

Beaver Falls High School



Scheduling Course Selection Guide 2026-2027



Program of Studies
2026-2027

Counselor Student Assignments:
All Grade Levels 9-12

Ms. Angela Manno
(By Last Name)
A-J

Mrs. Leslie Gossett
(By Last Name)
K-Z

Selection of a high school program is one of the most important decisions a secondary student must make. The selections you make will determine the avenues of opportunity to you in your post-high school years. Be careful, choose wisely and weigh these choices against your life's goals. Please keep in mind your teachers, counselors and administrators will assist you and answer any questions you may have concerning your selections. Should you and your parents have any questions, please feel free to call 724-843-7470 Extension 1305.

The curriculum of Beaver Falls High School is planned to meet the needs of the youth of this community. It provides a thorough preparation for students who expect to enter college, technical or vocational school, and a general or vocational training for those who plan to seek employment immediately after graduation. The program is flexible and is designed to meet the needs of the individual student and to promote sound growth and achievement.

COURSE SELECTION

Each student is responsible for selection of his/her courses for high school, getting teacher permission where required and securing the signature of his/her parent or guardian. Deciding on courses should be done after consulting with his/her guidance counselor. After examining the various tests that he/she has taken, his/her previous grades, and career plans, the student should select a course of study that will fulfill his/her needs and meet his/her own requirements.

Once a schedule has been determined, the student is expected to complete the course. The master schedule is determined by the course selections made by the students. When provisions are made to offer a course because there is enough student demand, the students who made these choices are not permitted to change their selections. Schedule changes will be made only in exceptional circumstances and must be in accord with the provisions listed in the Student Handbook. These changes will be scheduled during the week prior to the start of school. During those first two weeks of school, schedules will only be changed with a parent conference. Any change in schedule that occurs after the first two weeks of school will be considered as a failure in the course and will be listed as such on the student's transcript and permanent record card.

IT IS THE RESPONSIBILITY OF THE STUDENT TO BE CERTAIN THAT HE/SHE IS CARRYING SUFFICIENT UNITS OF CREDIT AND THE REQUIRED COURSES FOR GRADUATION. IN ADDITION, EACH STUDENT IS RESPONSIBLE FOR KNOWING THE INFORMATION IN THIS PACKET.

GRADUATION REQUIREMENTS

4	English Credits	2	Physical Ed.
4	Social Studies Credits	1/2	Health
3	Science Credits	5	Electives
4	Math Credits	1/2	Communications
2	Creative Arts	1	Computer
**1/2	Financial Literacy	**1/2	Tiger Academics Project

Total Academic Credits	26 credits
Total Credits Needed for Graduation	26 1/2 credits

**1/2 Tiger Academics Project is School Board required starting with the Class of 2026.

**1/2 Financial Literacy Requirement is state mandated starting with the Class of 2028.

BE PART OF THE HONORS ACADEMY

To graduate with Honors, High Honors or Highest Honors, the student needs to fulfill the following:

HONORS

6 Honors Courses
26 Credits
3.0 Q.P.A.

HIGH HONOR

6 Honors Courses
26 Credits
3.5 Q.P.A.

HIGHEST HONORS

6 Honors Courses
26 Credits
3.7 Q.P.A.

HONORS COURSES (+Weighted Courses)

Honors English 9,10,11,12
Pre-A.P. English 10
+A.P. English Language 11
+A.P. English Literature 12
Spanish IV
+AP Physics
Lab Physics
Lab Chemistry (H)
+A.P. US History
+A.P. World Cultures

Anatomy
Ethnic Relations
Biochemistry
+A.P. Biology
Algebra III
Statistics
Pre-Calculus
+AP Calculus
College Algebra
A+A.P. US Gov't. & Politics

Jazz Ensemble
Madrigals
+A.P. Music Theory
Psychology
+A.P. Psychology
Honors Art
Accounting II
Programming II
Advanced Computer Science
+A.P. Economics

- No more than 3 Honors Courses in any one department may be counted toward satisfying minimum requirements.
- A "C" or better must be maintained in all Honors Courses in order to be counted for meeting the requirement.
- Jazz Ensemble and Madrigals may be counted only once, as an Honors Course requirement.

MEETING THE CREATIVE ARTS GRADUATION REQUIREMENTS

COURSES AVAILABLE:

Musical Theater (CA) 9 -12
Writing (CA) 9 -12
Public Speaking (CA) 9 -12
Journalism (CA) 9 -12
Mixed Chorus (CA) 9 -12
Digital Media(CA) 9 -12
Basic Foods (CA) 9 -11

General Art (CA) 9 -12
Marching Band (CA) 9 -12
Indus. Materials I (CA) 9 -12
Power Tech I (CA) 9 -12
Visual Comm. I (CA) 9 -12
Technical Drafting I (CA) 9 -12

STUDY HALLS

To the best of our ability, freshmen are not scheduled for any full period study halls but must carry a full schedule of classes. Study halls for upperclassmen are limited.

CAREER PLANNING

The Beaver Falls Area School District is committed to the preparation of our students for both post-secondary education and the world of work. We are committed to providing opportunities for our students to fulfill their aspirations. Choosing your future is one of the most challenging and exciting decisions you will make. To plan for your career, you must plan your high school academic program. The courses you take and your experiences and accomplishments in high school can lead you to a rewarding future. A career is more than just a job. It involves education, work, and lifestyle. Achieving success and a fulfilling future requires thoughtful planning and appropriate choices.

Every effort will be made to offer the entire curriculum to all students. However, the offering of these classes will be based upon availability of staff and interest of students.

SELECTING THE PROPER COURSES

Suggestions For The College Bound Student:

1. Students planning to attend college should take the most rigorous coursework available in advanced math, science and two years of world language to meet minimum college entrance requirements.
2. Students desiring to study engineering or any other math or science related major in college should pursue four years of advanced math and science.
3. Students planning Business related majors in college should consider taking advanced mathematics, computer and accounting courses.
4. Recommended that all college-bound students take an additional computer course beyond the software applications requirement.
5. Technical Drafting, Visual Communications and Fine Arts courses would be beneficial for students planning to enroll in engineering, drafting, design, art, or architectural studies in college.
6. All college-bound students should complete a minimum of two (2) lab science courses and two (2) levels of same world language.
7. Any student planning to participate in college athletics must take at least one (1) lab science course. Refer to the N.C.A.A. Clearinghouse page and/or visit the website at www.ncaaclearinghouse.com for guidelines.

AP and Dual Enrollment

BFHS offers AP and Dual Enrollment courses. Through these college-level courses, a student has the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. These courses will help develop the study habits necessary for rigorous course work and demonstrate maturity and readiness for post-secondary education. Enrollment in these courses is a commitment to hard work and academic excellence.

Advice about the ACT AND SAT Tests

Almost all four-year colleges require scores from either the ACT or the SAT. Students must be sure to check the websites of the colleges to which they intend to apply for testing requirements.

The website for the ACT is www.actstudent.org
and the SAT website is www.collegeboard.com

The ACT has four multiple-choice tests: English, Reading, Math, and Science. Students earn a score from 1-36 on each test as well as an overall Composite score. The ACT has an additional, optional Writing Test, which students are encouraged to take. While it does not affect the student's Composite score, many colleges use the score to make their own placement decisions for Freshman English classes.

The SAT Reasoning Test has two (2) sections: Critical Reading and Math. Each section is scored from 200-800 points and scores from all both sections are added up to make one total score.

RECOMMENDED TIMELINE FOR COLLEGE ADMISSIONS

Freshman Year

- Meet with your counselor to discuss your post-secondary plans
- Get involved with extra-curricular activities and community service
- Begin investigating post-secondary schools
- Enroll in college preparatory courses

Sophomore Year

- Meet with your counselor to discuss your post-secondary plans
- Investigate college costs and financial aid
- Enroll in college preparatory courses
- Consider enrolling in CCBC Academies for junior and senior year. Also, consider dual enrollment courses for fall semester of junior year

Junior Year

- Meet with your counselor to discuss your post-secondary plans
- Take the PSAT/ NMQST, given in mid-October
- Attend a financial aid night at our school, usually held in October
- Investigate entrance requirements to schools and examine application deadlines, scores required for admission, and financial aid possibilities
- Visit college campuses while they are in session
- Take first SAT test in March of junior year. Take SAT at least twice
- Enroll in college preparatory classes, consider taking AP courses and dual enrollment courses

Senior Year

- Narrow your list of college applications to 5-10. Review with your counselor. Apply before winter break
- Ask teachers for letters of recommendation, usually two
- Attend a financial aid night, usually held in October
- Take either the SAT or ACT if have not done so already
- Conduct a scholarship search and go over monthly Scholarship list provided by Guidance
- Apply for financial aid no later than February 15th
Compare award packages for each school
Make a final decision by mid-April and notify all schools applied to of your decision

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) REQUIREMENTS

Prospective student-athletes who plan to participating in Division I or II college athletics are responsible for planning their academic studies in accordance with the NCAA standards.

Core Courses

- **NCAA Division I requires 16 core courses.**
- **NCAA Division II will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the seventh semester and cannot be retaken for grade improvement.

Grade-Point Average

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA.
- **Division I** GPA required to receive athletic aid and practice is 2.000
- **Division I** GPA required to be eligible for competition is 2.300
- **The Division II** core GPA requirement is a minimum of 2.200.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA).
- **Division II** requires a minimum SAT score of 920 or an ACT sum score of 70.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections.
- The ACT score used for NCAA purposes is a **sum** of four sections.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency.
- Test scores that appear on transcripts will not be used.

DIVISION I – 16 Core Courses

4 years of English - AP, College Prep, or Honors
3 years of Math (Algebra 1 and higher)
2 years of nat./phys. Science (1 year of lab if offered by high school)
1 year of additional English, mathematics or natural/physical science.
2 years of social science
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II – 16 Core Courses

3 years of English - AP, College Prep, or Honors
2 years of Math (Algebra 1 and higher)
2 years of natural/physical science (1 year of lab if offered by high school).
3 years of additional English, mathematics or natural/physical science.
2 years of social science
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

Full Qualifier -Seven of your ten core courses are in English, mathematics or science and are banked before the start of your 7th semester of high school. Your sixteen core courses are in required subject areas. Your GPA in the core courses is greater than or equal to 2.3(DI) or 2.2 (DII) and you graduated High School.

Academic Redshirt - (Division I) Your sixteen core courses are in required subject areas. Your GPA in the core courses is greater than or equal to 2.0 and you graduated High School.

Non-Qualifier - (Division II) Your sixteen core courses are in required subject areas. Your GPA in the core courses is greater than or equal to 2.0 and you graduated High School.

Early Academic Qualifier - (Division I) Pre-seventh semester 14 core courses in required subject areas. Your GPA in the core courses is greater than 3.0 and you graduated High School. (Division II) Pre-seventh semester 14 core courses in required subject areas. Your GPA in the core courses is greater than or equal to 2.5 and you graduated High School.

ARTS & COMMUNICATION

This career area involves awareness, interpretation, application and creation of the arts and communication skills. Students may be interested in exploring this field if they:

- Are interested in art, music or writing
- Are creative and enjoy entertaining others
- Are good oral and/or written communicators
- Are open-minded
- Like to work in groups or teams

POSSIBLE CAREER OPPORTUNITIES INCLUDE:

Entertaining-Performing Arts: Acting and Redirecting, Dance, Drama/Theatre Arts

Visual & Performing Arts Education: Dance, Drama, Music, Physical Education

Communications: Writer, Public Relations, Broadcasting, Digital Media, Journalist, Photojournalist

Music: Conducting, Piano, Voice

Fine Arts: Architecture, Art, Art History, Ceramic Arts, Graphic Design & Visual Communications, Drawing, Fashion Design & Illustration, Film/Cinema Studies, Film-Video Production, Visual Arts, Industrial Design, Interior Design, Landscape Architecture, Jewelry Arts, Painting, Photography and Web Page Design, Florist

ELECTIVES TO CONSIDER:

- Band
- Basic Foods
- Beaver County Career & Technical Center Programs
- Broadcast Journalism
- Fine Arts I-III
- Chorus
- Communications
- Culinary Arts
- Digital Media I-IV
- English Grammar/Composition
- Entrepreneurship
- Fashion Design
- Financial Management
- General Art
- Honors Art
- Jazz Band
- Journalism I-III
- Modern Literature
- Multimedia
- Public Speaking
- Technical Drafting I-IV
- Musical Theater
- Visual Communications I-IV
- World Languages
- Writing

BUSINESS, FINANCE & INFORMATION TECHNOLOGY

Careers in this area are for students interested in working in the world on business, finance and information services. Students may follow this career path if they:

- Are interested in a business environment
- Are interested in accounting/mathematics
- Would like to own their own business
- Enjoy working with others, planning events and leadership roles
- Are interested in technology

POSSIBLE CAREER OPPORTUNITIES INCLUDE:

FINANCE

Accounting, Banking, Business Administration, Financial Planning, Finance, Insurance and Risk Management, International Business/Economics, Legal Administration, Marketing

MANAGEMENT

Advertising, Entrepreneurship, Fashion Merchandising, Hospital Administration, Hotel/Restaurant Management, Human Resource Management, Logistics and Materials Management, Organizational Behavior, Political Science, Real Estate, Retail Management and Travel-Tourism Management.

PROFESSIONAL:

Software Engineer, Tax Examiner, Desktop Publisher, Sales Representative, Operations Analyst, Chief Executive Officer.

ELECTIVES TO CONSIDER:

- Accounting I & II
- Basic Foods
- Business Math
- Business Communications
- Culinary Arts
- Criminal/Civil Law
- English Grammar/Composition
- Entrepreneurship
- Exploratory Business
- Fashion Design I & II
- Financial Management
- Multimedia
- Pre-Calculus
- Psychology
- Public Speaking
- Sports & Entertainment Management I & II
- Statistics (H)
- Travel & Tourism I & II
- Visual Communications I-IV
- World Languages
- Writing

ENGINEERING & INDUSTRIAL TECHNOLOGY

This career area relates to design, development, installation or maintenance of physical systems. Occupations involve responsibility for engineering and structural design in the manufacture, construction or transportation of products or utilities.

STUDENTS MIGHT CONSIDER THIS CAREER PATH IF THEY:

- Enjoy building things
- Prefer math and science
- Enjoy design projects
- Like research
- Are detail oriented
- Enjoy working as part of a team
- Enjoy problem solving

POSSIBLE CAREER OPPORTUNITIES INCLUDE:

Engineer, (Aeronautical, Petroleum, Nuclear, Plastics, Chemical, Aerospace, Civil, Mechanical), Architect, Drafter/Designer, Health & Safety Inspector, Robotics, Astronaut, Computer Networking Manager, Air Traffic Control, Electrician, Civil Engineer, CAD/CAM, Diesel Mechanic, Plumber, Carpenter, Mason, Machine Operator & Systems Administration.

ELECTIVES TO CONSIDER:

- All Chemistry classes
- All Physics classes
- Beaver County Career & Technical Center Programs
- Digital Media I-IV
- Engineering Essentials
- English Grammar/Composition
- Fine Arts I-III
- General Art
- Honors Art
- Industrial Materials I-IV
- Intro. To Engineering
- Mathematics (Highest Levels) Calculus
- Power Technology I-IV
- Psychology
- Public Speaking
- Technical Drafting I-IV
- Visual Communications I-IV
- World Languages

HUMAN SERVICES

Human services careers require skills and experiences related to meeting family and human needs. These occupations include positions of high responsibility in caring for the personal needs and welfare of others in social service and education.

STUDENTS MIGHT CONSIDER THIS CAREER PATH IF THEY:

- They are interested in caring for people
- Enjoy communicating with others
- Like serving other's needs
- Enjoy helping people reach their potential
- Like to work with people of all ages
- Are tolerant of differences among people
- Are patient

POSSIBLE CAREER OPPORTUNITIES INCLUDE:

College Professor, Principal, Teacher, Marriage and Family Therapist, Psychologist, Recreation Therapist, Athletic Trainer, Athletic Agent, Park Ranger, FBI Agent, Crime Lab Technician, Massage Therapist, Cosmetologist, Travel Agent, Armed Services, Post Service Worker, Fire Fighter, Personal Trainer, Health Services Manager, Music Therapist, Social Worker, Counselor, Funeral Director, Meeting and Convention Planner, Customs Inspector, Police Officer.

ELECTIVES TO CONSIDER:

- Advanced Sciences
- Advanced History
- Band
- Basic Foods
- Beaver County Career & Technical Center Programs
- Fine Arts I-III
- Chorus
- Computer Classes
- Criminal/Civil Law
- Culinary Arts
- English Grammar/Composition
- General Art
- Honors Art
- Journalism I-III
- Mathematics (Highest Levels) Calculus
- Multimedia
- Psychology
- Public Speaking
- Musical Theater
- World Languages
- Writing

SCIENCE AND HEALTH

Students with interest in the life, physical and behavioral sciences may find this area rewarding. It involves the planning, managing, and providing of therapeutic services, diagnostic services, health information and biochemistry research and development.

STUDENTS MIGHT CONSIDER THIS CAREER PATH IF THEY:

- Are interested in the health care environment
- Are interested in environmental issues
- Enjoy working in science and experimentation
- Like working outdoors
- Enjoy interacting with and assisting people
- Are conscientious and dependable

POSSIBLE CAREER OPPORTUNITIES INCLUDE:

Physician, Athletic Trainer, Biologist, Chemist, Farmer, Lab Technician, Medical Researcher, Nursing, Anesthesiology, Anesthetist, Occupational/Physical Therapist, Dietician, Animal Caretaker, Wildlife Reserve Worker, Zoo Caretaker, Optician, Healthcare Technicians, Dental Hygienist, Pharmacist, Pharmacy Assistant, Fish & Game Worker, Respiratory Therapist, Chiropractor, Agronomist, Geographer, Marine Biologist, Veterinarian, Geneticist, Statistician, Zoologist, Geologist, Ecologist, Pathologist, Meteorologist, Physicist Customs Inspector, Police Officer.

ELECTIVES TO CONSIDER:

- Advanced Biology
- Advanced Chemistry
- Advanced Physics
- Basic Foods
- Beaver County Career & Technical Center Programs
- Computers
- Culinary Arts
- English Grammar/Composition
- Health
- Mathematics (Highest Levels) Calculus
- Psychology
- Public Speaking
- Statistics (H)
- World Languages
- Writing

Courses designated: HN=Honors Courses, RQ=Required Courses, WT=Weighted Courses

ENGLISH DEPARTMENT

COLLEGE & CAREER READINESS ENGLISH 9, 10, 11 or 12

1 CREDIT EA.

RQ

These courses are designed for students to prepare for college or a career after graduation. They will provide the opportunity to improve basic language skills by emphasizing grammar, literature, communication skills, library skills, and vocabulary. Students will be exposed to technical writing & composition, research, World Literature, and critical thinking skills. These courses are designed to prepare students for the verbal section of the Scholastic Aptitude Test and for continuing education after high school.

HONORS ENGLISH

9-12 GRADE

1 CREDIT EA.

HN

Consent to enroll in Honors English 9,10,11,12 or AP English 12 is based upon:

English grades	Study/work habits
School attendance	Listening/speaking skills
In-class reading performance	Writing Skills
Outside reading	Test scores

The Honors English Courses encompass the concepts dealt with in English 9-12 at an accelerated pace. Additionally students will focus more intensely on college preparatory writing and research skill development, along with more extensive reading assignments.

PRE AP ENGLISH 10

10TH GRADE

1 CREDIT

HN

Prerequisite: Honors English 9 and teacher recommendation

This course is a rigorous academic curriculum designed to give students the tools they need to strengthen reading and writing skills in preparation for success in the AP and college level courses, as well as the PSAT and SAT. The class involves, but is not limited to, novels, nonfiction works, poetry, drama, essays, grammar, mechanics, academic vocabulary, technology based projects, and research.

AP ENGLISH LANGUAGE 11

11TH GRADE

1 CREDIT

HN, WT

Prerequisite: Pre-AP or Honors English 10 and teacher recommendation

The AP Language and Composition course is a college-level course in which students learn to read more deeply and carefully, analyze a broad and challenging range of nonfiction prose with a limited selection of accompanying fictional classics, deepen their awareness of rhetoric and they way in which language works. Through frequent reading and writing and discussion, students develop the ability to work with both language and text while strengthening their own writing skills. Students will be required to read independently, to follow a strict reading schedule, to write, and to revise and to balance these requirements with engaging group and peer discussions and conferences. Authors and selections represent a broad variety of time periods, backgrounds, and cultures.

AP ENGLISH LITERATURE 12

12TH GRADE

1 CREDIT

HN, WT

Prerequisite: AP or Honors English 11 and teacher recommendation

AP English Literature and Composition is an introductory college-level literary analysis course designed with an increased pace and the academic rigor that is required of college level courses. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, diction, perspective, figurative language, and literary analysis. This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis to deepen their understanding of the ways that writers use language to provide meaning. Students consider works' structures, styles, and themes, as well as their use of figurative language, imagery and symbolism. Students will be expected to read challenging texts independently and constantly, as well as write often to analyze and interpret literary works. There will be nightly homework in this course. This course prepares students to take the AP English and Composition Exam.

COMMUNICATIONS

11-12TH GRADE

1/2 CREDIT

RQ

A half-credit, one-semester course required for graduation. The student will have opportunities for a variety of interactive, interpersonal, small-group and whole-group communications problems and situations.

PUBLIC SPEAKING**9-12TH GRADE****1/2 CREDIT**

Students will enjoy a variety of speaking projects and experiences that will strengthen public speaking and language skills as well as establish the value of speech in personal fulfillment, group relationships, and the appreciation of ethnic and cultural differences.

HUMANITIES**9-12TH GRADE****1 CREDIT**

Humanities is a course that reflects the human being's search for the meaning to life. Students will experience numerous films, magazines of literature and writing, video tapes and other resources to discover and appreciate human values as they are expressed in mythology, literature, theater, writing, art and music.

JOURNALISM I, II, & III**9-12TH GRADE****1/2 CREDIT EA.**

Students will explain the role of Journalism in society, interpret the first Amendment, understand restrictions of the press, identify laws, ethics, and policy as it pertains to writing.

WRITING**9-12TH GRADE****1/2 CREDIT**

Students will pre-write, draft, and revise writing projects designed to develop skills in utilitarian and creative writing. In order to keep pace with the class, students should possess basic computer skills.

SOCIAL STUDIES DEPARTMENT**U.S. HISTORY****9TH GRADE****1 CREDIT****RQ**

U.S. History includes our story from Reconstruction to our present leadership of the free world. The diversity of the American people and our economy is emphasized.

CIVICS & GEOGRAPHY**10TH GRADE****1 CREDIT****RQ**

In this course students will study the theoretical aspects of citizenship, its rights and duties, and the duties of citizens to each other as members of a political body and to the government. The geography of America and the world is also studied. Some emphasis will be placed on the government and geography of Pennsylvania.

WORLD CULTURES**11TH GRADE****1 CREDIT****RQ**

World Cultures is a course that seeks to provide context for understanding our world. Topics to be explored will include Ancient and Classical civilizations, the development of the Middle East, the Medieval and Renaissance Eras, the Ages of Exploration and Revolution, and the modern world. This course will take an interdisciplinary approach to understanding by exploring geography, patterns of global change, human interaction, economics, history, humanities, beliefs, and various other aspects of human culture. The goal is to become, as Socrates once mused, "...a citizen of the world."

AP WORLD CULTURES**11TH GRADE****1 CREDIT****HN, WT**

Students will study the cultural, economic, religious, political, and social developments that have shaped the world. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. The course will shape and develop your ability to analyze change over time and draw connections across the human experience.

Prerequisite: A 3.6 - 4.0 in prior history classes and teacher recommendation

ECONOMICS/GOVERNMENT**12TH GRADE****1 CREDIT****RQ**

This is an economic survey of our economy and current economic issues with emphasis placed on their relevance to the American consumer. Government is a study of our government relationships to society.

AP US GOVERNMENT & POLITICS**12TH GRADE****1 CREDIT****HN, WT**

AP US Government and Politics is a rigorous full-year course intended for students with a strong interest in learning about the foundations, structures and processes of the United States government and the political system that selects leaders for that government. Emphasis will be placed on developing an understanding of the relationship between the political process and governance, especially with respect to developing public policy. The course will involve a substantial amount of reading, including selections from the text, scholarly articles and news articles. The class will operate on the level of a college American Government course; as such the primary purpose of the course is to prepare students for the Advance Placement exam.

Prerequisite: A 3.6 - 4.0 in prior history classes and teacher recommendation

AP US HISTORY**11TH - 12TH GRADE****1 CREDIT****HN, WT**

AP US History is a rigorous full-year course established for students with a strong interest in learning about the American story from the Pre-Columbian period to the present. The class is taught in accordance with the *AP U.S. History Curriculum Framework*, and is designed to prepare students for the AP U.S. History Exam in May. The course will place an emphasis on historical analysis and will require the student to become a historian. The course will involve a substantial amount of reading, including sections from the textbook, scholarly articles, and first-hand accounts. The class will operate on the level of a college American History course.

Prerequisite: A 3.6 - 4.0 in prior history classes and teacher recommendation.

AP ECONOMICS**11TH - 12TH GRADE****1 CREDIT****HN, WT**

The Advanced Placement Economics course is divided into two parts: Microeconomics and Macroeconomics. The microeconomics course emphasizes the decisions made by individual producers and consumers within a product market as well as the effect of government interventions on the working of the market. Macroeconomics examines how those markets interact within a large scale economic system. This also includes discussion of economic performance measures, price determination, stabilization policies and the role of the financial sector. Taken together, the course prepares students to take the Advanced Placement Microeconomics and Macroeconomics exams in the spring. These tests are scored separately and give the students the opportunity to receive college credit for two courses.

Prerequisite: A 3.6 - 4.0 in prior history classes and teacher recommendation

AFRO-AMERICAN HISTORY I**9-12TH GRADE****1 CREDIT**

This course is a study that begins with Ancient Africa and concludes with the Reconstruction period following the Civil War. The course will look at the Civil Rights Movement and the civilization and culture of Africa. It will also look at the institution of slavery and the role that both enslaved and free Americans played in the development of the United States.

AFRO-AMERICAN HISTORY II**10-12TH GRADE****1 CREDIT**

Afro-History I is required.

This is an advanced study of the Afro-American heritage.

PSYCHOLOGY**11-12TH GRADE****1 CREDIT****HN**

This course provides a solid foundation in the basic theories and principles of psychology. The content emphasis is on self-development and growth, personality theory and adjustment, and societal interaction. Students will learn about adolescence, personality theory, mental illness, intelligence, group behavior, and parapsychology.

AP PSYCHOLOGY**11- 12TH GRADE****1 CREDIT****HN, WT**

AP Psychology will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. This is a college level course and students will be expected to use effective reading, writing, and study skills.

Prerequisite: A 3.6 - 4.0 in prior history classes and teacher recommendation

CRIMINAL LAW**11-12TH GRADE****1/2 CREDIT**

Criminal Law is an overview of the Criminal Justice System; including an analysis of the classification of crime, laws of arrest, and juvenile crime, units dealing with the "Motor Vehicle of Pa", and the "Controlled Substance Act" of the Commonwealth is also included.

CIVIL LAW**11-12TH GRADE****1/2 CREDIT**

This course is an introduction to the civil system of law used in the United States. It will also provide information pertaining to various areas that fall under this system. Students will analyze the reasons why the United States has become a lawsuit-saturated society. Lastly, this course will compare and contrast American criminal and civil law systems and how both often overlap and conflict.

ETHNIC RELATIONS**11-12TH GRADE****1 CREDIT****HN**

This course of study will focus on the historical relationships between various ethnic groups that resulted in instances of racial/ethnic strife or acts of genocide, concentrating on lessons involving the Holocaust, Native Americans, African Slave Trade, etc. Instruction will involve various book excerpts, magazine and newspaper articles, videos, field trips, creative writing and artwork.

MATHEMATICS DEPARTMENT

FOUNDATIONS OF ALGEBRA

9TH GRADE

1 CREDIT

Foundations of Algebra focuses on fundamental mathematical concepts to prepare students to be successful in Algebra I. Topics include: the real number system, expressions, equations and inequalities, probability and statistics, and geometric properties.

ALGEBRA I or ALGEBRA I-9th

9-10TH GRADE

1 CREDIT

RQ

This full year course provides a solid foundation in the fundamentals of algebra. Algebra I includes basic concepts, definitions, procedures of variables and signed numbers, expressions, equations, inequalities, linear functions, polynomials, rational functions, and radicals.

GEOMETRY

9-11TH GRADE

1 CREDIT

This course develops a logical sequence of deductive and inductive reasoning by understanding undefined terms, definitions, assumptions, corollaries, and practical applications. Emphasis is placed on the reasoning skills gained by completing various forms of proofs.

CP GEOMETRY

9-10TH GRADE

1 CREDIT

CP Geometry is designed to challenge students and requires them to think analytically and use problem solving skills and apply them to the following topics: logical reasoning, proofs, parallel and perpendicular lines, triangle relationships, congruent and similar figures, polygons and circles, the Pythagorean Theorem, surface area and volume, and transformations in the coordinate plane. Application and real-world problems will be emphasized.

This course is intended for advanced math students with teacher recommendation.

ALGEBRA II

9-12TH GRADE

1 CREDIT

Algebra I is required.

Algebra II applies material covered in Algebra I to equations, graphs, functions, ratios, proportions, variations, exponents, radicals, imaginaries, quadratics, matrices, and logarithms. Topics such as probability, data analysis, statistics, and basic trigonometry will also be covered.

CP ALGEBRA II

10TH GRADE

1 CREDIT

Students must have passed Algebra I and Geometry with a B or higher and be recommended by the teacher, as well as passed the Keystone exam or equivalent.

This pacing of this course is accelerated compared to a standard Algebra II course. This course offers the study of functions and problem solving techniques from both a graphical and an algebraic approach. Topics covered include quadratic, polynomial, rational, and radical functions as well as complex numbers and exponential functions. The students will be expected to have excellent work and study habits.

ALGEBRA III

10-12TH GRADE

1 CREDIT

HN

Algebra II is required to take this course.

Algebra III continues on with the topics in Algebra II including relations, equations, functions, identities and graphing. This course gives a student a broader foundation to advance into Pre-Calculus.

BUSINESS MATHEMATICS

12TH GRADE

1 CREDIT

Students will use their math skills to solve a variety of business and personal math applications. Topics to be included in this course are purchasing, sales, marketing, accounting, borrowing, charge accounts, and cash purchases.

COLLEGE ALGEBRA

12TH GRADE

1 CREDIT

HN

This course is a basic college level math course dealing with Algebra skills similar to those found in Algebra III. Some of the topics stressed include: properties of the real number system, linear functions and equations, exponents, radicals, functions, systems of equations, complex numbers, and quadratic equations.

BASIC STATISTICS

11-12TH GRADE

1 CREDIT

This course is designed to work with problems in everyday life. Students will study how to read and make graphs, how to figure out grade averages, and averages in sports.

STATISTICS

11-12TH GRADE

1 CREDIT

HN

Statistics is a mathematical science pertaining to the collection, analysis, interpretation or explanation, and presentation of data. It also provides tools for prediction and forecasting based on data.

PRE-CALCULUS**11-12TH GRADE****1 CREDIT****HN**

The first half of the course covers topics such as graphing and solving polynomials, radicals, inverses, partial fractions, and locating critical points using a variety of methods. The second half of the course is concentrated on the graphs and inverses of trigonometric functions, identities, and vector and parametric equations.

AP CALCULUS**12TH GRADE****1 CREDIT****HN, WT****CHS CALCULUS (Robert Morris University)**

Students must have passed Pre-Calculus with a B or better and be recommended by the teacher.

This course has an option to earn 4 credits at Robert Morris University. Registration and course fee required.

This course is rigorous and challenging for the capable mathematics student pursuing a field of study in college that is math or science related. The course is organized around the foundational concepts of Calculus: Limits, derivatives, integrals, and the Fundamental Theorem of Calculus using a graphical, numeric, and algebraic approach. The students will be expected to think analytically and have excellent work and study habits.

*College credit is earned by meeting the AP exam score and/or the University requirements. Students seeking college credit can choose between AP and CHS.

SCIENCE DEPARTMENT**INTRO TO BIOLOGY****9TH GRADE****1 CREDIT**

This is an introductory life science course without a lab. The main focus of this course will be introducing key concepts which will be examined in greater depth in Lab Biology. These concepts include: basic biochemistry, cell structures, cellular energy, cell reproduction, evolution and genetics. Upon successful completion of this course, students will go on to Lab Biology.

LAB BIOLOGY or LAB BIOLOGY-9th**9 -10TH GRADE 1 CREDIT**

This course is designed to introduce students to basic biological principles, the chemical basis for life, cell energy, cell reproduction, genetics, evolution and ecology. Through the process of demonstrations, class discussions, cooperative and individual investigations and assignments. The unity, continuity and interaction of living systems will be emphasized. This course is designed for both college and non-college bound students.

ADV LAB BIOLOGY**9TH GRADE****1 CREDIT**

Teacher recommendation is required from the 8th grade science teacher.

This course is designed for the superior science student that has demonstrated academic success. The pace of learning is accelerated, the level of expectation is high and students should be adept in working independently and in a cooperative environment. Topics covered in depth include basic biological principles, the chemical basis for life, bioenergetics, cell reproduction, genetics, evolution and ecology.

LAB CHEMISTRY**10-11TH GRADE****1 CREDIT**

This course is designed to be an introduction to chemistry concepts. These concepts will be taught through mathematical calculations, models, research and laboratory experiments. An emphasis will be placed on analyzing the world through a chemistry lens. Topics covered include: the metric system, matter and change, nuclear chemistry, the periodic table, ionic and covalent bonding, chemical reactions, stoichiometry and properties of solutions.

LAB CHEMISTRY (H)**10TH GRADE****1 CREDIT****HN**

Teacher recommendation is required.

This accelerated course is designed as an honors course that goes into more depth discussing chemistry concepts. These concepts will be taught through mathematical calculations, models, research and advanced laboratory experiments. An emphasis will be placed on analyzing the world through a chemistry lens. Topics covered include: the metric system, matter and change, nuclear chemistry, the periodic table, ionic and covalent bonding, chemical reactions, stoichiometry and properties of solutions. A final project will be required.

PHYSICS**11-12TH GRADE****1 CREDIT**

This course studies the basic principles of Physics with a focus on mechanics. The course will cover topics in mechanics, waves, thermodynamics, and electricity. It is the third course in the series following Lab Biology and Lab Chemistry.

LAB PHYSICS	11TH GRADE	1 CREDIT	HN
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Honors Lab Chemistry, Pre-Calculus, and teacher recommendation are required.

This is an honors course designed for the above average student seeking or requiring an academic challenge. This course will focus on force, energy, and motion. Students will deal with the theory of physics with emphasis on the mathematical description of the concepts, theories, and principles. The course will provide students with methods of problem solving and prepare them for college courses in the physical sciences and engineering. An extensive amount of material will be covered, and the student is expected to accept responsibility for individual effort and study.

GENERAL SCIENCE	11TH GRADE	1 CREDIT	
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The course covers such areas as matter, atomic structure, energy, chemical and physical changes, heat and temperature, including a detailed involvement in studying local weather, force and motion, waves and sound, light, electricity, and magnetism.

BIO-CHEMISTRY	11-12TH GRADE	1 CREDIT	HN
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Student must have taken Lab Chemistry (H), Physics and Algebra II. Teacher recommendation is required.

This course offers an eight to twelve week session of organic chemistry as a prerequisite to the material covered in the biochemistry portion of the course. The study of biochemistry provides students with a strong understanding of chemical reactions and processes which occur in living things. This course will count as a science elective.

ADVANCED CHEMISTRY	11-12 TH GRADE	1 CREDIT	HN
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Student must have a 3.0 in Lab Chemistry(H). Physics and teacher recommendation are required.

This course is a rigorous course of study in chemistry comparable to a first year introductory chemistry course at the college level. There is a heavy emphasis on the problem-solving aspects of atomic and molecular structure, thermodynamics, redox-reactions, kinetics and electro-chemistry. This course will count as a science elective.

ANATOMY	11-12TH GRADE	1 CREDIT	HN
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Student must have a 3.0 in Lab Biology or Adv. Lab Biology and Lab Chemistry.

Physics and teacher recommendation are required.

This advanced course is designed as an intro to anatomy & physiology to prepare students for post secondary school. This course will include labeling anatomical diagrams, medical terminology analysis, lab demonstrations, organ dissections and lecture. Students will be expected to take notes, study independently and be an active participant in class activities and discussions. Topics covered will include: medical terminology, biochemistry, tissues, blood and the major organ systems. This course will count as a science elective.

ENVIRONMENTAL SCIENCE	12TH GRADE	1 CREDIT	
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Students must have completed three science courses.

This course will be geared towards the senior who have met all three science requirements but want to take a science elective. The course will cover topics such as earth science, ecology, biomes, energy, human health with class discussions, projects, individual and group assignments.

AP BIOLOGY	11-12TH GRADE	1.5 CREDITS	HN, WT
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Student must have a 3.0 in Lab Biology or Adv. Lab Biology and Lab Chemistry.

Lab Physics and teacher recommendation are required.

AP Biology is an advanced course equivalent to a college-level Biology I course that is designed to prepare students for post-secondary school. Evaluations will include inquiry-based lab work, a final portfolio and various exams. Students will gain a deeper understanding of biological concepts and experience in the scientific process. At the end of the year the student will have the option to take the AP Biology exam in order to receive college credit for the course.

AP PHYSICS	12TH GRADE	1 CREDIT	HN, WT
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Lab Physics, Calculus, and teacher recommendation are required.

This advanced placement course is a rigorous course of study comparable to a first year college physics course for engineers covering mechanics and includes lab experience. At the end of the year the student will have the option to take the AP Physics exam in order to receive college credit for the course.

FOREIGN LANGUAGE DEPARTMENT

The Spanish courses must be taken in sequential order beginning with an introduction to proper pronunciation and basic grammar in level I. As students progress through the advanced levels they will expand their thematic vocabulary which will enable students to engage in extended communication in both oral and written mediums. Cultural aspects will also be presented.

SPANISH I	9-12TH GRADE	1 CREDIT
SPANISH II	9-12TH GRADE	1 CREDIT
SPANISH III	11-12TH GRADE	1 CREDIT
SPANISH IV	12TH GRADE	1 CREDIT

BUSINESS DEPARTMENT/COMPUTER TECHNOLOGY

COMPUTER SCIENCE **9-12TH GRADE** **1/2 CREDIT**

This course is an introduction course to computer science and various computer science skills such as problem solving, decision making, and critical thinking. It includes the use of basic programming languages for website design, problem solving skills for game design, and critical thinking and creativity for app design.

COMPUTER APPLICATIONS **9-12TH GRADE** **1/2 CREDIT**

This course will allow students to sharpen their Google App Skills. Students will learn to create professional business documents using the design features of Google Docs. They will also learn to build spreadsheets in Google Sheets using advanced Formulas and Functions. Finally, they will learn to create a creative Slideshow Presentation using Google Slides.

EXPLORATORY BUSINESS	9-10TH GRADE	1/2 CREDIT
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(Career Exploration & Development)

Students will explore their own interests, skills and abilities to investigate careers most suited to them. Various sources will be used to explore careers including Internet, printed publications and personal discussion.

DIGITAL CITIZENSHIP **9-10TH GRADE** **1/2 CREDIT**

This course is to serve as an exploration of digital media and student interaction within the digital world. Students would analyze and evaluate interactions online as well as the use of media, advertising, and data-collection in targeted persuasion for the purpose of learning to navigate digital media and use it as a tool for success.

SPORTS & ENTERTNMT. MANGT. I & II 9-12TH GRADE 1/2 CREDIT EA.

This course is designed for students interested in sports, entertainment, and event management. The following topics will be covered: licensing and naming rights, business foundations, concessions and on-site merchandising, promotions, safety and security, and human relations. Field trips, speakers and teamwork will be included. Various sources will be used to explore sports and entertainment management.

FASHION MERCHANDISING I & II	9-12TH GRADE	1/2 CREDIT EA.
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This course is designed for students interested in the fashion industry and the merchandising of fashion. Topics include an overview of the fashion industry, evolution and movement of fashion, career development, merchandising, risk management, promotion, and fashion show production.

TRAVEL & TOURISM I & II	9-12TH GRADE	1/2 CREDIT EA.
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This course is designed to provide a foundation for students interested in a career in travel, tourism, and recreation marketing. Emphasis is placed on the hospitality/tourism industry, customer relations, travel destinations, tourism promotion, economics, and career development.

MULTIMEDIA	10-12TH GRADE	1/2 CREDIT
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Students will use a variety of software programs to create multimedia presentations combining text, graphics, sound and animation. Simulations, projects and teamwork are a part of this class. Students will be expected to give presentations.

PROGRAMMING I**10-12TH GRADE****1/2 CREDIT**

This course will teach students how to write and execute programs on their own using both Java & Python programming languages. Basic graphic and game programming will be introduced.

PROGRAMMING II**10-12TH GRADE****1/2 CREDIT****HN**

Programming I is required.

This honors course will incorporate the knowledge students gained in Programming I and add more programming concepts to create more advanced computer programs using the Java & Python programming languages. This course will focus mostly on graphic and animation design used in gaming applications. Students will also learn coding through programmable drones.

ADVANCED COMPUTER SCIENCE**10-12TH GRADE****1/2 CREDIT****HN**

Computer Science is required or teacher recommendation.

Advance Computer Science allows students to apply skills learned in both Computer Science and Programming classes to create advanced Computer Science Projects. Students will create interactive games and functioning apps on the code.org website. There will also be a major focus on Robotics where students will build and program real robots in class.

ENTREPRENEURSHIP**11-12TH GRADE****1/2 CREDIT**

This course introduces students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business. Work-based learning strategies include simulations, projects, and teamwork.

FINANCIAL LITERACY**11-12TH GRADE****1/2 CREDIT****RQ**

The one-semester Financial Literacy course provides students with essential knowledge and skills to manage their personal finances effectively. This practical and engaging course covers topics related to income, banking, credit, insurance, and budgeting. Students will learn how to make informed decisions about spending, managing money, and building wealth, with a focus on real-world applications. By the end of the course, students will be equipped with the tools and knowledge to navigate financial challenges and set a strong foundation for their future financial well-being.

ACCOUNTING I**10-12TH GRADE****1 CREDIT**

Accounting is a year-long course designed to introduce accounting principles in single owner businesses, partnerships and corporations. A hands-on accounting unit and use of spreadsheets will be introduced. The class will involve working in cooperative learning groups to solve accounting problems.

ACCOUNTING II**11-12TH GRADE****1 CREDIT****HN**

Accounting I is required.

Accounting II is an honors course in which accounting principles for partnerships and corporations will be reviewed and expanded. A hands-on accounting unit and use of spreadsheets will be used. This class will include working in cooperative learning groups to solve accounting problems. This course will count as a Math credit for graduation.

INDUSTRIAL ART/TECHNOLOGY EDUCATION

In this course students will learn how to safely use tools and machines to work with a variety of materials and processes, including but not limited to woodworking, welding, sheet metal fabrication, plastics forming and laser engraving / cutting to produce a variety of projects. Students can progress to the upper levels to learn forging and turning if desired and apply their skills to produce their own projects.

INDUSTRIAL MATERIALS I**9-12TH GRADE****1 CREDIT****INDUSTRIAL MATERIALS II****10-12TH GRADE****1 CREDIT****INDUSTRIAL MATERIALS III****11-12TH GRADE****1 CREDIT****INDUSTRIAL MATERIALS IV****12TH GRADE****1 CREDIT**

Digital Media focuses on digital design, graphics editing programs, animation, photography, audio and video productions. The course prepares students to understand and apply concepts and processes relating to each unit within the world of digital media. Upper-level courses are designed as an extension to foster the students' mastery of skills such as creative expression, leadership, production and management, and personal strengths that are required to succeed and advance in related fields and opportunities.

DIGITAL MEDIA I	9-12TH GRADE	1 CREDIT
DIGITAL MEDIA II	10-12TH GRADE	1 CREDIT
DIGITAL MEDIA III	11-12TH GRADE	1 CREDIT
DIGITAL MEDIA IV	12TH GRADE	1 CREDIT

BROADCAST JOURNALISM	10-12TH GRADE	1 CREDIT
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Digital Media I is required.

In this course, students will utilize the recording studio to produce and refine their work with state of the art technology. Students will use digital media and technology to record, edit, transfer and broadcast their own video projects as well as the school's morning announcements. Students will enhance and hone specific skills such as critical thinking, researching, creative writing, public speaking, collaboration, and communication.

In this course students will learn how to apply design principles with sketching and software to create both mechanical and architectural designs. The student designs are brought to life using 3-D printing and laser cutting to produce various student designed projects. Students can progress to the upper levels to develop and create more advanced projects.

TECHNICAL DRAFTING I	9-12TH GRADE	1 CREDIT
TECHNICAL DRAFTING II	10-12TH GRADE	1 CREDIT
TECHNICAL DRAFTING III	11-12TH GRADE	1 CREDIT
TECHNICAL DRAFTING IV	12TH GRADE	1 CREDIT

Visual Communications focuses on digital design application, design principles, color theory, marketing and advertising, printing techniques and STEAM concepts. The course prepares students to understand and apply concepts and processes relating to each unit within the world of visual communications. Upper-level courses are designed as an extension to foster the students' mastery of skills such as creative expression, leadership, teamwork, and personal strengths that are required to succeed and advance in related fields and opportunities.

VISUAL COMMUNICATIONS I	9-12TH GRADE	1 CREDIT
VISUAL COMMUNICATIONS II	10-12TH GRADE	1 CREDIT
VISUAL COMMUNICATIONS III	11-12TH GRADE	1 CREDIT
VISUAL COMMUNICATIONS IV	12TH GRADE	1 CREDIT

In this course students will safely experiment with electrical and pneumatic power. Students will learn how to safely install residential wiring devices, create small electrical generators / motors, and build a small solar module. Students will also use pneumatic power to design, create and test rockets and land vehicles. In the upper level class students will learn how to safely install residential electric circuits. The students will also design, build and test rockets, land vehicles and spring powered devices. The course also covers unmanned radio guided vehicles.

POWER TECH I	9-12TH GRADE	1 CREDIT
POWER TECH II	10-12TH GRADE	1 CREDIT
POWER TECH III	11-12TH GRADE	1 CREDIT
POWER TECH IV	12TH GRADE	1 CREDIT

ENGINEERING ESSENTIALS AND DESIGN	9-12TH GRADE	1 CREDIT
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Completion of Algebra I is required.

Students will explore the different fields of engineering using modern tools, 3D solid modeling software, and prototyping equipment. All students will apply the engineering design process, math, science and engineering standards to hands on projects. Students will work both individually and with partner groups to solve real world problems. Ethical issues related to professional practice and product development are also presented. Students will develop solutions to community and global challenges that the next generation of engineers will face.

FINE AND PRACTICAL ARTS

BASIC FOODS	9-11TH GRADE	1 CREDIT
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Hands on activities in the food labs build skills and judgment needed to select and prepare food and develop ideal nutritional habits through a wellness approach. Careers in the Food Service Industry are explored.

CULINARY ARTS	10 -12TH GRADE	1 CREDIT
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Basic Foods is required to take this course.

Provides students with a culinary foundation and practical skills necessary to succeed in the food service industry.

YEARBOOK I & II**11-12TH GRADE****1 CREDIT EA.**

Teacher application process and approval is required.

Creative photographic skills are developed as well as layout design of school events. This course is hands-on and students must be able to efficiently work on computers.

GENERAL ART**9-12TH GRADE****1 CREDIT**

This course is designed to provide an overview of the Elements and Principles of Art. Included in this course are drawing and painting techniques, crafts, 2-D design and art-related technology skills.

FINE ARTS I**10-12TH GRADE****1 CREDIT**

This course is designed to provide advanced learning and application of drawing, painting and art related technology skills. Students are required to keep a sketchbook to help with development of drawing and perceptual skills. Students will learn 3-dimensional design, clay techniques and glazing. Students gain experience in hand-building and the pottery wheel.

Prerequisite: General Art

FINE ARTS II**11-12TH GRADE****1 CREDIT**

Students will progress through art levels with an emphasis on studio production and art -related technology skills. This course is designed to develop a higher-level thinking, in 2-D, 3-D design, art criticism, art history and aesthetics. Students are required to keep a sketchbook and will learn how to plan, develop, and present their own art work. Students will be permitted to select areas of specialization. **Prerequisite: Fine Arts I**

FINE ARTS III**11-12TH GRADE****1 CREDIT**

Students will progress through art levels with an emphasis on studio production and art -related technology skills. This course is designed to develop a higher-level thinking, in 2-D, 3-D design, art criticism, art history and aesthetics. Students are required to keep a sketchbook and will learn how to plan, develop, and present their own art work. Students will be permitted to select areas of specialization.

Prerequisite: Fine Arts I & II

HONORS ART**12TH GRADE****1 CREDIT****HN**

This is an individualized and specialized program. Each student will work closely with the instructor to design projects that includes research. High Expectations are placed on projects that are challenging and that demonstrate higher-level thinking. Evaluation is based on achievement of the goals and a portfolio presentation.

Teacher recommendation is required.

MUSICAL THEATER**9-12TH GRADE****1 CREDIT**

Students will learn performance techniques involved in musical theater, including but not limited to singing, dancing, acting and improvisation. They will study different musicals from different historical periods. Students will be expected to participate in in-class performances.

MUSICAL THEATER II**10-12TH GRADE****1 CREDIT**

Students will build on skills developed in Musical Theater I. In addition to performance techniques, students will learn aspects of technical theater included but not limited to set, costume, make-up, lighting and sound design. Students will be expected to participate in in-class performances. Musical Theater I is a mandatory prerequisite.

MIXED CHORUS**9-12 GRADE****1 CREDIT**

This course is open to any student who has an interest in vocal music.

MADRIGALS**10-12 GRADE****1 CREDIT****HN**

Mixed Chorus or Prior Vocal Experience required.

This is for the student who has a serious interest in choral music and who possesses an extensive background in choral music.

MUSICIANSHIP I**10-12 GRADE****1 CREDIT**

Teacher recommendation is required, must also be enrolled in Band or Chorus

Musicianship I is a course designed for students who would like to study intermediate topics in music. The primary focus will be music theory to prepare students for taking Advanced Placement Music Theory the following year. The course will also cover elements of music literature and music history.

MUSIC LAB I**11-12 GRADE****1 CREDIT****Teacher recommendation is required.**

Music Lab 1 is designed for students who seek to pursue new or advanced topics in music. Students will develop an independent project in music to study over the course of the semester/year. Projects may include, but are not limited to, music composition, learning a new instrument, developing solo work for college auditions, etc. Students will be self-guided and will constantly analyze and reflect on their growth throughout the semester/year and must be highly motivated to work independently

Prerequisite: Musicianship 1**AP MUSIC THEORY****11-12 GRADE****1 CREDIT****HN, WT****Prerequisite: Musicianship 1****Teacher recommendation is required and enrollment in Band or Chorus**

This rigorous course expands on the skills learned in Musicianship I. This course is designed to develop musical skills that will lead to a thorough understanding of music composition and music theory. Students are prepared to take the AP Music Theory Exam when they have completed the course. Students planning to major in music in college may be able to enroll in an advanced music theory course, depending on individual colleges' AP policies.

MARCHING/CONCERT BAND**9-12 GRADE****1 CREDIT****Approval by teacher required.**

Band is open to any student who demonstrates the necessary instrumental techniques to play the compositions performed.

CONCERT BAND**9-12 GRADE****1/2 CREDIT****Approval by teacher required.**

This course is open to students during the second half of the year who are not part of the marching band.

BEGINNING JAZZ**9TH GRADE****1 CREDIT****Approval by teacher required.**

Beginning Jazz techniques are taught and performed.

JAZZ ENSEMBLE**10-12 GRADE****1 CREDIT****HN****Approval by teacher required.**

The Pop-jazz idiom is explored from the Big Band Era to the present with an emphasis on performance. A demanding quality of work is required.

PHYSICAL EDUCATION/HEALTH DEPARTMENT**HEALTH****9-10TH GRADE****1/2 CREDIT****RQ**

This semester course will allow students to meet the PA Academic Standards for Health & Safety by engaging in lessons focused on the following categories: concepts of health, healthful living, safety, injury prevention, and physical activity. Students will be learning about physical fitness, how the body works, and establishing an understanding of the dimensions of wellness, disease, drugs /medicines. Other units of instruction are adolescence, first aid & safety (hands on only CPR), hygiene, concussions, relationships, coping with loss, stress management, goal setting, decision-making skills, and lifelong nutrition.

PHYSICAL EDUCATION**9-12TH GRADE****1/2 CREDIT****RQ**

The semester course includes an Introduction to lifetime sports and fitness activities such as basketball, volleyball, bocce, baseball/softball, golf, tennis, fitness walking, yoga, and Tai Chi. Strength Training, mobility, and skill development are also emphasized. Students have opportunities to learn about Team sports and Individual sports as well.

DRIVERS EDUCATION**9-12TH GRADE****0 CREDIT**

Legal requirements, physical fitness, safety equipment, driving strategies, defensive driving and buying, maintaining and insuring an automobile are taught.



Big Beaver Falls Area School District

ACT 158 PATHWAYS TO GRADUATION

Act 158 of 2018 prescribed multiple pathways for students to meet Pennsylvania's assessment requirement for graduation. The PA Dept. of Education released the criteria for alternate assessments in Spring 2020. These requirements impact the class of 2023 and beyond.

ACT 158 REFERENCE <https://www.education.pa.gov/K-12/Assessment%20and%20Accountability/GraduationRequirements/Act158/Pages/default.aspx>

PATHWAY 1: KEYSTONE PROFICIENCY

Reach "Proficient" or "Advanced" on the following Keystone Exams: If a student does not score "proficient" or "advanced"

- ☒ Algebra 1
- ☒ Literature
- ☒ Biology

on all three Keystone Exams, they can still meet the state requirements for graduation by meeting the descriptors established in Pathways 2-5.

PATHWAY 2: KEYSTONE COMPOSITE

Students must earn "proficient" or "advanced" on at least one Keystone Exam, and earn at least a basic score on the other two Keystone exams, and have a composite score of at least 4452.

KEYSTONE EXAM SCALE SCORE RANGES				
CONTENT AREA	BELOW BASIC	BASIC	PROFICIENT	ADVANCED
Algebra 1	1200-1438	1439-1499	1500-1545	1546-1800
Biology	1200-1459	1460-1499	1500-1548	1549-1800
Literature	1200-1445	1444-1499	1500-1585	1584-1800

PATHWAY 3: CAREER & TECHNICAL EDUCATION

Students will meet local requirements for academic content covered by the Keystone Exams for all subjects where they did not earn proficiency on the Keystone Exam.

AND
Either attain an industry-based competency certification related to the career and technical education (CTE) concentrator's program of study.

OR
Demonstrate a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE concentrator's program of study.

PATHWAY 4: ALTERNATE ASSESSMENT

Students will meet local requirements for academic content covered by the Keystone Exams for all subjects where they did not earn proficiency on the Keystone Exam.

OR ONE OF THE FOLLOWING

Attain an established score on an approved alternate assessment for each subject where the student did not earn proficiency. Approved alternate assessments are:

- * Advanced Placement (AP) Exam 3 (see chart)
- * Preliminary Scholastic Assessment Test (PSAT) - 970
- * Scholastic Assessment Test (SAT) - 1010
- * American College Testing (ACT) - 21
- * ACT Workkeys: Gold Level
- * Armed Services Vocational Aptitude Battery (ASVAB) minimum score required to gain admittance to a branch of the armed services in the year the student graduates

Algebra Equivalent	
AP Calculus AB	AP Physics 1/Algebra-Based
AP Calculus BC	AP Physics 2/Algebra-Based
AP Computer Science A	AP Physics C/Electricity & Magnetism
AP Computer Science B	AP Physics C/Mechanics
AP Computer Science Principles	AP Physics C/Electricity & Magnetism
AP Statistics	AP Chemistry
Literature Equivalent	
AP English Language & Composition/AP English Literature & Composition	
Biology Equivalent	
AP Biology	AP Physics 1/Algebra-Based
AP Environmental Science	AP Physics 2/Algebra-Based
AP Chemistry	AP Physics C/Electricity & Magnetism
	AP Physics C/Mechanics

OR ONE OF THE FOLLOWING

1. Successfully complete a dual enrollment course in an academic content area associated with each Keystone Exam in which the student did not achieve at least proficiency:

- Credit-bearing, non-remedial approved concurrent course
- Aligned to respective Keystone Exams
- Passing grade on the approved concurrent course
- High School or college transcript as evidence

2. Successfully complete a pre-apprenticeship program:

- Specific career training designed to prepare a student for an occupation in an approved schedule of related instruction
- Program must be designed with the Director Apprenticeship and Training Office at the Pennsylvania Department of Labor and Industry
- Meets all pre-apprenticeship program requirements, per specific industry requirements

3. Acceptance into an accredited, non-profit, Institute of Higher Education (IHE) 4yr program for college-level coursework

- Acceptance letter from an accredited 4-year, nonprofit institution
- Placement test results showing the student may enroll in college-level coursework
- College registration from confirming enrollment
- Local profile of an acceptable high school GPA, attendance record, and SAT/ACT score

PATHWAY 5: EVIDENCE-BASED (THREE PIECES OF EVIDENCE)

Students will meet local requirements for academic content covered by the Keystone Exams for all subjects where they did not earn proficiency on the Keystone Exam.

AT LEAST ONE OF THE FOLLOWING

1. Attainment of an established score on an alternate assessment -SAT Subject Test - 360 -ACT WorkKeys: Silver Level -AP (3) or IB (3) related to student career choice	OR	2. Acceptance into an accredited, non-profit Institute of Higher Learning (IHE) for college-level coursework in an other-than-4yr program -Acceptance Letter -Placement Test Results -College Registration Form -Local profile of acceptable HS GPA, attendance record, CAT/ACT score	OR	3. Attainment of an industry-recognized credential -Documentation that verifies attainment as defined by the Office of Elementary and Secondary Education	OR	4. Successful completion of a dual enrollment or postsecondary course -Credit-bearing, non-remedial course -Approved concurrent course aligned to the respective Keystone exams -Passing grade on an approved concurrent course -High school or college transcript as evidence
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AND UP TO TWO OF THE FOLLOWING

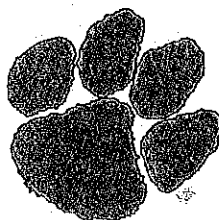
1. Service-learning project completion	AND / OR	2. "Proficient" or "Advanced" on a Keystone Exam	AND / OR	3. Letter guaranteeing full-time employment
-Must include project learning goal(s), project activities, and the project's contribution to the community -Supervised and assessed by an adult; successful completion is verified in writing by the adult supervisor -Sufficient duration and intensity to address identified community needs and meet specified project learning goal(s)		-Scaled score of 1500 or higher on one Keystone Exam		
AND / OR	4. Internship or cooperative education program	AND / OR	5. Compliance with the National College Athletic Association's (NCAA) core courses for college-bound student athletes	
	-Industry-based Learning Indicator Guidance: Work-based learning experiences		-Minimum GPA requirements (2.0) in approved NCAA core courses	

ADDITIONAL PATHWAYS

There are two other provisions available in addition to the five pathways described above.

ONE OF THE FOLLOWING

1. Graduation based on IEP team decisions with regard to academic goals.	OR	2. Superintendent's waiver for students with extenuating circumstances -The superintendent can grant a waiver to students at the recommendation of the high school principal and the office of education for a student who is unable to meet any of the pathways prior to graduation. For example, a student entering the district from another state during their senior year.
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Beaver Falls

High School

For additional information, contact the BFHS Guidance department at (724) 843-7470 or see your counselor.

SPECIAL INFORMATION FOR CAREER AND TECHNOLOGY STUDENTS

The Beaver County Career & Technical Center (CTC) is an off-campus addition offering training in occupational, vocational and technical programs. This training will develop skills and attitudes that may lead to employment or further education after high school.

1. This is a two-year training program during the student's junior and senior year. The students will spend half a day at the Beaver County CTC and the remainder of the day at Beaver Falls High School where they are enrolled in courses required for graduation.
2. The Beaver County CTC student will graduate at his/her home school with a regular Beaver Falls Diploma; additionally, the student will also receive a certificate from the Beaver County CTC, showing hours in training and the skills that have been developed.
3. There are 17 programs offered at the Beaver County CTC. Students of all ability levels are eligible to attend.
4. Applications are required and need to be return to the home school transition coordinator.
5. If a student is accepted to the Beaver County CTC and has to repeat a required course during their junior year, a schedule conflict may arise whereby the student would not be able to attend the Beaver County CTC. In such cases, students must attend summer school to make up any deficient courses prior to attending the Beaver County CTC.
6. Students may be eligible for post-secondary credits through state and private articulation agreements. More information can be accessed through the website at bcctc.org
7. The Cosmetology program is the only program at BCCTC that requires a student to begin as a 10th grader. This is necessary in order to ensure that students have sufficient time to accumulate the 1250 hours needed for certification as mandated by the Pennsylvania State Board of Cosmetology. **Students who begin the Cosmetology program as a sophomore must meet with their counselor to complete a graduation plan.**
8. All students attending the BCCTC are transported to and from Beaver Falls High School (via school bus).

BCCTC Course Summaries

Automotive Technology

Program provides a systems approach to all aspects of automobile and light truck maintenance and repair. Emphasis is on engine repair/performance, steering and suspension, and brake systems. Seniors may receive the PA Safety Inspection Certification.

Related Occupations

Service Station Manager	Automotive Salesman	
Automotive Technicians	Service Writer	Parts Counter Technician

Business Information Systems

Prepares students to operate/utilize computer software for solving business related problems. The computer lab has the most current software, PC hardware, notebook computers, PDA's, printer, scanners, and digital cameras.

Related Occupations

Spreadsheet Analyst	Desktop Publisher	Word Proc. Supervisor
Database Admin. Multimedia Designer	Website Designer	

Carpentry

Students will learn layout, fabrication, assembly, installation and repair to structures. Instruction in power tools and hand tools and equipment used in frame construction will be given.

Related Occupations

Carpenters	Job Supervisors	Cabinet Maker	Roofer
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Collision Repair Technology

Prepares students for entry level employment in the Auto Body field. Training involves safety, mig-welding, plasma cutting, using torches, body/ fender repair, hand/power tools/jacks.

Related Occupations

Collision Repair Technician	Adjuster Service Mgmt.
Sheet Metal Worker	Refinishing/Custom Refinishing

Commercial Art

Students are taught basic skills and development of vocabulary and techniques. This class is geared for advertising artists, computer graphics, air brush, illustration, lettering, drawing, fashion, painting, typography, and desktop publishing.

Related Occupations

Silkscreen Artist Designer	Multi-Media Animator	Cartoonist
Signage	Illustrators	

Cosmetology

This is a three-year program designed to train students in the beautification of hair, skin, and nails. Facials and massaging are also taught. All salon functions are taught in preparation for State Board Licensing upon graduation.

Related Occupations

Manicurist	Beauty School Instructor	Hair Stylist
State Board Inspector	Salon Owner	Vocational Instructor

Culinary Arts

Culinary Arts students learn to cook gourmet meals, wait on tables, and the proper storage of food. They also learn the proper cleaning techniques needed to maintain a safe and sanitary kitchen. The BCCTC has an operational restaurant where students can practice their food service skills.

Related Occupations

Waiter/Waitress	Food Sales	Chef/Cook
Kitchen Inspector	Baker	

Electrical Occupations

Students receive a broad background in residential, commercial, and industrial wiring. Instruction for proper use of specialty tools is provided.

Related Occupations

Linesman	Wiring specialist	Residential electrician
Commercial/Industrial electrician	Cable technicians	

Greenhouse/Landscaping

Students grow and sell a variety of plants, flowers, and vegetables in the greenhouse. They also landscape the CTC grounds using tractors and mowers while completing landscaping projects. The FFA Club is available for students to join/participate.

Related Occupations

Turf chemical application	Floral design	Greenhouse labor
Garden center sales	Equipment sales	Landscaping/landscape design

Health Occupations

Students completing the Nurse Aide Program are eligible to take the PA Nurse Aide Competency exam listed on the PA Nurse Aide Registry. Students receive 105 hours of clinical experience. They may also take the Home Care Certification Exam.

Related Occupations

Nurse Aide	Home Care Aide	Clinical Technologist LPN
Registered Nurse	Dental Assistant	

HVAC-R

A technician installs, services, and repairs equipment used to control circulation, moisture and purity of air. Some of the skills a student will be able to perform are sheet metal fabrication, electrical controls, circuitry, piping, soldering/brazing, gas heating systems, oil heating systems, air conditioning, heat pump technology, psychometrics and blueprint reading.

Related Occupations

Heating	Ventilation	Air Conditioning	Refrigeration Mechanic
Bldg. Maintenance	Appliance Technician	General Maintenance Contractor	

Logistics & Materials Management

Provides practical experience in receiving, shipping, handling, recording, and storing of supplies and materials for all departments of the technical school. Distribution, logistics and transportation are taught.

Related Occupations

Shipping/Receiving	Forklift Operator	Sales Representative	Warehouse Mgr.
Inventory Specialist	Marketing Manager		

Machine Tool Technology

This program includes machine tool programming/operation, trade theory, and blue print reading in a state-of-the-art machine shop. Higher achieving students have been awarded machinists apprenticeships.

Related Occupations

Assembler/Inspector	Millwright	Tool & Die Maker	Machinist
CNC operator	Machine Repair		

Masonry/Bricklaying

Masons are individuals who lay building materials to construct or repair walls, fireplaces, stone work, concrete, and block and brick structures. This program provides the student with skills and knowledge for entry-level employment.

Related Occupations

Bricklayer	Stonemason	Cement Finisher	Laborer
Construction Supervisor	Union Bricklayer		

Protective Services

A student in the Protective Services program will acquire skills from the public safety areas of firefighting, law enforcement, and emergency medical services. Students can expect to receive instruction; participate in practical applications and situational learning experiences; and prepare to test for national, state, and local certifications in all three areas of public safety. Through exploration and physical practice of skills presented within the curriculum, students will be able to refine personal career opportunities and choose an area of specialization in public safety.

Related Occupations

Firefighter	Police Officer	EMT Workers
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Veterinary Assistant

Upon completion of the program, graduates will be able to work in animal hospitals, animal clinics, kennels, doggie daycare facilities, grooming facilities, mobile vet services, animal shelters, and laboratories. Topics to be covered include basic first aid, medical terminology professional and ethical standards of Veterinary medicine, handling and restraint, animal anatomy, diseases and treatments, and various related studies.

Related Occupations

Animal Caretaker	Veterinary Hospital Technician	Veterinarian Technician
Veterinary Technologist	Animal Lab Technician	

Welding

Instructs students in all aspects of fusing metal together by the use of heat and fluxing materials. Instruction is given in the use/maintenance/repair of welding equipment. Blue-print reading is also taught throughout the two years.

Related Occupations

Nuclear	Welding Burner	Ship Builder
Fitter	Ironworker	Pipefitter

CCBC High School Academies

The Community College of Beaver County offers five dual enrollment programs for students in grades 11-12. Students enrolled in these program will spend part of their school day at CCBC's facilities completing their dual enrollment coursework.



Are you ready to start the exciting journey of becoming an aviation professional? Let your future take flight by joining the CCBC Aviation Academy. Aviation Academy programs include air traffic control, professional pilot, unmanned aerial vehicle and aerospace management. Courses are taught at CCBC's Aviation Sciences Center in Chippewa Township. All courses are taught by CCBC faculty members. Students will take two courses per semester.



The CCBC Health Academy is for high school students in grades 11 and 12 who are interested in careers in nursing, practical nursing, physical therapy, respiratory therapy, nurse practitioner, physician assistant, and radiologic technology. Courses are taught at CCBC's Monaca campus by CCBC faculty members.



Are you interested in a high paying STEM career? CCBC's STEM Academy offers three dynamic pathways in Engineering, Computer Science, and Cybersecurity. You'll gain hands-on experience in our classrooms and labs. As a CCBC STEM Academy student you will have the opportunity to earn up to 28 college credits while still taking your high school classes.



Do you have a passion for serving and protecting? Are you interested in a career in law enforcement, corrections, legal services, or crime prevention? Take custody of your future by joining the CCBC Criminal Justice Academy. Students who devote 2 years to this program have the opportunity to graduate from high school with 28 credits toward their associate degree.



Do you want to inspire learning? Do you desire to empower lives through a career in teaching? Enroll in the Education Academy to become a future educator. You'll gain hands-on experience in diverse educational settings and learn how to prepare developmentally appropriate lessons and learning environments.



CCBC's High School Business Academy is designed for high school students in grades 11 and 12 at participating school districts and provides the opportunity to begin a business pathway while earning college credit. Through a cohort-based experience, students complete foundational business coursework during their junior year and select from elective business courses during their senior year to further develop their knowledge and skills. Students who attend during their 11th and 12th grade years may graduate from high school with up to 25 college credits toward a business-related degree.

The cost for all Academies is the responsibility of the student and is based on current CCBC tuition and fee rates. Scholarships and financial aid is available.

Contact the guidance office for more details.