

JERSEY SHORE AREA SENIOR HIGH SCHOOL

9th Grade

Pathways Course Catalog

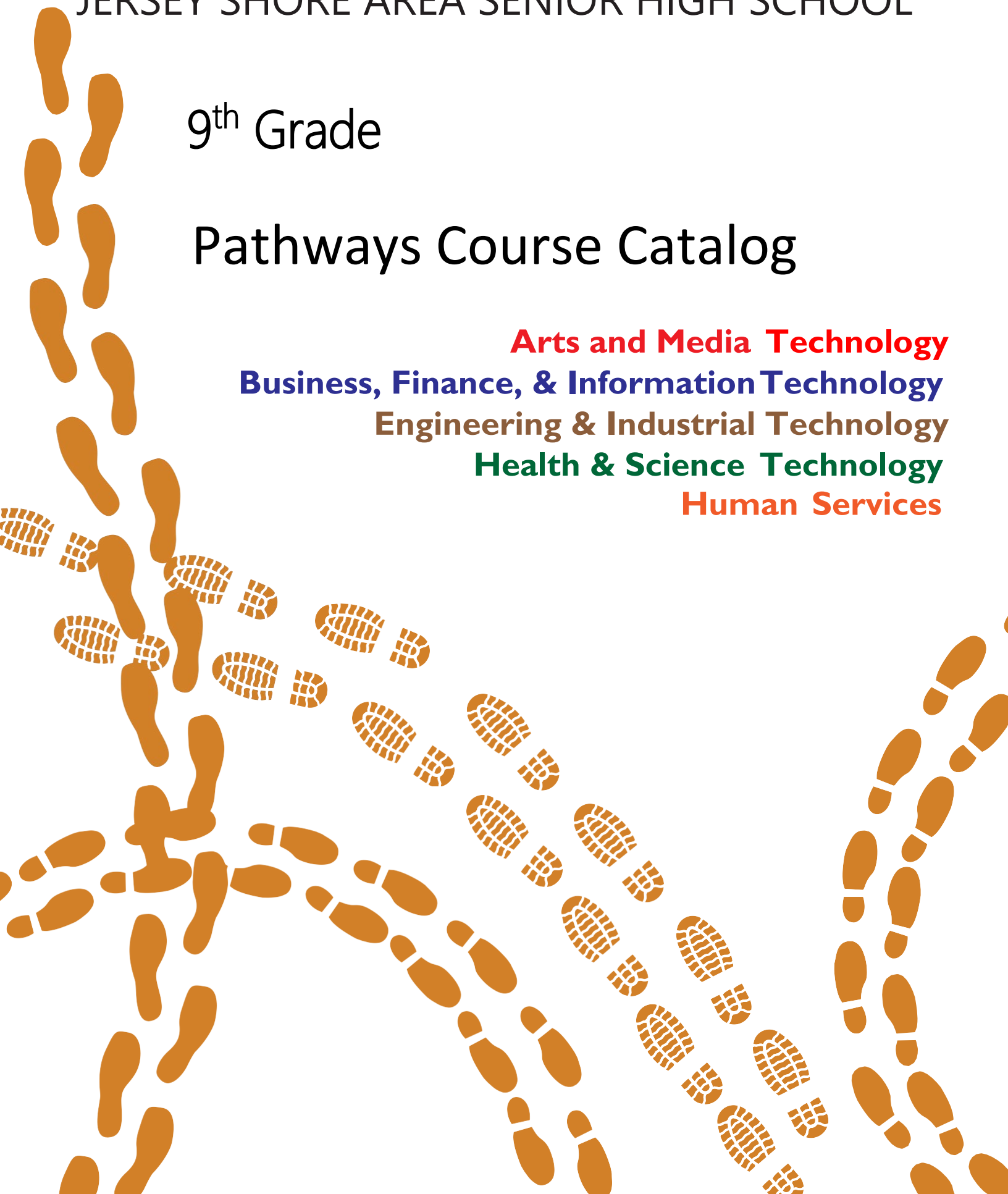
Arts and Media Technology

Business, Finance, & Information Technology

Engineering & Industrial Technology

Health & Science Technology

Human Services



Compliance Statement

It is the policy of the Jersey Shore Area School District not to discriminate on the basis of race, sex, religion, color, national origin, age, handicap or limited English proficiency in its educational programs, services, facilities, activities or employment policies as required by Title IX of the 1972 Educational Amendments, Title VI and VII of the Civil Rights Act of 1964, as amended, Section 504 Regulations of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Section 204 Regulations of the 1984 Carl D. Perkins Act or any applicable federal statute.

For information regarding programs, services, activities, and facilities that are accessible to and usable by handicapped persons or for inquiries regarding civil rights compliance, contact: Jersey Shore Area School District, 75 A&P Drive, Jersey Shore, PA 17740, 570- 398-1561; or the Director of the Office of Civil Rights, Department of Health, Education and Welfare, Washington, D.C.

FOREWORD

This catalog is presented by the entire staff of Jersey Shore Area Senior High School (JSASHS) as a source of information regarding the courses of study. This Pathway Guide outlines the tracks of study at the high school and identified the course offerings that will qualify a student as a completer in that specific pathway. A course description for each subject has been written so that the students will be aware of the material to be covered in each class. The courses listed in this guide are tentative offerings for the upcoming school year. A course will be offered **only if** enough students request it.

We are interested in providing the finest education possible through offering a diversified curriculum. Students and parents must accept the responsibility of making careful and wise decisions. The teachers, counselors, and administrative staff of JSASHS are ready to assist all students in selecting a schedule that will fit individual needs and interests. Before attempting to make course selections, the students and parents should carefully read the material found in this guide. Special attention should be given to the **requirements for graduation** which are as follows:

1. The subjects in which the required credits are earned will depend upon the course of study chosen.
2. Accumulation of **twenty-seven and a half (27.0)** credits in grades nine (9) through twelve (12).
3. Completing all state requirements in accordance with ACT 158.
4. Each student must participate in and pass certain required subjects.

Requirements for each grade level are as follows:

- 0 – 5.75 credits Freshman Status
- 6 – 12.75 credits Sophomore Status
- 13 – 18.75 credits Junior Status
- 19 + credits Senior Status

Content Areas	Required Credits
English	4.0
Mathematics	4.0
Science	3.0 or 4.0
Social Studies	3.0 or 4.0
Physical Education	2.0
Health Education	0.5
Business Education *Computer Applications (0.5) *Personal Finance (0.5)	1.0
Required Elective Courses *Art – Music – Family Consumer Science (0.5) *Technology Ed - CTE (0.5)	1.0
Elective Courses * Pathway * General	6 2.5 - 6
Total Credits	Min./Max. 27 / 32

SELECTION/SCHEDULING OF COURSES

Students are to have a complete schedule prior to the start of school. Students are encouraged to register for a full eight period day.

Once the school year begins, students may add classes if there is a free period during the day. **Requests to change a schedule after the start of the year and will be limited to those students seeking to advance their schedule.** Consideration will also be given to schedule changes to better support the completion of a specified Pathway to fulfill college-career readiness requirements. Students and parents are encouraged to review the Pathway Guide that outlines the tracks of study at the high school. Each pathway includes specific, required classes and identified electives. To aide in the scheduling process students should identify and follow a pathway to graduation.

WITHDRAW/FAIL

Any student/parent who elects to be removed from a class for any reason beyond seeking to advance a schedule will receive a grade of a withdraw fail (WF) on the high school transcript.

INTERVENTIONS

Jersey Shore High School offers a variety of tiered interventions to support students. Academic support to students is offered by teachers during the SHORE period. School personnel also evaluate needs of students throughout the academic year and work to develop plans to fit the needs of the student(s). Targeted remediation and tutoring programs are conducted when the schedule allows. We encourage students and/or families to reach out to teachers and the guidance office regarding tiered supports for students.

DUAL ENROLLMENT

A number of our classes are dual enrollment classes in conjunction with Pennsylvania College of Technology (PCT) and Lackawanna Community College (LCC). These courses create an official college transcript for the class(es) in addition to being identified on your high school transcript. Due to an agreement between PCT and the JSASD there is no cost to take PCT courses. There is a \$100 per credit tuition costs for all Lackawanna Community College courses. Additional student costs may include the expense for textbooks which will vary from \$0 - \$200 depending on the course for both PCT and LCC. Course marked with ♠♠ identify the course as a dual enrollment

Curriculum Guide – Course Descriptions

Art

Introduction to Art

Grade 9

.50 credit

Introduction to art is designed to give students a broad experience in two dimensional and three dimensional art. Students will learn and use the elements and principles of art in a variety of media (paint, pastel, colored pencil, plaster, etc.). Assignments are designed to challenge, exercise creative muscle, and broaden artistic experience. This class will give students an excellent foundation for continuing their education in the art industry or communication technology pathway. All projects must be completed in order to receive credit for this course.

Learning to Draw

Grade 9-12

.50 credit

Anyone can learn how to draw. With practice and a desire to learn, students who have no drawing skills can become excellent artists. This is an introductory course on drawing. Students will start from very basic techniques and applications advancing slowly and methodically to more advanced methods. They will work from nature, still life and people in a variety of media; exploring qualities of line, texture, light and space. All grade levels are allowed to sign up for this class. All projects must be completed in order to receive credit for this course.

Sculpture

Grade 9-12

.50 credit

Students will create a wide range of sculptures using various materials, tools and techniques. Clay sculpting will be a large part of the class and will supplement any pottery classes that students may take. Materials will range from clay, wood, stone, plaster, and drywall. All projects must be completed in order to receive credit for this course.

Commercial Art

Grade 9-12

.50 credit

In this course students use fine art and design skills to create and communicate in various areas of commercial design. This may include product design, storyboards and illustrations, fashion design, and interior design. Students will explore the creative planning involved in creating commercial concepts/ This course will give students an excellent foundation of skills to continue their education in the arts and communications technology pathway. All projects must be completed in order to receive credit for this class.

Business, Finance and Information Technologies

Courses in Business, Finance and Information Technology (BFIT) lead to career and college readiness for jobs in the fields of accounting technology/finance; sales, marketing & distribution; and business entrepreneurship. These courses allow students to (1) develop life skills needed by all consumers; (2) prepare for both college, employment, and personal finances; (3) acquire lifelong skills and habits to apply to a career; (4) broaden life-long work and study options; (5) pretest career interests before going to college; and (6) provide an opportunity to apply academic content. Since BFIT courses are designed to provide the skills and competencies that will be used in a variety of careers as well as student's personal lives, any student may take business courses as electives. Three state-approved Career & Technical Education (CTE) programs begin in Grade 10 and follow the required scope and sequence of courses leading to greater opportunities for CTE students. CTE programs have specific requirements that are outlined in the Pathways Guide.

Computer Applications/REQUIRED COURSE

Grade 9 .50 credit

Computer Applications is a course that teaches students how to create, edit, and format word processing, spreadsheet, and presentation files using Microsoft Office. There is a strong focus on careers and the students will take the ASVAB diagnostic test (when available) or other career assessments to better understand career options. Introduction to the Internet and its research capabilities will be presented. Students must also complete a resume, a letter of application, other job-related materials, and digital citizenship topics.

Career and Technical Education Programs

The Career & Technical Education (CTE) programs at Jersey Shore are designed to foster career and college readiness by embedding technical skill training into a comprehensive academic curriculum that prepares students for college-level studies and successful careers. This not only promotes personal success but increases individual contributions to an innovative and competitive regional and state economy. Building this foundation is what CTE is all about. CTE also grants students access to industry-recognized certifications, work-based learning environments, articulation agreement credit opportunities, and access to industry-standard equipment, supplies, and technology used by professionals working in the industry. Each CTE program has specific requirements that are outlined in the Pathways Guide.

Introduction to Human Services

Grade 9 .50 credit

This class is good for anyone who wants to help others or explore careers in the human service field. If you are interested in teaching or the Child Care CTE program you should take this course. Students will study childhood development and age-related milestones. Students will participate in some community service projects to help others. The students will explore their own skills and interests and develop their own individual career plan. This course also focuses on soft skills and helps students develop the organizational and communications skills they need in this type of work.

Family and Consumer Science

Grade 9-10 .50 credit

This elective course is meant to help students develop a basic understanding of financial and resource management for independent living. They will improve their skills in a manner that will help to maintain a healthy lifestyle that balances work, family, and community responsibility. Such topics as food science & nutrition, child development, family functions, communication skills, and consumer rights and responsibilities will be incorporated into the course.

Multimedia Design

Grade 9-10 .50 credit

Being able to create digital content that accomplishes a goal/objective is a skill that many employers are looking for in the marketing, design, and digital media fields. This project based hands-on exploratory course gives students a look into the world of creating digital content in three main forms:

- Digital/Graphic Design
- Digital Video Production
- Digital Photography

This program will expose students to basic camera operation with a focus on photography and video production/editing. These are cornerstone skills for a future career in a digital media field. We will explore concepts such as:

- Digital Camera Operation
- Basic Photo Editing
- Basic Video Production/Editing

Pathway Rotation

Grade 9 1.0 credit

This course is the gateway class for the Career and Technical Education (CTE) Engineering and Industrial Trades-Technologies Pathway: Industrial Technologies is a four (4) part rotation course consisting of Automotive Technology, Construction Trades, Electronics, and Manufacturing programs. Students will learn basic skills in electrical, programming, engines, prints, schematics, measurements, basic tools, units, welding, and machinery. This course provides the fundamental foundation skills necessary for the various CTE programs.

Pathway Options

Health Occupations

Grade 9**.25 credit**

Healthcare professionals are the heroes of today and tomorrow—explore a field where every day is an adventure, and your skills can bring hope and healing to people in need. Exploratory Health Occupations introduces students to the vast and dynamic world of healthcare careers. This nine-week course provides a broad overview of roles and responsibilities within the healthcare field, emphasizing the diverse opportunities available. Through interactive activities and project-based learning, students will gain insight into healthcare systems, professional expectations, and the skills required to succeed in various healthcare occupations. Areas of exploration include:

- Basic healthcare concepts
- Overview of high-demand careers, including nursing, medical assisting, and allied health professions
- Simulated scenarios that introduce basic healthcare tasks
- Career Spotlights: Guest speakers, videos, and research projects on various professions

This course is ideal for students curious about healthcare and interested in discovering pathways that align with their skills and interests. It serves as a steppingstone for more specialized healthcare courses and careers.

Automotive Technology Exploration

Grade 9**.25 credit**

Did you ever get a chance as a kid to help your family or friends work on a vehicle, lawn mower, dirt bike, or four-wheeler? If you did then this course would be a breeze for you but if you didn't, this course would give you a chance to be able to get your hands dirty and learn the basics of the automotive industry. In this nine-week course, students will learn and explore internal combustion engines, basic hand tool usage, and basic auto shop safety. Students will focus on the fundamental skills necessary to explore the Automotive Technology career pathway.

Computer Systems & Networking Exploration

Grade 9**.25 Credits**

Computers and computing devices are everywhere. Cell phones, tablets, gaming consoles are all connected to a global Internet. How do we navigate this connected world? How many different jobs and careers are involved in making it possible? Is one of them right for you?

- Explore Career Options in Computing
- Learn the Parts of a Modern Computer
- Basic Home Networking and Wi-Fi
- Online Safety and Etiquette
- Future Trends in Computing

Students in this class will explore a wide variety of career options involving computers. They will learn about how the computing industry impacts their lives and how they can fit into the vast variety of fields related to computing.

Building Maintenance Exploration

Grade 9**.25 credit**

***May not be offered depending on instructor availability.**

Students will be introduced to various skills and tasks which are necessary to work in the field of Building Maintenance and property care. The students will experience the use of available hand tools, machinery and operations. This course will serve as a foundation course for students who are interested in the Building Maintenance pathway.

Precision Machining Exploration

Grade 9**.25 credit**

This course provides an exciting exploration into the world of precision machining. Key concepts and techniques in modern manufacturing will be examined. The fundamentals of Computer-Aided Design and Drafting (CADD) will be learned, enabling the creation of detailed models and blueprints. The course will also cover CNC (Computer Numerical Control) machining, focusing on how these machines operate to produce precise parts. Practical skills in sheet metal fabrication will be developed, allowing for the transformation of flat materials into functional designs. Additionally, basic welding skills will be introduced, emphasizing the safe and effective joining of metal pieces. By the end of the course, participants will have a solid foundation in precision machining, preparing them for future endeavors in engineering and technology.

English

Students are required to earn a minimum of four (4) English credits for graduation, pass the English 9 course, score proficient or advanced on the Keystone Literature Exam and, pass the Public Speaking/ Research course in order to graduate. Students who do not pass the Keystone Exam will be required to take the Keystone English course in 10th Grade. Students must take at least .50 credits in English their senior year.

English 9

Grade 9

1.0 credit

This course emphasizes a variety of literature, including Shakespeare's *Romeo and Juliet*, Homer's *The Odyssey*, and Harper Lee's *To Kill a Mockingbird*, as well as a number of novels, short stories, and poems. Research and documentation methods are crucial components, in addition to the writing process. Word studies are conducted, as well as taking words in context from literature. Literary concepts will be emphasized. This course is designed to prepare students to take the Keystone Literature Exam in May of the freshman year.

English 9 College Prep

Grade 9

1.0 credit

Recommended prerequisite: recommendation of 8th grade ELA teacher or permission of instructor

This course requires summer reading and assignments.

The course of study includes a variety of literature similar to that of English 9. A study of the history of the background of the author and period is included to provide insight into the piece of literature. Grammar is taught in correlation with writing and vocabulary. Sentence structure and more advanced grammar concepts are fine-tuned from basic knowledge. Particular writing methods are taught, including formal research, expository, comparison and contrast, and persuasive. Developmental vocabulary is continued through vocabulary texts, context of literature, and word lists that accompany pieces of literature. Independent reading and IXL are used to enhance standardized test scores. This course will prepare students to take the Keystone Literature Exam in May of the freshman year.

The Following Elective Courses Will NOT Count for English Credit

Journalism

Grade 9-12

1.0 credit

Utilizing project-based learning student journalism activities, those enrolled in this course will develop stories that are meaningful and address current issues. Students will learn how to identify a “newsworthy” topic, key aspects of print and broadcast news, ethics of journalism, and the art of the interview. Through print and visual media, student projects develop communication skills, critical thinking skills, and offer students a way to positively respond to key topics in society.

This is an elective credit not an English credit.

Mathematics

Upon completion of 8th grade, all students will need to choose a math pathway for the high school. A score of Proficient or Advanced on the Keystone Algebra 1 exam in 8th grade is a recommended prerequisite for the Honors Pathway.

Algebra 1

Grade 9

2.0 credit

The study of Algebra lays the foundation for mathematics, sciences, and technical courses a student will be taking in the future. Students learn to express relationships verbally, pictorially, graphically, and symbolically. Equations are solved graphically prior to solving them symbolically. Emphasis is on connections to the real world and to various mathematical strands. Geometric models are used to connect the visual and the symbolic. The second half of the year will focus on topics such as functions, polynomials, series, sequences, and conic sections. Emphasis is placed on fundamental algebra skills such as factoring and solving linear systems. Use of a graphing calculator is essential throughout the course.

Academic Algebra 1

Grade 9

1.0 credit

The study of Algebra lays the foundation for mathematics, sciences, and technical courses a student will be taking in the future. Students learn to express relationships verbally, pictorially, graphically, and symbolically. Equations are solved graphically prior to solving them symbolically. Emphasis is on connections to the real world and to various mathematical strands. Geometric models are used to connect the visual and the symbolic. Use of scientific and graphing calculators is encouraged throughout the course. This course covers the same materials as #2120 but with more emphasis on the abstract applications and concepts and prepares the student to take the Keystone Exam at the end of the course. All students must take the Keystone Exam for Algebra 1.

Geometry College Prep

Grade 9-10

1.0 credit

Grade 9: Algebra 8 with a recommended minimum 90% average and Proficient or higher on the Keystone Algebra 1 exam

This is the accelerated Geometry for the 9th grade. In the study of geometry, students use inductive reasoning to identify patterns, and make conjectures---apply deductive reasoning to confirm conjectures through proof. The course begins with a strong development of visualizations and drawing skills. Algebraic and geometric models are used throughout to model a variety of real world situations. Proof is developed carefully throughout the text with an emphasis on understanding. Various proof formats are compared and used when appropriate---paragraph, flow-chart, and two column. The use of synthetic, coordinate, transformation, and vector approaches are promoted to help students understand the big ideas. Coordinate and transformation techniques are introduced early and used when appropriate. The use of manipulatives and constructions are integrated throughout to promote active involvement. This course emphasis is on the abstract applications and concepts, with a stronger emphasis on proofs and theory.

Keystone Algebra 1 Remediation

Grade 9-11

.50 credit

This course will target and reinforce basic information specifically related to the student performance on the Keystone Algebra 1 Exam. Students will complete assignments related to and correlated to each unit of study identified by the Keystone Anchors addressed in the Keystone Algebra 1 Exam. Students will learn studying and test-taking strategies designed to assist them in attaining proficiency on the Keystone Algebra 1 Exam.

Modern Language

Modern Language can be the key to a successful future in both school and business. More than 70% of U.S. firms report that knowledge of a second language is an important consideration for successful employment. They seek employees with functional language skills as well as sensitivity to social and cultural differences. Speakers of a foreign language are greatly valued by international business firms as well as social services, law enforcement, manufacturers, health service providers, and local employers. Most universities recommend foreign language study as both an admission and graduation requirement. Students who study a foreign language demonstrate a better understanding of other cultures in addition to their own. Combining foreign language skills with almost any other career pathway makes the student more desirable in the field of future employment.

Spanish 1

Grade 9-12 1.0 credit

This course is an introduction to the language and culture of societies with different speech and lifestyles. The initial stages of language learning include mastery of a new sound system through oral repetition and practice of pronunciation, vocabulary, phrases, and, eventually, conversations. Reading and writing in the language will be studied. The student will be introduced to the new culture throughout the year through use of books and other visuals, foods, native speakers, magazines, etc. as available. The culture--that is, the behavior, beliefs, and values--of the people studied is an integral part of this course. Evaluation is based on oral class participation, completion of homework assignments, projects, oral and written quizzes, and unit tests. Students will be expected to complete assignments in a self-disciplined, self-motivated manner.

German 1

Grade 9-12 1.0 credit

A beginners course in German. No prior knowledge of German is required. Students will learn how to communicate effectively in German at a beginners level. Students will also gain an in-depth understanding of German culture. The curriculum utilizes an online structure that integrates key German materials that incorporate information on culture and language. There is also the *Komm Mit!* Level 1 textbook used as a supplement. The abilities of students who complete German 1 will measure at the *Novice High* level according to the ACTFL Proficiency Guidelines.

Music

Concert Band

Grade 9-12 .50 credit

The Concert Band is a high school performing ensemble which rehearses every other day. Participants include students who have been involved in the music program since elementary and middle school. The Band performs for evening concerts and other special events throughout the year. Repertoire includes music from various periods of music history as well as contemporary wind ensemble literature and marches. Band members, *in good standing*, will have the opportunity to audition for LCBDA/PMEA county/district/region/state festivals. Opportunity for solo and small ensemble concerts may also present themselves throughout the year. Previous experience playing an instrument in the district's music program is highly encouraged, although not necessarily required. **Students without previous playing experience must meet with the director for permission to schedule this course.**

Extra-Curricular – Marching Band

Grade 9-12 No credit

The Bulldog Marching Band is an extra-curricular activity that meets entirely outside of the school day. Students do not need to participate in Concert Band in order to be a member. The marching band provides entertainment to the community through parades and football games. This ensemble also participates in local marching band competitions as well as the Lycoming County Band Director's Marching Exhibition. The Bulldog Marching Band begins each season over the summer and continues through the end of Marking Period 1. Repertoire includes serious works for marching band as well as contemporary and popular music. *Prior experience with color guard is NOT required as students will be taught by a color guard instructor.*

Concert Choir

Grade 9-12 .50 credit

The Concert Choir is a high school performing ensemble which rehearses every other day. The Concert Choir performs at school concerts and special events throughout the year. Repertoire includes music from various periods of history, as well as world and American music, folk and contemporary. The Concert Choir members, *in good standing*, may audition for PMEA district/region/state festivals and other select ensembles. Other performance opportunities may become available to perform in solo and ensemble concerts throughout the year.

Additional Ensembles/Activities - Co-Curricular

Grade 9-12 No credit

Students involved in the music program will also have the opportunity to participate in smaller, seasonal activities at the Jersey Shore Area Senior High School. *Possible* groups include: jazz band, wind ensemble, percussion ensemble, quartets, quintets, pep band, and various select vocal ensembles. Students are chosen by auditions for certain groups

Music History

Grade 9-12 .50 credit

This course is designed to help students understand how music has progressed throughout history and the stylistic changes music endured during different eras. In this class, students will listen to various styles of sacred and secular music from various countries as well as music by well-known composers. Students should be prepared to take notes and keep a detailed notebook. In addition, students will be required, on occasion, to write short papers/essays and give oral presentations. This semester course is open to all students who have an interest in the history of music. *Previous knowledge of how to read music is not required, but would be helpful.*

History of Rock and Roll: 50's, 60's, 70's

Grade 9-12 .50 credit

This semester course was created to fulfill the art/music/fcs component of the graduation requirements. It is designed to help students understand what constitutes the idea of "rock and roll" and its progression from the early 1950's through the 1970's. In this class, students will listen to examples of music from various artists/groups from the various time periods. In particular, considerable time is spent on music of the 1950's, 1960's, 1970's. Students should be prepared to take notes and keep a notebook for the class. In addition to quizzes/tests, students may be required to prepare an oral group presentation and an individual project.

Grade 9-12 .50credit

History of Rock and Roll: 80's, 90's 2000's

This semester course was created to fulfill the art/music/fcs component of the graduation requirements. It is designed to help students understand what constitutes the idea of "rock and roll" and its progression from the early 1980's through the 2000's. In this class, students will listen to examples of music from various artists/groups from the various time periods. In particular, considerable time is spent on music of the 1980's, 1990's, and 2000's. Students should be prepared to take notes and keep a notebook for the class. In addition to quizzes/tests, students may be required to prepare an oral group presentation and an individual project.

Voice 1

Grade 9-12 .50 credit

This semester course was created to develop student understanding of vocal health and technique. Goals of the course are as follows: learn proper student vocal technique, quality of overall performance, and artistry of individual voices; and to focus class attention on perfecting a vocal performance. Students will create a their repertoire of performance pieces and knowledge of vocalist.

Voice 2

Grade 9-12 .50 credit

This semester course was created to expand upon student understanding of vocal health and technique. Goals of the course are as follows: expand upon student vocal technique, quality of overall performance, and artistry of individual voices; and to focus class attention on perfecting a vocal performance. Students will expand their repertoire of performance pieces and knowledge of vocalist.

Grade 9-12 .50 credit

Keyboard 1

This semester course was created to encourage nontraditional instrumental students to pursue music study. In this class we will learn technique, theory, performance, and improve sight reading skills. A variety of musical genres will be used during this course. The pace of the course will vary by student, based on ability and prerequisite knowledge. Students may be required to practice on their own, take written quizzes/tests, and perform both alone and as a class.

Grade 9-12 .50 credit

Keyboard 2

(Prerequisite: Completion of Keyboard 1 with a passing grade)

This semester course was created to encourage nontraditional instrumental students to pursue music study. In this class we will learn technique, theory, performance, and improve sight reading skills. A variety of musical genres will be used during this course. The pace of the course will vary by student, based on ability and prerequisite knowledge. Students may be required to practice on their own, take written quizzes/tests, and perform both alone and as a class. Keyboard II will build on topics and foundational skills learned in Keyboard I.

Physical Education/Health

Physical Education REQUIRED

Grade 9-12 .50 credit

The physical education program will provide a wide variety of activities to meet the mental, physical, social, and emotional needs, as well as the interests and abilities, of all students. The activities are designed to develop interpersonal skills, positive attitudes, a desire to participate, physical fitness, and an appreciation of lifetime and individual sports. The activities are offered to each student in a co-educational, modified elective program. Students will have the opportunity to develop proficiency in movement forms. This proficiency involves the ability to demonstrate a degree of consistency and skillfulness in the execution of basic as well as advanced skills in offered activities.

Included in the program is a wide variety of activities, such as, basic swimming, disc golf, soccer, pickle ball, volleyball, softball, basketball, badminton, recreational games, square dancing, aerobics, yoga, floor hockey, aquatic fitness, fitness walking, lacrosse, and kayaking, canoeing, snorkeling and a variety of aquatic games. The students will have use of the “fitness center” which includes: cardio equipment, hammer strength training, and a variety of circuit training will be available to all students. Furthermore all ninth grade students and “new” students to the district will be certified in the technique, safety, care, handling of equipment and procedures of the fitness center.

Health & Wellness REQUIRED

Grade 9 (Required) .50 credit

This course is based off of the Pennsylvania State Standards for Health, Physical Education, Safety, Recreation, and Dance, as well as, the National Health Education Standards. The goals of this course are to introduce and explain the concept of wellness; provide current information on health issues; assist the student in developing a balanced lifestyle through understanding of the inter-relatedness of the physical, mental and emotional realms in making a healthy individual; provide an opportunity for students to examine and evaluate their personal relationships; and provide opportunities for the development of decision-making and critical-thinking skills.

Science

Students are required to earn a minimum of three (3) Science credits and score proficient or advanced on the Keystone Biology Exam to meet graduation requirements. Students who do not pass the Keystone Exam after the full year biology course, may be required to take the Keystone Biology Remediation course the following school year and will take the Keystone Biology Exam a second time.

Upon completion of 8th grade, students must choose a 442 pathway for the high school. A score of Advanced on the Keystone Algebra exam in 8th grade and a recommendation is a prerequisite for the Honors Pathway.

Earth and Space Science

Grade 9

.50 credit

This course will provide students with an understanding and knowledge of the Earth and the Earth's place in the Universe. The following topics will be covered: Astronomy- the Earth in the Universe, Meteorology-the atmosphere of the Earth, and Geology-the solid part of the Earth. The students will develop proficiency in basic laboratory process skills such as measurement, data collection, organization, analysis, and forming conclusions.

Introduction to Environmental Science

Grade 9

.50 credit

Introductory environmental course that introduces students to the concepts and principles of environmental science. Including agricultural and environmental systems and resources, environmental literacy skills, and sustainability and stewardship outlined in the PA STEELS environmental literacy standards.

Biology Advanced/College Prep (REQUIRED Course)

Grade 9-10

1.0 credit

9th Gr. Prerequisite: Recommended proficient on PSSA Reading Exam and must have a teacher recommendation.

Biology is the Keystone science trigger course for the high school. A score of proficient or above must be earned on the Keystone Biology Exam in order to meet graduation requirements. The biology course has been designed to enhance student understanding of the structure and function of all living things, the student's place in this community of life and to provide each student the tools required to be successful on the Keystone Biology exam. Topics include: the cell, cell division, the cell's role in the establishment and maintenance of homeostasis, bioenergetics, ecology, genetics, and evolution. This course is for students planning to pursue a 4-year degree.

Social Studies

The high school social studies program is designed to impart critical and analytical thinking skills to all students. As students explore history and are introduced to disciplines within the social sciences, they will also refine their written and oral communication skills. All students are expected to read assignments critically and participate actively in class discussions and activities.

PA School Code requires all students to be enrolled in the following history courses during their high school career:

- **United States History**
- **World History**
- **American Government**

United States History

Grade 9

1.0 credit

This course is designed to give career pathway students a broad background in the social, political, and economic development of the United States from 1815 to the present. Topics include, but are not limited to, westward expansion, and causes of the Civil War, Reconstruction, the Gilded Age, Populism, Progressivism, American Expansionism, New Deal Liberalism, World Wars I and II, the Cold War, the Civil Rights Movement, the Vietnam War, 1960's Liberalism, and Neo-Conservatism.

United States History 1

Grade 9

1.0 credit

This course is designed to give all students a broad background in the social, political, and economic development of the United States from the French and Indian War to the end of the Reconstruction era. Topics include, but are not limited to, the American Revolution, formation of a republican form of government, the birth of political parties, westward expansion, and causes of the Civil War. United States geography will also be an integral part of the course.

19th Century History Advanced/College Prep

Grade 9

1.0 credit

This college preparatory course will help students develop critical thinking and writing skills that they will use throughout high school and college. It will help students learn to think historically as they compare economic, political, intellectual, and social developments in Europe and the United States from the Seven Years' War to the end of the nineteenth century. Topics include, but are not limited to, the Enlightenment, American Revolution, French Revolution and Napoleon, Early American Republic, Jacksonian Democracy, the American Civil War, and European Imperialism. Students will be expected to read and write about challenging primary and secondary source materials. Since this course is also designed to prepare students for future Advanced Placement (AP) coursework in European and United States history, special emphasis will be placed on the critical thinking skills needed to complete the multiple choice and free response portions of the AP exam as well as methods to analyze primary documents.

