rotate through twenty departments at Hazleton General Hospital. Students have the opportunity to interact with the individuals who are actively employed in these areas thereby allowing them to make more informed career choices.

Instruction for Health Careers I and Health Careers II takes place at the Career Center while Health Careers III students receive classroom and clinical instruction at Hazleton General Hospital.

Health Careers I (822C)
Health Careers I is an introduction to the basic concepts of health care including infection control, the medical and legal aspects of health care, and introduction information on various careers in health care.
PHYSICAL EDUCATION

PE - 9 (400C)
This course includes a wide variety of sport activities, health topics, fitness and nutrition. Emphasis is placed on the development of fundamental sport skills and components of personal fitness. Collaborative problem-solving, team building, and communication skills are introduced throughout each lesson. The program teaches students the skills necessary to weigh options, to make responsible decisions and to develop behaviors that promote healthful living. In addition, freshmen will participate in a Family Consumer Science Unit.

CAREER PREP
(All Career Center courses will meet for 2 periods except where noted)

Microsoft Office Specialist I (801C)
Prerequisite: Computer Applications I
The purpose of this course is to prepare students to qualify for entry-level positions in the business/office sector and/or prepare students for college courses in a computer related field. The course will concentrate on the Microsoft Office 2010 Word and Microsoft Office Excel 2010 software applications. Skill will be developed through hands-on activities using the word processing and spreadsheet programs. Students will learn to format basic business letters, memos, reports, table, using desktop publishing features, to format basic spreadsheets, invoices, payrolls, and charts.

Graphic Communications I (804C)
Level I introduces the student to job opportunities in the industry, stresses the elements of shop safety, and gives the student hands on activities in copy planning, measuring, and selecting typefaces for composition. Also discussed are the elements of white space, emphasis, rhythm, and harmony that go into design principles. Introduction to basic computer skills required for design using Adobe CS III. Students are introduced to basic offset printing procedures and techniques. HASD projects and student projects provide hands-on experience.

Broadcast Communications I (810C)
As an introduction to careers in TV/Radio, film, digital video, animation and business communications, students will learn through hands-on projects how to operate a wide variety of equipment. Skills and techniques directly related to careers in this field will be practiced. Students will work on a weekly Television News Magazine Show.
Nurse Assistant I (825C) 2 Periods
Students learn basic nursing skills such as bed making, bathing and providing personal care to patients, moving and transporting patients, patient safety and infection control. Students practice these skills in the nursing laboratory.

Collision Repair Technology I (834C)
Students entering this program begin by learning safety procedures and practicing personal safety and vehicle construction basics. Students will also learn how to repair minor damage, filling with plastic as well as other repairs to sheet metal. Basic MIG and Oxy-Acetylene welding is covered.

Automotive Technology I (837C)
This course includes orientation to the Automotive Career, basic shop procedures, safety, manuals/databases, tools and equipment. Students will also study tires and wheels, wheel balancing, suspension systems, steering systems, wheel alignment, and brake systems.

Diesel Technology I (840C)
The course focuses on basic shop procedures, safety, manuals/database, tools and equipment. Students will progress to engine lubrication and preventative maintenance schedules, tires and wheels, and basic electrical systems. This is a three year course that covers ASE guidelines.

Construction Technology I (846C)
Students will begin to learn the processes that are involved to gain employment in the construction field especially those related to residential home construction. Students begin by learning basic safety, blueprint reading, the safe use of hand and power tools, and the different types of materials used in construction. Students will do related tasks and projects. The course will prepare students for studies in a related trade school or college program.

(Construction Technology is a cluster industry/occupational program that provides for a sequence of secondary technical core courses in a program of study in carpentry, masonry, plumbing, heating and electrical.)

Electrical Technology I (849C)
Students learn safety measures, basic hand tools, work ethic, basic types of wiring utilized in the electrical trade, basic electrical principles, (voltage, power, current & resistance), AC & DC (Alternating & Direct Current) principles and skills such as series and parallels circuitry and basic residential wiring principles utilizing the National Electrical Code.
**Precision Machine Technology I (855C)**
This course introduces students to machining operations as they relate to the metalworking industry. Topics include machine shop safety, shop math, blueprint reading, measuring.

**HVAC/Plumbing I (852C)**
Students will be introduced to the basic tools and safety of plumbing and refrigeration. Students will learn various types of piping, basic electricity, soldering and brazing practices. Mathematics appropriate to the trade will be used and students will be introduced to blueprint reading and various piping installation.

**Welding Technology I (858C)**
Students will be introduced to basic safety and welding symbols. Students will learn to read welding drawings and prepare the base metal for welding or cutting.

**Computer-Aided Drafting I (870C)**
Students get introduced to blueprint reading, engineering sketching and the math related to engineering disciplines. This course will establish the building blocks for a solid foundation in all design related occupations. Computer-Aided Drafting & Design is incorporated with advanced drafting techniques. Students learn to visualize and draw technically with a state of art software used in industry. The universal language of drafting is the most influential part of the CAD I curriculum. A student will create a portfolio showcasing his/her achievements and abilities.

**Cosmetology I (879C)**
**Prerequisite:** Entering the Cosmetology program requires a fee of approximately $250.00 prior to the first day of class. ALL students entering the Cosmetology course MUST complete the following requirements by the first day of class: (1) Proper legal forms that require social security number and notarization (2) Proper uniforms and professional shoes (3) Kit and mannequin fees. Students transferring from another district will have two weeks to comply. Body piercing, other than ears, is not allowed. This program is offered first at a sophomore level due to state regulation hour requirements, then to juniors.

Cosmetology is a three year, 1250 hour course that is state regulated. During Level I, students will become familiar with many aspects of the beauty industry. It is a basic introduction to personality development, professional ethics, hygiene and good grooming, shampooing, manicuring, scalp treatments, permanent waving, hair coloring, haircutting, thermal styling, hair styling, sanitation and sterilization, and state rules and regulations guiding cosmetology and Skills USA.
Child Care I (882C)
This course is designed to prepare students to work in the child care field or to pursue a degree in early childhood education. Students will develop an understanding of child growth and development in all areas (physical, intellectual and social/ emotional) in the early childhood stages (infancy, toddler and preschool). The student will learn the proper techniques for creating a safe and healthy environment. REQUIREMENT: For the safety of students and children involved in this program, and to comply with Child Care industry standards, students are required to dress in neat, appropriate attire. Body piercing, other than in the ear, is NOT allowed.

Culinary Arts I (885C)
Prerequisite: Entering the Culinary Arts program requires purchasing proper uniforms. The approximate cost for the uniform is $40.00. This fee must be paid prior to the 1st day of class or the student will be removed from the course. Students transferring from another district will have 2 weeks to comply. Body piercing is not allowed.
This program will prepare students to work in the food service industry or pursue a degree in the hospitality field. The primary focus of this course is to develop the basic knowledge and skills needed in areas of food and prep service while instilling the strong work ethic needed for success. Students will maintain a portfolio which will include their day to day activities of the restaurant in addition to special assignments, thematic menu planning and research of ethnic diets. Students rotate work stations to better understand the operation of a restaurant facility, including maintenance, laundry, menu planning, dessert baking, washing dishes and chef responsibilities.

Law Enforcement I (891C) 2 periods
Law Enforcement I is an introduction to the basic concepts of Law Enforcement including patrol functions, military courtesy, communications, equipment and legal aspects associated with this career. It will cover the history of law enforcement, local, state, and national governments. Training in the basics of fingerprinting and handcuffing is also practiced. Physical training is also an integral part of the program. Students are required to have a uniform in all three levels of the program. No student will be accepted if they are on probation, parole, or have been arrested for a misdemeanor.
GRADE 11

Students will take 8 credits as outlined below. 4 credits will be taken during semester 1 and 4 credits will be taken during semester 2.

REQUIRED COURSES:

**ENGLISH**

**English III (103C)**

English III involves an advanced study and practice of the principles of effective writing with an emphasis on the various types of discourse and the research process. Students will explore the general background, progress, and development of American literature, including appropriate vocabulary. Students are required to complete a research paper.

**Honors English III (1031C)**

Prerequisite: 93 or above average in English II or Honors English II

Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**ESL Curriculum is as follows:**

**ESL English I (949C)**

This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

**Note:** This is a required course based on a student's English language proficiency level.

**ESL English II (950C)**

ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

**Note:** This is a required course based on a student's English language proficiency level.
ESL English III (951C)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is developing according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English IV (952C)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

SOCIAL STUDIES
United States History II (203C)
United States History II is a continuation of United States History I. It covers from the Roaring Twenties to the present. Emphasis is placed on historic, economic, and political developments that lead to an understanding of today’s American society, its problems, and its achievements.

Honors United States History II (2031C)
Prerequisite: 93 or above average in United States History I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace

SCIENCE
Chemistry 1A (310C)
Prerequisite: Algebra I and Biology IA
Chemistry A integrates basic inorganic chemistry with math topics. The content of this course includes studying properties of matter and energy, naming compounds and writing chemical formulas, properties of mixtures, chemical bonding, atomic theory, behavior of electrons in atoms, periodicity of elements, the mole, using models to illustrate bonding, and stoichiometry. All students must complete Chemistry B in order to complete a full chemistry course.
**Honors Chemistry 1A (3101C)**

**Prerequisite:** 93 or above average in Honors Biology I A or Biology I B, and 93 or above average in Algebra I

Honors Chemistry A includes more rigorous, intensive application of core Chemistry A content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace. **All students must complete Honors Chemistry B or Chemistry B in order to complete a full Chemistry course.**

**Chemistry 1B (311C)**

**Prerequisite:** Chemistry I A and Algebra I, Biology I A & Biology IB or Honors Biology I A and Honors Biology I B

Chemistry IB, the continuation of Chemistry IA, will investigate additional chemistry content. The topics include the use of stoichiometry relationships to calculate reactants, products, and limiting reactants and products in a chemical reaction, synthesis, decomposition, replacement and combustion reaction, thermodynamics, gas laws, solutions, molarity, and acid-base-salt/buffers theory. This course is required in order to complete a full chemistry course following Chemistry IA.

**Honors Chemistry 1B (3111C)**

**Prerequisite:** 93 or above average in Honors Chemistry IA, and 93 or above average in Algebra I

Honors Chemistry IB includes more rigorous, intensive application of core Chemistry IB content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace. Honors Chemistry IB or Chemistry IB is a requirement that must be taken in order to complete a full chemistry course.

**MATH**

**Plane Geometry (362C)**

Plane Geometry is for all college bound and general education students. It includes the study of the properties of physical shapes such as angles, triangles, polygons, and circles. Integrated into the problem solving are the deductive reasoning approach, practical applications, and the use of basic algebraic concepts to arrive at solutions.

**Honors Plane Geometry (3621C)**

**Prerequisite:** Algebra I; 93 or better in Honors Algebra I or Algebra I

Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
Algebra II (363C)
Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.

Honors Algebra II (3631C)
Prerequisite: Plane Geometry; 93 or above in Honors Plane Geometry or Plane Geometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Trigonometry (366C)
Trigonometry is recommended for students who have done well in previous math courses and who have college ambitions in which math is utilized. This course places emphasis on the understanding of definitions and principles of trigonometry and their applications to problem solving. It includes the circular functions concept, identities, radian measure, triangle solutions and vectors. This course includes polar equations and logarithmic functions. Solving right triangles based on trigonometric functions is developed through the course. Scientific calculators are used throughout this course.

Honors Trigonometry (3661C)
Prerequisite: Algebra II; 93 or above in Honors Algebra II or Algebra II
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Pre-Calculus (365C)
Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This particular course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

Honors Pre-Calculus (3651C)
Prerequisite: Trigonometry; 93 or above in Honors Trigonometry or Trigonometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
HealthCareersCertificate Program

The Health Careers Program is a three year program designed for students whose career intent is within the health care field. This program is designed to promote careers in health care such as those of physicians, physician assistants, professional nurses, medical laboratory technologists, physical therapists and other health related careers.

Course content includes basic concepts of health care such as medical terminology, ethical and legal responsibilities, infection control and nutritional needs. Manipulative skills such as hand washing, measuring and recording temperature, pulse, and respirations, and patient transportation are included in this curriculum.

This program engages students to gain observational experience in different areas of health care by allowing senior students to rotate through twenty departments at Hazleton General Hospital. Students have the opportunity to interact with the individuals who are actively employed in these areas thereby allowing them to make more informed career choices.

Instruction for Health Careers I and Health Careers II takes place at the Career Center while Health Careers III students receive classroom and clinical instruction at Hazleton General Hospital.

Health Careers II (823C)

Prerequisite: Health Careers I

Health Careers II includes a focus on Anatomy and Physiology, communications, and medical terminology. Students perform health care skills such as hand washing, moving and transporting patients, and measuring and recording temperature, pulse, and respirations.
CAREER PREP

All Career Center courses will meet for 2 periods except where noted

Microsoft Office Specialist II (802C)
Prerequisite: Microsoft Office Specialist I
This course will concentrate on Microsoft Office Access 2010 and Microsoft Office PowerPoint 2010 software applications. Skill will be developed through hands-on activities using the database and presentation programs. Students will learn to format basic database tables, forms, and reports.

Graphic Communications II (805C)
Prerequisite: Graphic Communication I
Level II builds on Level I and addresses electronic pre-press, digital file preparation and digital file output that comprise the essential skills in the industry. Desktop publishing skills using scanning programs will be used in conjunction with digital plate making devices. Students work on more advanced printing techniques such as two color projects, book binding, borders and color laser copiers. HASD projects and student projects provide hands-on experience.

Broadcast Communications II (811C)
Prerequisite: Broadcast Communications I
This course expands skills learned in Level I. Advanced skills and techniques are stressed. Students will design and produce a weekly Television show, short films and work as staff for school-based productions. Internships, job shadowing and co-op placements are available at local TV/Radio stations.

Nurse Assistant II (826C)
Prerequisite: Nurse Assistant I
Students advance their skills as they are instructed in measuring and recording temperature, pulse, respiration and blood pressure. They also practice special procedures and treatments which are pertinent to a nursing assistant’s responsibilities. Medical terminology is introduced. Students participate in a 60-hour assisted living rotation and also clinical experience at a long term care facility. At the conclusion of this affiliation, they are eligible to take the PA State Nurse Aide Certification Examination.

Collision Repair Technology II (835C)
Prerequisite: Collision Repair Technology I Students progress at a rapid rate. Live work is done in the shop. Estimating on the computer and preparing work orders give the students a “hands-on” approach to all the learning activities. Major body alignment, theory, painting and detailing are emphasized.
Automotive Technology II (838C)
Prerequisite: Automotive Technology I
This course includes study of the automotive drivetrain. Students will work on clutch assemblies, standard transmissions/transaxles, automatic transmission/transaxles, drive lines, differentials, engines and cooling system.

Diesel Technology II (841C)
Prerequisite: Diesel Technology I
The students will learn the operations of ASE steering and suspension systems and brake systems.

Construction Technology II (847C)
Prerequisite: Construction Technology I
Students will begin to learn the various systems that are involved in the construction field especially those related to residential home construction. Students will learn about masonry, footers and foundations, floor systems, wall systems, and roof systems. Students will begin to build an 8’ x 12’ module to learn all the related tasks. The course will also prepare students for studies in a related trade school or college program.

Electrical Technology II (850C)
Prerequisite: Electrical Technology I
Students learn advanced AC & DC (Alternating & Direct Current) principles utilizing oscilloscopes, basic semiconductors (Diodes, transistors, SCR's Triacs), conduit bending, advanced residential wiring such as installing electrical services for homes and businesses and an introduction to motors, motor controls, and computers.

Precision Machine Technology II (856C)
Prerequisite: Precision Machine Technology I
Students will move onto more complex and challenging projects and advance operations of measuring, layout, drilling, sawing, turning, and milling. The student can look forward to completing projects, which they can actually take with them and use once they are employed in the machine trades. Students will complete NIMS Job Planning, Bench work, & Layout Certification, & NIMS Drill Press Certification.

HVAC/Plumbing II (853C)
Prerequisite: HVAC I
Level II will cover air properties and distribution, basic electronics, compressors, metering devices and leak detection. Students will learn to read commercial drawings, install roof, floor and area drains, faucets and valves.

Welding Technology II (859C)
Prerequisite: Welding Technology I
Shielded metal ARC, oxy-fuel welding and cutting, drilling, shearing, layout, plasma cutting and gas metal ARC welding techniques are introduced. Students learn to make horizontal, flat, vertical and overhead welds.
Computer-Aided Drafting II (871C)
Prerequisite: Computer-Aided Drafting I and or CAD Elective
The returning student has the opportunity to experiment with mechanical, architectural, and electrical-electronic drafting before specializing in one of these areas. Drawing techniques learned in level 1 are used in real world scenarios. A student will develop his/her mind in design. A student will learn how things work, how things are mass produced, how things are manufactured and how things are built. A student will create a portfolio showcasing his/her achievements and abilities.

Cosmetology II (880C)
Prerequisite: Cosmetology I
Level II is designed to further enhance the students’ knowledge in the basic skills learned in Level I. It also introduces the students to new procedures such as facials, facial makeup, skin care, eyebrow arching, finger waving, eye-tabling, nail applications, nail art and chemical and thermal hair relaxing. Theory work required throughout the three year course includes anatomy and physiology, chemistry, electricity and light therapy and salon business. After accumulation of practice hours, the student will participate in live clinical work.

Child Care II (883C)
Prerequisite: Child Care I
Students will plan activities for young children related to art, storytelling, dramatic play, music, math, science and social studies. Hands-on experiences include tutoring elementary children, observing and working in the on-site preschool and at the Child Development Center. An emphasis is given to communication and positive interaction with co-workers, parents and children.

Culinary Arts II (886C)
Prerequisite: Culinary Arts I
Students will become familiar with proper terminology and frequently used measurements. All students will be actively involved in thematic menu planning, advertisement and presentation of foods. Students (Level II and Level III) will have the opportunity to prepare and to serve different types of foods to our faculty and staff in our modern, well equipped kitchen and dining room.

Law Enforcement II (892C) 2 periods
Prerequisite: Law Enforcement I
The course will stress patrol and related duties, the American legal system, techniques used in police laboratories, crime scene and accident investigation, interview techniques, Motor Vehicle Code, Criminal Law, rules of criminal procedure, firearms, emergency and disaster situations, and patrol techniques. Students are required to participate in physical training and to wear a uniform daily. Students are encouraged to participate in duel enrollment.
Students will take 8 credits as outlined below. 4 credits will be taken during semester 1 and 4 credits will be taken during semester 2.

REQUIRED COURSES:

ENGLISH

**English IV (104C)**
English IV consists of the chronological organization of English Literature including nonfiction, short stories, plays, novels, and poetry, which shows the progression of themes through the various eras of English history. Attention is also given to the inductive and deductive writing process and to advanced points of grammar. An integral part of the course will be to write a research paper and to master correct research paper format. Students will read and critically analyze British Literature. Required compositions will concentrate on literary elements.

**Honors English IV (1041C)**
Prerequisite: 93 or above average in English III or Honors English III
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**ESL Curriculum is as follows:**

**ESL English I (949C)**
This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

**Note:** This is a required course based on a student's English language proficiency level.

**ESL English II (950C)**
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

**Note:** This is a required course based on a student's English language proficiency level.
ESL English III (951C)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is developing according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English IV (952C)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

SOCIAL STUDIES

United States Government (204C)
United States Government is a senior level course that introduces the student to various levels of government and politics in the United States. The course emphasizes constitutional development, citizenship and rights, the electoral process, and the role of each branch of government. Students will also examine the government's ability to handle contemporary issues both domestic and foreign.

Honors United States Government (2041C)
Prerequisite: 93 or above average in United States History II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Economics (212C)
Economics is a senior level course where students will engage in topics that explore basic economics reasoning, economic systems as well as American Free Enterprise. Personal and Institutional relationships with markets, business, and labor, money, banking, and finance will also be discussed.
Honors Economics (2121C)  
Prerequisite: 93 average or above in United States History II  
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

SCIENCE

Environmental Biology (306C)  
Prerequisite: Biology IA  
Environmental Biology is an introduction to how the world we live in works, how we use and abuse nature, and what we can do to protect our environment for ourselves and future generations. The topics include ecology, populations, natural resources, pollution, society, and the environment.

Human Biology (3354C)  
Prerequisite: Essentials of Biology IA or Biology IA and Biology IB  
Human biology examines our species from a broad biological context. This course is designed to teach students about the structure and function of their bodies and to describe the delicate internal balance necessary to maintain health. Human development, aging, and the impact our species has on the environment are also covered.

Chemistry 1B (311C)  
Prerequisite: Chemistry A and Algebra I, Biology IA & Biology IB or Honors Biology IA and Honors Biology IB  
Chemistry IB, the continuation of Chemistry IA, will investigate additional chemistry content. The topics include the use of stoichiometry relationships to calculate reactants, products, and limiting reactants and products in a chemical reaction, synthesis, decomposition, replacement and combustion reaction, thermodynamics, gas laws, solutions, molarity, and acid-base-salt/buffers theory. This course is required in order to complete a full chemistry course following Chemistry IA.

Honors Chemistry 1B (3111C)  
Prerequisite: 93 or above average in Honors Chemistry IA, and 93 or above average in Algebra I  
Honors Chemistry IB includes more rigorous, intensive application of core Chemistry IB content at or above grade level with required independent reading, research, and laboratory investigations at an accelerated pace. Honors Chemistry IB or Chemistry IB is a requirement that must be taken in order to complete a full chemistry course.

MATH

Algebra II (363C)  
Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.
Honors Algebra II (3631C)
**Prerequisite:** Plane Geometry; 93 or above in Honors Plane Geometry or Plane Geometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Trigonometry (366C)
Trigonometry is recommended for students who have done well in previous math courses and who have college ambitions in which math is utilized. This course places emphasis on the understanding of definitions and principles of trigonometry and their applications to problem solving. It includes the circular functions concept, identities, radian measure, triangle solutions and vectors. This course includes polar equations and logarithmic functions. Solving right triangles based on trigonometric functions is developed through the course. Scientific calculators are used throughout this course.

Honors Trigonometry (3661C)
**Prerequisite:** Algebra II; 93 or above in Honors Algebra II or Algebra II
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Pre-Calculus (365C)
Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This particular course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

Honor Pre-Calculus (3651C)
**Prerequisite:** Trigonometry; 93 or above in Honors Trigonometry and Trigonometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Calculus I (367C)
Calculus I includes both derivatives and integrals of polynomials, exponential functions, trigonometric functions, and logarithmic functions. Applications of derivatives and integrals are also introduced. A strong foundation in algebra and graphing functions is essential.

Honors Calculus I (3671C)
**Prerequisite:** Pre-Calculus or Honors Pre-Calculus; 93 or above average in Honors Pre-Calculus or Pre-Calculus
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
HealthCareersCertificate Program

The Health Careers Program is a three year program designed for students whose career intent is within the health care field. This program is designed to promote careers in health care such as those of physicians, physician assistants, professional nurses, medical laboratory technologists, physical therapists and other health related careers.

Course content includes basic concepts of health care such as medical terminology, ethical and legal responsibilities, infection control and nutritional needs. Manipulative skills such as hand washing, measuring and recording temperature, pulse, and respirations, and patient transportation are included in this curriculum.

This program engages students to gain observational experience in different areas of health care by allowing senior students to rotate through twenty departments at Hazleton General Hospital. Students have the opportunity to interact with the individuals who are actively employed in these areas thereby allowing them to make more informed career choices.

Instruction for Health Careers I and Health Careers II takes place at the Career Center while Health Careers III students receive classroom and clinical instruction at Hazleton General Hospital.

Health Careers III (824)
Prerequisite: Health Careers II
(Selection 16 students)
Classroom instruction two days a week at the Career Center and remaining three days at Hazleton General Hospital where there are assigned observational clinical experiences in twenty different departments. The students also have a weekly presentation by hospital personnel on various healthcare careers and issues.
CAREER PREP

All Career Center courses will meet for 2 periods except where noted.

Microsoft Office Specialist III (803C)
Prerequisite: Microsoft Office Specialist II
The first semester of this course will concentrate on Microsoft Office Publisher 2010 software application. Skill will be developed through hands-on activities using the desktop publishing program. Students will learn to create flyers, newsletters, and brochures. The second semester of this course will concentrate on integrating the five software programs of Microsoft Office Word, Excel, Access, PowerPoint and Publisher. The students will complete an online job search, fill out a job application, prepare an online resume and participate in a mock interview exercise. Upon completion of course sequence students are required to take the NOCTI test, which measures their job readiness skills. In addition the students may have the opportunity to participate in a co-op experience.

Graphic Communications III (806C)
Prerequisite: Graphic Communications II
Level III builds on Levels I and II and deals with offset press systems and operating procedures. A unit on preventative maintenance and troubleshooting introduces the student to the press. Also stressed are units on the important economic aspects of estimating jobs, binding procedures, finishing, and calculating. Advanced press operations, offset press system, offset inks and dampening chemistry, offset press operating procedures, job ticket and cost awareness and calculating paper cutting techniques are explored. HASD projects and student projects provide hands-on experience.

Broadcast Communications III (812C)
Prerequisite: Broadcast Communications II
Students will be responsible for the operation of school related TV facilities, school district productions, and special projects. They will work on weekly television programming. Advanced digital video, Photography and Computer Generated Graphics will be focused on. Field trips, co-op, job shadowing, and internships are available for students interested in pursuing careers in this field.

Nurse Assistant III (827C)
Prerequisite: Assistant II
Students continue in nursing assistant skills and serve a ten week clinical affiliation at a local hospital. During this experience they are afforded the opportunity to observe the operation of various departments in the hospital.
Collision Repair Technology III (836C)
**Prerequisite:** Collision Repair Technology II
Students move to advanced painting including Base and clear coatings. Students sharpen their skills and prepare for the world of work as an Auto Body Technician. Co-op is available for qualifying students.

Automotive Technology III (839C)
**Prerequisite:** Automotive Technology II
This course includes basic electrical and electronic theory, battery service, starting system, charging system, ignition system, fuel system, exhaust system, emission control system, air conditioning, heaters, and Pennsylvania Vehicle Safety Inspection Course.

Diesel Technology III (842C)
**Prerequisite:** Diesel Technology II
Students will study advanced electrical and electronic ASE Diesel Engines overhaul and PA State Inspection Course to inspect class 7 vehicles. The student will also be introduced to the heating, ventilation and air conditioning system.

Construction Technology III (848C)
**Prerequisite:** Construction Technology II
Students will continue to learn the various systems that are involved in the construction field especially those related to residential home construction. Students will continue to build the 8’ x 12’ module and learn about doors and windows, roofing materials, exterior finishes, and interior finishes. The course will also prepare students for studies in a related trade school or college program.

Electrical Technology III (851C)
**Prerequisite:** Electrical Technology II
Students continue to build on Level II topics which will include: advanced computer skills utilizing PLC (Programmable Logic Controllers), advanced motor control and troubleshooting techniques, advanced semiconductor and troubleshooting skills. The student will have the opportunity for co-op.

Precision Machine Technology III (857C)
**Prerequisite:** Precision Machine Technology II
Students will continue to develop their skills on the manual machines covered in Levels I and II, while also learning basic programming and operation of high tech CNC machines, G and M codes along with conversational CNC training. For students who display an acceptable level of competence in the material covered and possess a high level of maturity, a co-op program is available. Students will complete NIMS Turning between Centers Certification & NIMS Milling Certification.

HVAC/Plumbing III (854C)
**Prerequisite:** HVAC II
Students will be expected to troubleshoot all heating and cooling systems. Students will read more advanced commercial drawings. Regional and local plumbing codes will be covered. Advanced math for HVAC and plumbing will be integrated and students will work on the modular home.
Welding Technology III (860C)  
**Prerequisite:** Welding Technology II  
Students learn the principles of oxy-fuel cutting, aluminum and stainless steel TIG welding, fabrication from sketches, blueprints and safety including care and maintenance of equipment. Plasma ARC welding is introduced. Students will learn the importance of weld quality.

**Computer-Aided Drafting III (872C)**  
**Prerequisite:** Computer-Aided Drafting II  
The Level III student will prepare for a certification test that covers material related to general drafting and design. The students will learn presentation skills and become confident in abilities. A Level III student will be taught a new highly technical 3D modeling software that is the cutting edge of technology. He / She will be able to design, prototype, assemble and simulate a design before it is ever produced. These skill sets will prepare a student for the highly technical world that awaits a student in post secondary or the marketplace. A certificate may be attained if a student scores well and a professional portfolio will be created showcasing a student’s achievements and abilities.

**Cosmetology III (881C)**  
**Prerequisite:** Cosmetology II  
Level III places emphasis on practicing and improving the skills and knowledge needed to take the state board test. Live clinical work is continued on a bi-weekly basis. Students attend trade related shows to increase their awareness of the ever changing trends in the beauty industry. After completing the three year cosmetology program, students will have the opportunity to take their state board test and if passed, will receive their Pennsylvania State Cosmetology License.

**Child Care III (884C)**  
**Prerequisite:** Child Care II  
Students get clinical experience working in the on-site preschool. They learn to develop curriculum using a thematic approach. They will explore job opportunities and develop strategies for finding employment in the child care field.

**Culinary Arts III (887C)**  
**Prerequisite:** Culinary Arts II  
In addition to the responsibility of operating a restaurant, all students will have the opportunity to develop entrepreneurial skills by planning and preparing for extracurricular school activities requiring food service. Students will apply skills in catering experiences and menu development.

**Law Enforcement III (893C) 2 periods**  
**Prerequisite:** Law Enforcement II  
Stressing the roles and functions of a Law Enforcement Officer, this course focuses on the Criminal Investigation and the minimum standards and expectations for training and performance for entry level Law Enforcement personnel. Students are required to complete Emergency Responder training. Students will work on career and college expectations at the end of their training.
ELECTIVES

Students may take a second math class as one of their electives. If they choose a second math as an elective, that math course will be taken during semester 2.

**MATH Course Sequence**

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**French I (121C)**
French I is an introduction to the language, culture, geography, and people of France. The course provides useful language skills from the outset based on speaking, listening, reading, and writing. Correct pronunciation and practice with the language are emphasized.

**German I (131C)**
German I is an introduction to the language, culture, geography, and people of German-speaking countries. Speaking, listening, reading, and writing skills are emphasized. Gender of nouns and present tense verbs are used to develop basic communication skills.

**Spanish I for Native Speakers (150C)**
Spanish I for Native Speakers focuses on students who are proficient in reading, writing, and speaking Spanish. The course is taught entirely in Spanish and reviews fundamental grammatical concepts, advanced literature topics, and pertinent historical and cultural information.

**NOTE:** Students are required to take a Placement Test for this course. Students who do not achieve a passing score of proficient in all testing areas will not be allowed to enroll in this course.
French II (122C)
**Prerequisite:** French I or Honors French I
French II provides a smooth transition from Level I with a review of the vocabulary, grammar, and cultural topics previously learned. The focus is on increasing vocabulary and grammar skills through speaking, reading, writing, and listening. Correct pronunciation and practice exercises are emphasized.

Honors French II (1221C)
**Prerequisite:** 93 or above average in French I or Honors French I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German II (132C)
**Prerequisite:** German I or Honors German I
German II continues to focus on developing basic communication skills by using vocabulary, grammar, and cultural topics learned in German I. Topics covered in German II expand on the essentials for reading, writing, and speaking the language.

Honors German II (1321C)
**Prerequisite:** 93 or above average in German I or Honors German I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Spanish I (151C)
Spanish I is an introduction to the language, culture, geography, and people of the Spanish-speaking world. Basic sound patterns, functional vocabulary, and fundamental grammatical skills are introduced.

Spanish II (152C)
**Prerequisite:** Spanish I or Honors Spanish I
Spanish II reviews and reinforces vocabulary and basic grammar skills taught in Spanish I. The student is introduced to the present progressive and preterite tenses of the verb. Students converse and write using more complex grammar and vocabulary, and major cultural concepts are taught through cultural readings.
**Honors Spanish II (1521C)**
Prerequisite: 93 or above average in Spanish I or Honors Spanish I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**Spanish III (153C)**
Prerequisite: Spanish II or Honors Spanish II
Spanish III is designed to review the basic grammar skills learned in Spanish I and Spanish II. Students are introduced to more complicated grammar structures. Speaking, writing, reading, and listening skills are reinforced through active student participation in class activities.

**Honors Spanish III (1531C)**
Prerequisite: 93 or above average in Spanish II or Honors Spanish II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**Computer Applications/Keyboarding (712C)**
Computer Applications and Keyboarding will enhance the development of basic keyboarding skills, communication skills, and document processing skills using computers. Students will learn how to prepare reports, outlines, letters, tables, resumes, applications, and agendas utilizing word processing software.

**Accounting I (701)**
Accounting I introduces the basic accounting concepts and procedures used by sole proprietorships as well as partnerships. Students taking this course will learn how to keep business records for both service and merchandising businesses. Skills learned can be used directly on the job or to provide the necessary foundations for more advanced business courses in college.

**Microsoft Word/Excel (713) 1 period**
Prerequisite: Computer Applications/Keyboarding
Microsoft Word/Excel will continue to refine keyboarding skills while enabling students to perform the advanced functions of word processing and spreadsheet software. Students will be introduced to spreadsheet software while setting up various accounting and business related problems such as budgets, payroll, worksheets, and financial statements. Graphics and database management software in a graphics environment using Microsoft Office for Windows will be introduced. Students will improve skills necessary for initial employment, and/or preparation skills necessary for college courses.
Crafts I (605) or (N605)
This course will provide the students with basic construction methods of a variety of crafts such as: ceramics, metalsmithing, coiled basketry, plaster sculpture and weaving. Appropriate tools will be used (looms, pottery wheel, files, saws and rasps, soldering torches, buffing machine). Additional craft activities may also be explored as per instructor.

Marching Band (661) (661) or (N661)
Prerequisite: Intermediate instrumental skills Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Integrated Welding (914) This class is limited to 14 students.
This program will enable students to understand the welding process. The course will contain lessons on safety, metals, gases, joint geometry, machines and tools. The student will become familiar with the following processes: oxy-fuel, welding, and cutting, plasma cutting, shielded metallic arc and mig welding.

Manufacturing Technology (915)
A cluster industry/occupational program that provides for a sequence of secondary technical core courses. This program prepares individuals to apply knowledge and skills in the production and manufacturing industrial fields.

CAD Drafting (913)
CAD-Drafting is especially designed to give the pre-engineering student an advantage with introductory skills in engineering drawing, descriptive geometry, computer-aided drawing, and computer-aided manufacturing.

Construction Technology (924)
This course is an instrumental program that prepares students to apply technical knowledge and skills in carpentry, plumbing, electrical, cabinetmaking and blueprint reading to hands on woodworking and metal projects. Instruction consists of orientation to residential construction problems, trouble shooting and repair, maintenance practices and procedures that include the use of hand tools and power tools, materials and supplies.

Introduction to Restaurant Services (930)
A basic course that includes operations and skills sets of various careers in hospitality and restaurant occupations. Course emphasis will include cleaning, baking, sanitation, sterilization, and exploring various job opportunities.

Basic Home Repairs (928)
This course is a basic introductory program that prepares individuals to apply technical skills to repair, service, maintain and diagnosis problems in residential home and maintenance and repairs.
Small Engine Repair I (955)
This is a hands-on program designed to give students, 10th - 12th grades, skills needed to repair, service, maintain, and diagnose problems on a variety of small internal combustion engines as used on portable power equipment such as lawn mowers, snowmobiles, motorcycles, pumps, and generators. Instruction also includes the use of technical and service manuals, specialized and hand tools, and diagnostic test equipment.

Health and Wellness 10 (401C)
This course is designed to contribute to the physical, intellectual, social and emotional well-being of the student. The curriculum is devoted to purposeful instruction in developmentally appropriate activities to promote a positive self-concept through fitness, sport, swimming and lifetime activities. Each student is able to achieve success according to his/her own ability. The Presidential challenge and Fitness Program are administered to determine each student's needs. The Health component includes Drug and Alcohol awareness and Nutrition.

Probability and Statistics (364C)
Probability and Statistics is intended for college-bound students who anticipate needing this material for their future courses of study. Students with an interest in business or the social sciences (psychology, sociology, etc.) should strongly consider taking this elective course. Probability and both descriptive and inferential statistics will be discussed at length. **This course cannot be taken until Algebra II credit is achieved.**

Psychology I (223C)
Psychology introduces the student to the fascinating study of human thinking and behavior. Students will explore the roles that emotion, stress, heredity, environment, and motivation play in human development. Current topics in psychology will also be analyzed, discussed and critiqued. This elective is open to juniors and seniors.

Physiology (3077348)
**Prerequisite:** Biology A and Biology B
Physiology is an elective course designed to prepare students entering the allied health field, especially nursing, pre-med, dentistry physician’s assistant, and physical therapy. The course focuses on a projects based design, lecture and discussion with practical lab experiences to teach the relationship between structure (anatomy) and function (physiology) of the human body.

College Board SAT Preparation Course (119C)
This course is a one semester elective for 11th grade students interested in preparing for the College Board entrance exam (SAT). The course will emphasize test taking skills, familiarity with the test format and grading, and review of relevant topics. Critical reading, mathematics, and writing will be covered in this one credit elective course. Prerequisites are Algebra II and English II.
OVERVIEW OF COURSE REQUIREMENTS

GRADE 9

Students will take 8 courses as outlined below. 4 courses will be taken during semester 1 and 4 courses will be taken during semester 2.

REQUIRED COURSES:

ENGLISH

English I (101S)
English I integrates writing, grammar and usage, speaking and listening. It includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. It also emphasizes oral and written response to literature. Writing activities include descriptive, narrative, informational, and persuasive compositions in addition to written responses to literature. Vocabulary development, reference tools, critical thinking, and cooperative learning activities are used to enhance learning.

Honors English I (1011S)
Prerequisite: 93 or above average in 8th Grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

ESL Curriculum as follows:

ESL English I (949S)
This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
ESL English II (950S)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English III (951S)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is developing according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English IV (952S)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.
SOCIAL STUDIES

Civics (206S)
Civics examines the structure, organization and operation of the local, state, and national governments including domestic and national policy-making. This course is a continuation of middle school civics, which studies the rights and duties of citizens.

Honors Civics (2061S)
Prerequisite: 93 or above average in World History I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

SCIENCE

Magnet Biology 1A (303S)
Students must take Magnet Biology 1B following this course.
This course will emphasize general principles of organism and population biology with a concentration on genetics, the genetics of evolution and diversity among organisms. Emphasis will be placed on structural and physiological adaptations for such processes as nutrition, fluid and gas exchange and hormonal regulation. An understanding of the interactions between organisms and their environment will be explored. Factors that affect the environment will be covered. Research methods and inquiry based laboratories will be emphasized. A research project will be conducted throughout the semester. This course will include an introduction to S.T.E.M. skills and an overview of the disciplines that will be taught in the school. Various math and science teachers will teach segments of the class.

Magnet Biology 1B (304S)
A continuation of Magnet Biology IA, topics include: water, biomolecules, enzymes; composition and organization of Prokaryotic and Eukaryotic cells; regulation of cell structure and function; communication between cells and environment; bioenergetics; photosynthesis; cellular respiration; metabolism; and genetics. A scientific topic will be researched throughout the semester and culminate in a research paper at the end of the course. Research articles on current scientific topics will be evaluated throughout the semester. Emphasis will be placed on introducing and developing laboratory skills and providing hands-on experience with modern laboratory equipment.
**MATH** - A student will choose a math course based on his/her 8th grade math course.

**Algebra I (361S)**
Algebra I builds upon the concepts introduced in Algebra Concepts which includes thorough investigation of the real number system; equations and inequalities; graphing; systems of equations; factoring; simplifying polynomials and rational algebraic expressions, probability and statistics. Introduction of the complex number system includes a comprehensive study of the operations of radicals.

**Honors Algebra I (3611S)**
Prerequisite: Algebra Concepts; 93 or above average in Algebra Concepts. Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

**Plane Geometry (362S)**
Plane Geometry is for all college bound and general education students. It includes the study of the properties of physical shapes such as angles, triangles, polygons, and circles. Integrated into the problem solving are the deductive reasoning approach, practical applications, and the use of basic algebraic concepts to arrive at solutions.

**Honors Plane Geometry (3621S)**
Prerequisite: Algebra I; 93 or better in Honors Algebra I or Algebra I
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
PHYSICAL EDUCATION
PE - 9 (400S)
This course includes a wide variety of sport activities, health topics, fitness and nutrition. Emphasis is placed on the development of fundamental sport skills and components of personal fitness. Collaborative problem-solving, team building, and communication skills are introduced throughout each lesson. The program teaches students the skills necessary to weigh options, to make responsible decisions and to develop behaviors that promote healthful living. In addition, freshmen will participate in a Family Consumer Science Unit.

ELECTIVES
Students must take a second math class as one of their electives. That math course will be taken during semester 2.

STEM SCHOOL MATH Course Sequence

<table>
<thead>
<tr>
<th>Algebra Concepts</th>
<th>Algebra I</th>
<th>Plane Geometry</th>
<th>Algebra II</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Honors Algebra I</td>
<td>Honors Plane Geometry</td>
<td>Honors Algebra II</td>
</tr>
</tbody>
</table>

Honors Algebra II (3631S)
Prerequisite: 93 or above in Honors Plane Geometry or Plane Geometry
Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.

Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

World Language
Languages, other than Spanish, will be taught through video conferencing with classes at the high school.

French I (121S)
French I is an introduction to the language, culture, geography, and people of France. The course provides useful language skills from the outset based on speaking, listening, reading, and writing. Correct pronunciation and practice with the language are emphasized.
Honors French I (1211S)
Prerequisite: 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German I (131S)
German I is an introduction to the language, culture, geography, and people of German-speaking countries. Speaking, listening, reading, and writing skills are emphasized. Gender of nouns and present tense verbs are used to develop basic communication skills.

Spanish I (151S)
Spanish I is an introduction to the language, culture, geography, and people of the Spanish-speaking world. Basic sound patterns, functional vocabulary, and fundamental grammatical skills are introduced.

Honors Spanish I (1511S)
Prerequisite: 93 or above average for eighth grade
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Physical Education
PE - 9 (400S)
This course includes a wide variety of sport activities, health topics, fitness and nutrition. Emphasis is placed on the development of fundamental sport skills and components of personal fitness. Collaborative problem-solving, team building, and communication skills are introduced throughout each lesson. The program teaches students the skills necessary to weigh options, to make responsible decisions and to develop behaviors that promote healthful living. In addition, freshmen will participate in a Family Consumer Science Unit.

Fine Arts

Marching Band (661S)
Prerequisite: Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Freshman/Sophomore Concert Choir (664S)
The Freshman/Sophomore Concert Choir is part of the Cougar Concert Choir. The Choir is designed for all members of the Freshman/Sophomore classes that are interested in participating in the Cougar Concert Choir. This arrangement is made for scheduling purposes. The Concert Choir will have numerous opportunities to perform many styles of choral music at school and public performances. All members of the Concert Choir will study correct vocal production and strive to improve their musicianship.
Grade 10

Students will take 8 courses as outlined below. 4 courses will be taken during semester 1 and 4 courses will be taken during semester 2.

REQUIRED COURSES:

ENGLISH

English II (102S)
English II includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. This course focuses on oral and written communication skills as well as speaking and listening. Resource skills will be utilized in the completion of a term paper. Literature activities concentrate on critical reading, analysis, and interpretation of diversified literary forms and devices.

Honors English II (1024S)
Prerequisite: 93 or above average in English I or Honors English I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

ESL Curriculum as follows:

ESL English I (949S)
This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.

ESL English II (950S)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student’s English language proficiency level.
ESL English III (951S)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is developing according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

ESL English IV (952S)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student's English language proficiency level.

SOCIAL STUDIES

United States History I (202S)
United States History I is a chronological study of the development of the nation from the Revolutionary Period to the conclusion of World War I. This course includes a comprehensive analysis of all relevant social, economic, political, religious and literary development in American life.

Honors United States History I (2021S)
Prerequisite: 93 or above average in Civics
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
SOCIAL STUDIES

**Advanced Placement United States History (must take both 2051Sand 2051BS)**

**Prerequisite:** 93 or above average in Civics or Honors Civics

Advanced Placement United States History is an intense college level examination of our country’s history. In-depth analysis, essays, and discussions of topics in American History help investigate the periods which have brought us to modern day America. *Students must take the Advanced Placement United States History Examination. This is year long two credit course.*

MATH

**Plane Geometry (362S)**

Plane Geometry is for all college bound and general education students. It includes the study of the properties of physical shapes such as angles, triangles, polygons, and circles. Integrated into the problem solving is the deductive reasoning approach, practical applications, and the use of basic algebraic concepts to arrive at solutions.

**Honors Plane Geometry (3621S)**

**Prerequisite:** Algebra I; 93 or better in Honors Algebra I or Algebra I

Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

**Algebra II (3637348S)**

Algebra II is an expansion of the concepts learned in Algebra I. The topics covered are mathematical operations involving polynomials, rational expressions, irrational, and complex numbers. Higher order quadratic equations, polynomial equations, and exponential and logarithmic functions will be part of this coursework. Students will be expanding their knowledge of analytic geometry, as well as probability and statistics.

**Honors Algebra II (36317348S)**

**Prerequisite:** Plane Geometry; 93 or above in Honors Plane Geometry or Plane Geometry

Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
Trigonometry (366S)
Trigonometry is recommended for students who have done well in previous math courses and who have college ambitions in which math is utilized. This course places emphasis on the understanding of definitions and principles of trigonometry and their applications to problem solving. It includes the circular functions concept, identities, radian measure, triangle solutions and vectors. This course includes polar equations and logarithmic functions. Solving right triangles based on trigonometric functions is developed through the course. Scientific calculators are used throughout this course.

Honors Trigonometry (3661S)
Prerequisite: Algebra II; 93 or above in Honors Algebra II or Algebra II
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Pre-Calculus (365S)
Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This particular course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

Honor Pre-Calculus (3651S)
Prerequisite: Trigonometry; 93 or above in Honors Trigonometry or Trigonometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

SCIENCE
All science courses receive honors credit.

Magnet Chemistry 1A (STEM 310S)
Magnet Chemistry 1B is required following completion of Magnet Chemistry 1A
Chemistry 1A is a foundational course recommended for all potential scientists, engineers, and medical professionals. A variety of authentic educational strategies that are encountered in the academic and professional scientific sphere are implied as the following topics are considered: nature of science and chemical history, matter and energy, chemical nomenclature and stoichiometry, atomic electronics, phases of matter, and chemical forces. A working introduction of the following topics is included: equilibrium, thermodynamics, kinetics, and electrochemistry. Emphasis will be placed on real world applications of science, scientific literacy, and chemical research methodology.
**Magnet Chemistry IB (STEM 311S)**
Magnet Chemistry IB is an advanced topics course for students interested in pursuing chemistry or chemical engineering related professions. A rigorous and research based approach will be applied to the following topics: advanced equilibrium concepts, thermodynamics and kinetics, biochemistry and organic chemistry, materials chemistry, descriptive chemistry and applications of chemistry. A strong emphasis will be placed on scientific literacy and communication of scientific findings, as well as research based methods in the chemical laboratory.

**World Language**
*Languages, other than Spanish, will be taught through video conferencing with classes at the high school.*

**French II (122S)**
**Prerequisite:** French I or Honors French I
French II provides a smooth transition from Level I with a review of the vocabulary, grammar, and cultural topics previously learned. The focus is on increasing vocabulary and grammar skills through speaking, reading, writing, and listening. Correct pronunciation and practice exercises are emphasized.

**Honors French II (1221S)**
**Prerequisite:** 93 or above average in French I or Honors French I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**German II (132S)**
**Prerequisite:** German I or Honors German I
German II continues to focus on developing basic communication skills by using vocabulary, grammar, and cultural topics learned in German I. Topics covered in German II expand on the essentials for reading, writing, and speaking the language.

**Honors German II (1321S)**
**Prerequisite:** 93 or above average in German I or Honors German I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
Spanish II (152S)
**Prerequisite:** Spanish I or Honors Spanish I
Spanish II reviews and reinforces vocabulary and basic grammar skills taught in Spanish I. The student is introduced to the present progressive and preterit tenses of the verb. Students converse and write using more complex grammar and vocabulary, and major cultural concepts are taught through cultural readings.

Honors Spanish II (1521S)
**Prerequisite:** 93 or above average in Spanish I or Honors Spanish I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

**PHYSICAL EDUCATION**

Grade 10 Physical Education (401S)
The Physical Education courses taught in grade 10 will encourage students to participate in activities which will enhance their physical, mental and social, well-being. Students will participate in team sports, individual sports, life time sports, fitness programs and aquatic activities. In addition, all sophomore students will participate in a Family Consumer Science unit, juniors in a nutrition unit and seniors in a health unit.

**ELECTIVES**

Marching Band (661H)
**Prerequisite:** Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Freshman/Sophomore Concert Choir (664H)
The Freshman/Sophomore Concert Choir is part of the Cougar Concert Choir. The Choir is designed for all members of the Freshman/Sophomore classes that are interested in participating in the Cougar Concert Choir. This arrangement is made for scheduling purposes. The Concert Choir will have numerous opportunities to perform many styles of choral music at school and public performances. All members of the Concert Choir will study correct vocal production and strive to improve their musician-ship.
Grade 11

REQUIRED COURSES

ENGLISH

English III (103S)
English III involves an advanced study and practice of the principles of effective writing with an emphasis on the various types of discourse and the research process. Students will explore the general background, progress, and development of American literature, including appropriate vocabulary. Students are required to complete a research paper.

Honors English III (1031S)
Prerequisite: 93 or above average in English II or Honors English II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

ESL Curriculum as follows:

ESL English I (949S)
This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Entering according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student's English language proficiency level.

ESL English II (950S)
ESL English II is an expansion of ESL English I. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Beginning according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.
Note: This is a required course based on a student's English language proficiency level.
ESL English III (951S)
ESL English III is an expansion of ESL English II. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is developing according to the PDE English proficiency level guidelines. Students take this course both semesters and earn one English credit and one elective credit required for graduation.

Note: This is a required course based on a student’s English language proficiency level.

ESL English IV (952S)
ESL English IV is an expansion of ESL English III. This course provides instruction in English as a Second Language across the four domains of listening, speaking, reading, and writing. Students work at the appropriate language proficiency level to develop academic and social proficiency in vocabulary, language forms and functions, literacy and writing. Students develop reading skills and strategies utilizing authentic literature and content texts. This course is designed for students whose proficiency level is Expanding according to the PDE English proficiency level guidelines. Students take this course for one semester and earn one English credit required for graduation.

Note: This is a required course based on a student’s English language proficiency level.
SOCIAL STUDIES

United States History II (203S)
United States History II is a continuation of United States History I. It covers from the Roaring Twenties to the present. Emphasis is placed on historic, economic, and political developments that lead to an understanding of today's American society, its problems, and its achievements.

Honors United States History II (2031S)
Prerequisite: 93 or above average in United States History I
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

MATH

<table>
<thead>
<tr>
<th>Pre-Calculus</th>
<th>Calculus I Or Honors Calculus I</th>
<th>Calculus II Or Honors Calculus II</th>
<th>Calculus III OR Honors Calculus III</th>
</tr>
</thead>
</table>

Pre-Calculus (365S)
Pre-Calculus is for students whose previous math background is strong. This course offers an excellent background in linear algebra, functions, and a complete foundation for calculus. This particular course will also address some analytical geometry and the use of equations and inequalities as mathematical models.

Honors Pre-Calculus (3651S)
Prerequisite: Trigonometry; 93 or above in Honors Trigonometry or Trigonometry
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Calculus I (367S)
Calculus I includes both derivatives and integrals of polynomials, exponential functions, trigonometric functions, and logarithmic functions. Applications of derivatives and integrals are also introduced. A strong foundation in algebra and graphing functions is essential.

Honors Calculus I (3671S)
Prerequisite: Pre-Calculus or Honors Pre-Calculus; 93 or above average in Honors Pre-Calculus or Pre-Calculus
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.
Advanced Placement Calculus (must take both 3701S and 3701BS)
Prerequisite: 93 or above average in Honors Pre-Calculus and Honors Trigonometry
Advanced Placement Calculus is a college level calculus class designed for those students entering mathematics or science related field. The selection of topics is designed to meet the requirements set forth in the syllabus of the Advanced Placement Calculus AB Exam. Major topics include differential and integral calculus along with their applications.
Students are required to take the Advanced Placement Examination. This is a yearlong 2 credit course.

Calculus II (368S)
Calculus II is a course designed for those students who have successfully completed Calculus I. The main objectives of this course are to introduce the topics of differentiation and integration of transcendental functions with a concentration of the trigonometric functions. Graphing and their applications will also be presented. Various integration techniques will be included.

Honors Calculus II (3681S)
Prerequisite: Calculus I or Honors Calculus I; 93 or above average in Honors Calculus I
Honors includes more rigorous, intensive application of core content at or above grade level that ensures comprehensive study of all topics with required independent research at an accelerated pace.

Calculus III (3691S)
Calculus III is the third level in the Calculus sequence. Topics of study include conic sections, hyperbolic functions, polar coordinates, and infinite sequences and series. This course is designed for students who have successfully completed Calculus II or AP Calculus

SCIENCE
Magnet Physics I (3261S)- required by all students; also offered for seniors
Prerequisite: Concurrent Trigonometry or Completed Trigonometry
Physics 1 is a magnet school foundation level course intended for the first semester of Sophomore year. Physics 1 uses lecture, problem solving, projects and case studies to investigate the following Newtonian physics topics: speed and acceleration, momentum, forces and vectors, work and energy, projectile and rotational motion, and simple machines.

Magnet Physics II (3271S) Required by all students
Prerequisite: Physics I, Completed Trigonometry
Physics 2 is a magnet school Mechanical/Electrical Engineering Track Junior level course that uses lecture, problem solving, projects and case studies to investigate Modern Physics topics such as: wave mechanics, electrical fields and magnetism, circuitry and AC/DC power, and fluid and thermo dynamics.
ELECTIVES

MATH

Eleventh Grade MATH Course Sequence

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<th>Calculus II Or Honors Calculus II</th>
<th>Calculus III OR Honors Calculus III</th>
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</table>

Introduction to engineering design processes (315S)

Offered by Penn State University

Location: Hazleton Area Academy of Sciences, Drums, PA

Instructor: Dr. Wes Grebski

Tuition: One-quarter of regular Penn State Tuition - 3 credit course

Introduction to Engineering Design (3). Introduction to engineering design processes, methods, and decision making using team design projects; design communication methods including graphical, verbal and written. Students will visit Penn State Hazleton at least three times during the semester. During the visits they will conduct some experiments and hands-on activities.

Principles of Engineering (316S)

Prerequisite: Physics I and Physics II, Trigonometry

This course is designed to prepare students thinking of pursuing an Engineering degree in college. Electrical and mechanical theory, advanced problem solving, calculator use, career exploration, pneumatic and hydraulic systems, electrical, PLC, and computer control systems, robotics, automated manufacturing, static mechanical systems design and materials testing are explored.

Pharmacology (317S)

Prerequisites: Magnet Chemistry 1A and 1B, Algebra I or Honors Algebra I

The study of the effect of chemical substances on the human body is important to many students looking to enter the medical or pharmaceutical field. This course in Pharmacology will emphasize topics important to these types of students. Topics include: history of pharmacology, research in pharmacology, risk-cost analysis, chemical nature of various classes of medicine, administration of medication, side-effects of medication, and applications of chemistry used in pharmaceutical manufacture.
Robotics Design Engineering (318S)
In this course, students will explore robotics and its applications in our society today and tomorrow. Students arranged in teams will design and construct their own robots to perform specific tasks. Finalized robots will be pitted against each other in competitions to determine the best design. Students will also work together on ongoing larger projects such as design/modification of ROVs (Remote Operated Vehicle/Submersible robot), land based all-terrain robotic platforms, and their payloads. Example: Work with the biology department to create a ROV to explore and gather samples of life at the bottom of a local lake. Students should have interest in wanting to learn about mechanical devices as well as electronics circuits. Programming ability and experience with electronics is a plus, but certainly not a requirement.

CAD Drafting (319S)
Prerequisite: Physics I and Physics II, Trigonometry
CAD Drafting is especially designed to give the pre-engineering student an advantage with introductory skills in engineering drawing, descriptive geometry, computer-aided drawing, and computer-aided manufacturing. The course will instruct through prescriptive lessons to develop fundamental skills and evolve into project based and collaborative learning.

Magnet Honors Organic Chemistry (3142S)
Prerequisites: Magnet Chemistry 1A and 1B, Algebra II K or Honors Algebra II K
Honors Organic Chemistry is intended for students interested in pursuing careers in the fields of science, medicine, and/or engineering. This course serves as an introduction for the study of the chemistry of carbon compounds by applying principles rooted in general chemistry. Topics of study include: bonding in organic molecules, organic nomenclature, functional groups, organic synthesis, laboratory applications, and bio-organic chemistry.

Biochemistry (318S)
Prerequisites: Magnet Chemistry 1A and 1B, Algebra II K or Honors Algebra II K
Biochemistry is an integrated course that uses the principles of chemistry to understand and explain phenomena that occur in living systems. This course will use this integrated approach to understand two major enduring themes in biochemistry: chemical nature of bioenergetics and the process of chemical information storage in organisms. A variety of instructional methods paralleling a professional biochemistry post-secondary course will be implied and a strong emphasis will be on literacy, research methods, and career paths within biochemistry.
Anatomy and Physiology I (307S)
Prerequisites: Magnet Biology 1A and Magnet Biology 1B, Anatomy and Physiology II must be taken following this class.
This course is a study of human anatomy and the relationship between structure and function. The course provides preparation in systemic physiology with concentration on major body functions and their controls. Topics include cytology, mitosis, meiosis, heredity, histology, organology and the following systems: integumentary, skeletal, muscular, and nervous. Dissections of organs and organisms will be an integral part of the course. Systemic diseases will be studied and case studies conducted. Current event topics will be researched and reviewed on a weekly basis.

Anatomy and Physiology II (308S)
Prerequisites: Magnet Biology 1A and Magnet Biology 1B, Anatomy and Physiology I.
This course is a continuation of Anatomy and Physiology II. Topics include the endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Similar laboratory experiments and research will be conducted. Systemic diseases will be studied and case studies conducted. An in depth research will be conducted on a health career and a paper written. Current event topics will be researched and reviewed on a weekly basis.

Genetics (314S)
Prerequisites: Magnet Biology 1A and Magnet Biology 1B
This course is a survey of the basic fundamentals of genetics and their application to contemporary issues. Major topics include DNA structure and replication, the chromosomal basis of inheritance, protein synthesis, and genetic engineering. Special topics may include human development, cloning, stem cell research, DNA fingerprinting, cloning, and genetic basis of disease.

Advanced Placement Biology (3081S and 3081BS)
Prerequisite: 93 or above average in Magnet Biology 1A and Magnet Biology 1B
Advanced Placement Biology is a college level course that focuses on molecular biology, genetics, evolution, anatomy and physiology, animal behavior, and ecology. This course will place special emphasis on preparing the student for successful completion of the Advanced Placement Biology Examination. Students are required to take the Advanced Placement Examination for juniors or seniors.
Microbiology (315S)
Prerequisites: Magnet Biology 1A and Magnet Biology 1B
This course is a study of morphology, biochemical activity of bacteria and viruses. Emphasis will be placed on pathogenic microorganisms and the diseases that they cause, control measures and diagnostic procedures. This course will also study the human body’s immune response involving the innate and acquired immune response. The laboratory investigations will cover basic skills needed for a general microbiology laboratory.

Environmental Biology (3067348S)
Prerequisite: Magnet Biology 1A and 1B
Environmental Biology is an introduction to how the world we live in works, how we use and abuse nature, and what we can do to protect our environment for ourselves and future generations. The topics include ecology, populations, natural resources, pollution, society, and the environment.

TECHNOLOGY
Introduction to Computer Science and Programming (771S)
This subject is aimed at students with little or no programming experience. It provides students with an understanding of the role computation can play in solving problems. It also helps students, regardless of their major, to feel justifiably confident of their ability to write small programs that allow them to accomplish useful goals. The class will use the Python™ programming language.

JAVA 1 (772S)
This course is an introduction to software programming, using the Java™ programming language. Students will learn the fundamentals of Java™. The focus is on developing high quality, working software that solves real problems.

Digital Design/Web Design (774S)
This is a "hands-on" course emphasizing traditional illustration skills such as visual problem solving, composition, and drawing. Students spend time working on sketches and concepts for illustration assignments and executing these assignments in digital applications. There will be an opportunity to create illustrations using more than one computer application.
WORLD LANGUAGE

Languages, other than Spanish, will be taught through video conferencing with classes at the high school.

French III (123S)
Prerequisite: French II or Honors French II
French III continues to build upon skills in conversation, reading, and writing. Students are introduced to the past tense and further expansion of vocabulary. Topics of interest include learning about French homes, understanding French government, and learning interesting facts about well-known French cities.

Honors French III (1231S)
Prerequisite: 93 or above average in French II or Honors French II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

German III (133S)
Prerequisite: German II or Honors German II
German III continues to build and refine communication skills in both the present and past tense by means of longer and more complex conversational patterns and writing assignments. Emphasis is placed on correct pronunciation and grammatically correct phrase and sentence structure.

Honors German III (1331S)
Prerequisite: 93 or above average in German II or Honors German II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.

Spanish III (153S)
Prerequisite: Spanish II or Honors Spanish II
Spanish III is designed to review the basic grammar skills learned in Spanish I and Spanish II. Students are introduced to more complicated grammar structures. Speaking, writing, reading, and listening skills are reinforced through active student participation in class activities.

Honors Spanish III (1531S)
Prerequisite: 93 or above average in Spanish II or Honors Spanish II
Honors courses include more rigorous, intensive application of core content at or above grade level with required independent reading and research at an accelerated pace.
PHYSICAL EDUCATION

Grade 11 Physical Education (402S)
The Physical Education courses taught in grade 11 will encourage students to participate in activities which will enhance their physical, mental and social, well-being. Students will participate in team sports, individual sports, life time sports, fitness programs and aquatic activities.

Marching Band (661H)
Prerequisite: Intermediate instrumental skills
Marching Band will provide students with an ensemble experience in which they can develop advanced instrumental techniques while performing a variety of musical styles. There are numerous public performances to display acquired skills. An outgrowth of this group is the following performing groups: pep band, stage band, woodwind choir, brass choir, and other small ensembles.

Freshman/Sophomore Concert Choir (664H)
The Freshman/Sophomore Concert Choir is part of the Cougar Concert Choir. The Choir is designed for all members of the Freshman/Sophomore classes that are interested in participating in the Cougar Concert Choir. This arrangement is made for scheduling purposes. The Concert Choir will have numerous opportunities to perform many styles of choral music at school and public performances. All members of the Concert Choir will study correct vocal production and strive to improve their musician-ship.

College Board SAT Preparation Course (119S)
This course is a one semester elective for 11th grade students interested in preparing for the College Board entrance exam (SAT). The course will emphasize test taking skills, familiarity with the test format and grading, and review of relevant topics. Critical reading, mathematics, and writing will be covered in this one credit elective course. Prerequisites are Algebra II and English II.

IMPORTANT
All Magnet STEM students must maintain an 85 overall GPA. Math and Science grades must be a minimum of 85% each. Students will be put on academic probation for one semester if these requirements are not met and maintained.
Supplemental Courses

Special Education delivers services that are comprehensive, balanced, and appropriate in guiding students to realize their highest potential. Most students with Individualized Education Plans access the general education curriculum with adaptations, allowing them to learn in the least restrictive environment. The following courses provide opportunities for transition from school to post-secondary work or learning environments.

**Functional Academics** – required courses offered through a modified curriculum, focusing on the Pennsylvania Alternate Eligible Content and Alternate Assessment Anchors. NOTE: These courses are scheduled with the approval of the special education teacher. The functional Math and English courses are year long.

- **Functional English** (971H) (971C) (971N) 2 credit course
- **Functional Math** (972H) (972 C) (972 N) 2 credit course
- **Functional Science** (973H) (973C) (973N)
- **Functional History** (974H) (974C) (974N)

**Career Exploration I** (958C)
Students in grade 10 are introduced to basic cooking, carpentry, lawn maintenance, and auto detailing. Students learn and practice the specific components of each job. Skill development focuses on time on task, job completion, next step, and following directions. This is a year-long 2 credit course.

**Career Exploration II** (959C)
Students in grades 11-12 continue to develop and refine skills in basic cooking, carpentry, lawn maintenance, and auto detailing. Skill development focuses on time on task, job completion, next step, and following directions. Job mentoring is introduced and students begin to develop task specific skills for job mentoring application. This is a year-long 2 credit course.

**Employability Skills I** (992C)
Designed for 12th grade students, this course is taught in a community setting. Students learn and practice “soft skills” necessary for sustained employment. This is a year-long 2 credit course.
Employability Skills II (993C)  2 blocks
Designed for 12th grade students as well as students who have banked their diploma and continue to need skills necessary for future employment. This is a year-long 4 credit course.

Introduction to the College Experience (945C)
This course is offered to college bound students in grades 11-12 who are planning on attending a two-year, four-year, technical or trade school after high school. Students will be informed of their rights and responsibilities in relation to the college curriculum, accommodations, and expectations. SAT accommodations, time management, study and note taking skills, assistive technology, and financial aid information will also be addressed. A college campus visit will be arranged.

Industrial Arts I (954C)
Students, 10th – 12th grades, will be introduced to the fundamentals of carpentry terminology, tools, and techniques. Students will produce projects from draft to completion. Emphasis will be on measurement, safety, and proper tool usage.

Industrial Arts II (957C)
Prerequisite - Industrial Arts I This course is designed to build on skills learned in Industrial Arts I

Small Engine Repair I (955C)
This is a hands-on program designed to give students, 10th - 12th grades, skills needed to repair, service, maintain, and diagnose problems on a variety of small internal combustion engines as used on portable power equipment such as lawn mowers, snowmobiles, motorcycles, pumps, and generators. Instruction also includes the use of technical and service manuals, specialized and hand tools, and diagnostic test equipment.

Introduction to Restaurant Services (930)
A basic course that includes operations and skills sets of various careers in hospitality and restaurant occupations. Course emphasis will include cleaning, baking, sanitation, sterilization, and exploring various job opportunities.

VITAL Vocational and Independence Training for Adult Life (989)
This course is designed for 11th and 12th grade students who require skills training in order to function independently in the community. The community setting offers experiences in house maintenance, cooking, gardening, shopping, laundry, budget knowledge, and navigating the community, including using public transportation.

VITAL 2 Vocational and Independence Training for Adult Life 4 credit course
This course is designed for students in 12th grade as well as those students who have banked their diplomas and continue to require skills training in order to function independently in the community. The community setting offers experiences in house maintenance, cooking, gardening, shopping, laundry, budget knowledge, and navigating the community, including using public transportation.
Life Learning Skills
The Life Learning Skills program provides students with an individualized blend of functional adaptive living skills as well as a refinement of functional academic skills needed to transition into adulthood. The course content is aligned with the Pennsylvania Alternate State Standards. The program incorporates Community Based Instruction (CBI) and the VITAL program for the purpose of generalizing skills learned in the classroom.

(980MH) (980MN) Life Learning Math
(980SCH) (980SCN) Life Learning Science
(980HH) (980HN) Life Learning History
(980EH) (980EN) Life Learning English

Daily Living Skills
This course is designed for students who need a highly specialized learning environment for acquiring functional daily living skills as determined by their IEP goals and objectives. The course content is aligned to the Pennsylvania Alternate State Standards.

(953MH) (953MN) Daily Living Skills Math
(953HH) (953HN) Daily Living Skills History
(953EH) (953EN) Daily Living Skills English
(953SCH) (953SCN) Daily Living Skills Science

URS Job Orientation (985H) (985C) 2 blocks 4 Credits
This course, offered at a community site, develops skills needed for a successful work experience through supported employment training.

Work Study (986H) (986C)
This course is offered to students in grades 11 –12 who are ready for competitive employment. Under the direction of the Transition Liaison, the student will have guidance in choosing the correct job, securing and maintaining employment. This will be a cooperative effort among employer, student, and transition liaison. Student must secure permission from transition liaison.

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Learning Strategies (946N)
This class is designed as an intervention class to teach and to reinforce skills that will help 9th grade students, who have not scored proficient in PSSA, become successful, proficient learners.

Learning Strategies (946)
This class is designed as an intervention class to teach and to reinforce skills that will help students in grades 10-12 who have not scored proficient in PSSA, become successful, proficient learners.

Learning Strategies 180 (901H) (901C) (901N)
Learning Strategies 180 B (902H) (902C) (902N)
This intensive reading intervention is designed to increase students’ fluency and comprehensive skills.
Note: This course is scheduled with the approval of the special education teacher. This is a year-long course.

Learning Strategies 44 (912H) (912C) (912N)
Learning Strategies 44 B (913H) (913C) (913N)
This intensive reading intervention is designed to increase reading skills through mastery of phonics.
Note: This course is scheduled with the approval of the special education teacher. This is a year-long course.
Support courses provide specialized instruction of content, aligned to the general education curriculum, for students in grades 9-12, who require a highly structured learning environment and a behavioral interventions.

Support English (976H) or (976N)
Support History (977H) or (977N)
Support Math (978H) or (978N)
Support Science (979H) or (979N)
Support Employability Skills (996H) or (996N)
Support Study Skills (948H) or (948N)
Support Computer Applications (947H) or (947N)

Independent courses are scheduled for those students receiving instruction through an Instruction in the Home placement. The course content will focus of the goals and/or objectives of the student’s IEP.

Independent English (981H) (981C) (981N)
Independent History (982H) (983C) (983N)
Independent Math (983H) (983C) (983N)
Independent Science (984H) (984C) (984N)