Program of Studies

2025-2026

Reynolds High School

Dear Parent/Guardian:

Certain minimum standards established by the Commonwealth of Pennsylvania and the Reynolds School Board are outlined in the attached program of studies. The Reynolds School Board has adopted minimum graduation requirements to conform to Commonwealth curriculum guidelines. Election beyond these minimums is at the discretion of the student acting in cooperation with you and school personnel.

The credits for graduation are accumulated by successful completion of required coursework as set by the Pennsylvania Department of Education and the Reynolds School Board. In addition, the policy has been established that all students will carry a minimum of 6.5 credits each year.

Course selection is an important decision that should be carefully planned, as it can impact a student's academic progress and future opportunities. Students may drop a class within the first five days of school (or the first five days of a semester course) and receive a 'W' for withdrawal. Dropping a class after this period will result in a failing grade for the course.

It should be understood by both parent and student that a schedule will be generated from these course selections and requests for schedule changes reflecting a change in academic or career goals may require a parent conference.

Our Advanced Placement (AP) courses in Calculus, Chemistry, English, Biology, and Physics provide students with rigorous, college-level learning opportunities. Students enrolled in AP courses are required to take the AP exam at the district's expense, with the potential to earn college credit.

Our high school counselors are available to assist students and families in planning their educational paths. We encourage parents to reach out to discuss their child's academic plans. To arrange a meeting with a counselor please call (724) 646-5700.

Scott L. Shearer
Junior-Senior High School Principal

Table of Contents

PROMOTION POLICY

Students in grades seven and eight will be promoted to the next grade if they pass all full-time subjects for the year. The full-time subjects are listed as follows: English, Reading, Mathematics, Social Studies and Science. A student who fails no more than two full-time subjects, however, may be assigned to the next higher grade if that student successfully repeats the failed course(s) in an approved summer program. A student who fails three or more full-time subjects will be retained in their current grade unless granted special approval by the administration to enroll in an approved summer program. This approval shall not be granted unless special conditions exist which have adversely affected the student's achievement.

A student who fails two or more subjects in the same grade for two consecutive years may be administratively assigned to the next higher grade at the discretion of the principal in consultation with other appropriate administrators.

To be assigned to a 9th grade homeroom, a student must have passed the following five classes:
English, Reading, Social Studies, Science and Mathematics.
To be assigned to a 10th grade homeroom, a student must have earned a total of 6.5 credits.
To be assigned to an 11th grade homeroom, a student must have earned a total of 13 credits.
To be assigned to a 12th grade homeroom, a student must have earned a total of 19.5 credits.

ACADEMIC ELIGIBILITY

The Reynolds School Board has adopted the following policy regarding academic eligibility for all co-curricular activities and interscholastic athletics:

1. In order to be eligible for all co-curricular activities and interscholastic athletics, students must be passing all courses required for graduation.
    a. To be eligible for athletics or co-curricular activities, seventh and eighth grade students must be passing the five core subjects of English, Reading, Social Studies, Science and Mathematics.
    b. Seniors on work release must be enrolled in and passing a minimum of 4 credits.
    c. The previous year's final grade is the controlling factor for all fall activities.
    d. Nine weeks grades will be the controlling factor for participation in all school activities and athletics during the remainder of the school year. In all cases, however, the mid-term progress report grade will be used to determine restoration of eligibility for a student who has previously been declared ineligible. (Note: it is possible to be promoted but not be eligible because of failing a core subject).

2. A student must be in attendance for a minimum of 80 days per semester. Extenuating circumstances and extended illness, however, may be reviewed by the appropriate principal and a decision made which will be fair to the student while protecting the integrity of board policy. Physicians' statements may be required to restore eligibility.

3. If students are not in school by 10:00 A.M., they shall not participate in their particular activity that day unless an exception, for appropriate reasons, is granted by the school principal. This means that any student in any activity may not participate in either practice or scheduled events or contests on the day in question.

4. If a student is ineligible at the beginning of a marking period, he/she may practice if they attend the school sponsored tutoring sessions. The student may not participate in a scrimmage, tournament, or event with the team or organization while ineligible. If a student remains ineligible at midterm and/or the completion of the marking period, he/she may not continue to practice.

Alternative Learning Opportunities

AP Courses – Depending on interest and enrollment, we are offering Advanced Placement Courses in English, Calculus, Biology, Chemistry and Physics. Calculus and English are 1.0 credit, Biology, Chemistry and Physics are 1.5 credits and all will be weighted at 1.1. The weighting of Advanced Placement courses will be reflected in each student's Adjusted Grade Point Average (AGPA). The AGPA will be the determining factor for class rank at the conclusion of the school year. The completion of the AP Exam is required to receive a credit. Passing the AP Exam will result in Advanced Placement credits by colleges that accept AP credits. (The fee for taking the Advanced Placement Exam will be covered by the school district.)

Dual Enrollment – Students can earn high school and college credit by enrolling in course work at an approved local college. This program is available to 10th, 11th & 12th grade students who have a cumulative grade point average of 3.0 or better and a sincere desire to take college-level, credit-bearing courses at a local community college or four-year colleges and universities. If the funding is available, partial cost of the courses may be paid for through a grant from the state.

Distance Learning – Innovative technology will bring diverse educational opportunities to the students and staff at Reynolds High School. Students may choose to enroll in courses for credit, participate in short term seminars for non-credit or benefit from video field trips. Students in grades 11 and 12 may choose to enroll in courses for credit or non-credit seminars. Students in the GATE Program should consult with their teacher about appropriate program offerings. Interested students should see their guidance counselor for information about enrolling in this program. Credit courses may cost as much as $500 which is the responsibility of the student.

Correspondence Courses – Students in grades 7 through 12 may enroll in correspondence courses for make-up credit or, in limited cases, to acquire original credit. Participation in this course work requires approval of the principal and the guidance counselor. Applications and additional information about this program are available in the guidance office. Fees for this program are varied based on the program and are the responsibility of the student.

Guided Independent Study – Students in grades 9 through 12 may elect to take courses by independent study with a mentor teacher. Arrangements and consent must be made through the guidance counselors and the mentor teacher.

Home Education – Although the Board may approve a program of home education, pursuant to law, permitting students to study at home in accordance with Board policy, it is under no obligation to award a diploma or otherwise acknowledge the completion of a home-educated student's education. Additionally, any credits earned through an approved home-schooling program will not count towards graduation.

Butler County Community College (BC3) College within the High School - Students who qualify can earn transferable college credits by taking college classes at Reynolds JSHS. Classes run for 15 weeks and are scheduled before, during or after the school day by a Reynolds staff member. This program is available to students who have obtained the following cumulative grade point average.

Sophomores 3.25 Juniors 3.00 Seniors 2.75
CWHS applications and registration forms are available at the high school guidance office.

Work Release – Available to students in **11th and 12th grade** who meet the necessary qualifications. To be eligible, students must be academically on track to graduate, meet all extracurricular eligibility requirements, submit a completed Work Release Application, obtain approval from the school principal, and participate in quarterly check-ins with the guidance counselor to review progress and compliance. For a complete list of requirements, refer to the **Reynolds High School Work Release Application**.

Reynolds High School Work Release Application

Attention Student:

*To be considered for early dismissal for work purposes, the following criteria **must be met:***

- ☐ You must have a valid **work permit**
- ☐ You must be passing all **courses**
- ☐ You must have **acceptable attendance** (no excessive absences or tardies, as determined by administration)
- ☐ **Disciplinary actions** (detentions, suspensions, etc.) take priority over work obligations
- ☐ This is a **privilege**–it can be revoked at any time for disciplinary or academic reasons
- ☐ You must be **on track for your Graduation Pathway**
- ☐ You must follow all **sign-in and sign-out procedures**
- ☐ There will be **quarterly administrative check-ins** with your employer
- ☐ If your employment ends, you must **return to the school building** during those hours for educational activities

Student: _____ Date of Request:_____

After the student has reviewed and agreed to the procedures outlined above, signatures from all required parties must be obtained for final approval.

Place of employment: _____ Phone:_____

Address: _____

Days and Hours of Work: _____

Employer Approval Signature: _____ Date: _____

Parent Approval Signature: _____ Phone: _____

Guidance Approval Signature: _____ Date: _____

Principal Approval Signature: _____ Date: _____

Graduation Requirements

The standards for graduation from Reynolds High School are set by the Pennsylvania Department of Education and the Reynolds School Board.

Credits Required for Graduation

Class of 2023 and Beyond	
Subject Area	Required Credits
English	4.0
Social Studies	4.0
Math	4.0
Science	3.5
Physical Education	1.5
Health	.5
Financial Literacy	.5
Electives Requirements	8.0
Total Required Credits	26

ADDITIONAL GRADUATION REQUIREMENTS

According to the Pennsylvania Department of Education regulations, all students must:

- ✓ Complete a Future Ready Portfolio and Senior Exit Interviews.
- ✓ Meet a Graduation Pathway requirement.
- ✓ Meet Industry Based Learning requirements.

Note: ***The final responsibility for meeting all graduation requirements rests with each individual student.*** *Students should work closely with their counselor to make certain they are proceeding in a timely manner toward the completion of all requirements.*

Portfolio and Industry Based Learning Requirements for Reynolds Jr. Sr. High School

The Future Ready PA Index serves as Pennsylvania's one-stop location for comprehensive information about school success. One aspect of the Future Ready PA Index is Career Readiness. College and Career Readiness Measures are in place to ensure all students have access to career exploration and preparation activities that are standards-aligned and evidence-based. Reynolds will incorporate the College and Career Readiness Measures into a Future Ready Portfolio and Industry Based Learning requirement.

Big Future & Xello Career Portfolio

• A collection of electronic artifacts that demonstrate meaningful student engagement in Career Education and Work (CEW) Standards (Career Exploration, Career Awareness and Preparation, Career Retention and Advancement, and Entrepreneurship) and an Individual Career Plan. These electronic artifacts are compiled within the school day, grades 6, 8, and 10 & 11.

Guidance Career Curriculum

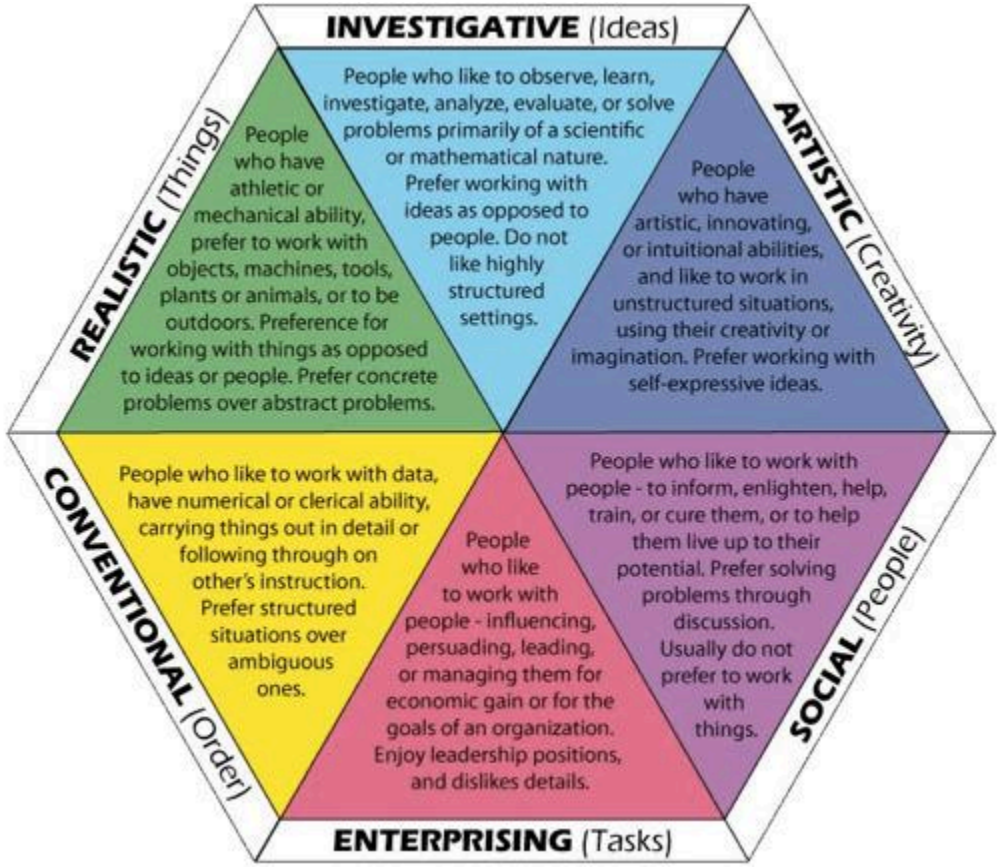
Grade 6	Grade 8
Xello Activities Career Guidance Lessons	Big Futures Activities PA Career Zone Xello Career Portfolio

Grade 9	Grade 10
Begin Job Shadows Xello Activities/Lessons	Business & Industry Career Fair Mahoning Valley Skilled Trades Big Futures Activities Dual Enrollment meeting MCCC Career Visit ASVAB PFEW

Grade 11	Grade 12
Individual Post Secondary Planning Complete Any Job Shadows Classroom Guidance Lessons Workforce Wednesday's Dual Enrollment meeting Thiel College Career Fair Big Futures & Xello Portfolio PSAT11	Attend Future Ready Exit Interview As Scheduled Workforce Wednesday's Thiel College Career Fair College Rep Visits

After completion of all required artifacts, job shadows, and/or Industry Recognized Credential(s), twelfth grade students will complete a Future Ready exit interview in which district staff will sit down with students and ask questions based on their career exploration process, Big Future Portfolios, and Industry Based Learning obtained by the Mercer County Career Center.

Holland Code (RIASEC) Career Interests



Students in 8th, 10th, and 11th grades will participate in a career exploration activity designed to help them better understand their personalities and interests. Through a brief questionnaire, students will discover their Holland Codes, a framework that connects personality types to potential career paths. This activity will serve as a valuable tool for students to begin exploring careers that align with their unique traits, interests, and strength

Career Interests

Holland Code	RHS Courses	Career Fields
Realistic *People who have athletic ability, prefer to work with objects, machines, tools, plants, or animals, or who like to be outdoors.*	All upper-level Math & Science Accounting Aquaponics Art Band Business Math Chorus Consumer Science Design & Manufacturing Entrepreneurship Exercise Science Family Consumer Science Health Materials Processing Media Technology-newspaper Media Technology-video Media Technology-yearbook Personal Finance PIAA officiating Practical Family Life Rock Band	**Trades and Skilled Labor** ★ **Mechanical/Technician:** ➔ Auto Mechanic ➔ Computer Technician ➔ Electrician ➔ Plumber ➔ HVAC Technician ★ **Construction:** ➔ Carpenter ➔ Electrician ➔ Construction Worker ➔ Surveyor ★ **Manufacturing:** ➔ Production Associate ➔ Factory Worker ➔ Quality Control Inspector **Emergency Services** ★ **Firefighter** ★ **Police Officer/Detective** ★ **Paramedic/EMT** **Outdoor and Nature-Related** ★ **Forester** ★ **Landscaper** ★ **Natural Resource Specialist** **Food and Beverage** ★ **Chef/Cook** ★ **Baker/Butcher** **Other** ★ **Robotics Engineer** ★ **Engineering Technician** ★ **Medical Technician** ★ **Optician** ★ **Fitness Trainer** ★ **Physical Education**

Career Interests

Holland Code	RHS Courses	Career Fields
Investigative *People who like to observe, learn, investigate, analyze, evaluate, or solve problems.*	All upper-level Math & Science Accounting Art Business Math Coding Design & Manufacturing Entrepreneurship Foreign Language (Spanish/German) Materials Processing Media Technology-newspaper Media Technology-video Media Technology-yearbook Personal Finance PIAA officiating	Science and Research: ➔ Biologist ➔ Chemist ➔ Physicist ➔ Astronomer ➔ Geologist ➔ Meteorologist ➔ Psychologist ➔ Archaeologist Technology and Engineering: ➔ Software Developer ➔ Computer Programmer ➔ Civil Engineer ➔ Actuary Mathematics and Statistics: ➔ Mathematician ➔ Statistician Healthcare: ➔ Medical Doctor ➔ Nurse ➔ Pharmacist Other Investigative Fields: ➔ Journalist ➔ Market Researcher ➔ Lawyer ➔ Judge

Career Interests

Holland Code	RHS Courses	Career Fields
Artistic *People who have artistic, innovative, or intuitional abilities and like to work in unstructured situations using their imaginations and creativity.*	Accounting Art Band Chorus Design & Manufacturing Entrepreneurship Family Consumer Science Foreign Language (Spanish/German) Materials Processing Media Technology - Newspaper Media Technology - Video Media Technology - Yearbook Rock Band	**Arts and Culture:** ➔ Artist ➔ Musician ➔ Actor/Actress ➔ Writer ➔ Photographer ➔ Designer ➔ Curator ➔ Art Teacher **Media and Communication:** ➔ Journalist ➔ Editor ➔ Social Media Specialist ➔ Marketing Associate **Design:** ➔ Graphic Designer ➔ Interior Designer ➔ Architect ➔ Fashion Designer **Performance:** ➔ Dancer ➔ Choreographer ➔ Stage Manager

Career Interests

Holland Code	RHS Courses	Career Fields
Social *People who like to work with people to enlighten, inform, help, train, or cure them or are skilled with words.*	Advanced Level English Accounting Anatomy Biology Chemistry Design & Manufacturing Entrepreneurship Exercise Science Family Consumer Science Foreign Language (Spanish/German) Health Materials Processing Media Technology - Newspaper Media Technology - Video Media Technology - Yearbook Personal Finance Practical Family Life	Healthcare Professionals: ➔ Registered Nurse (RN) ➔ Therapist ➔ Physical Therapist ➔ Medical Assistant Education: ➔ Teacher ➔ Librarian ➔ School Counselor Social Services: ➔ Counselor ➔ Social Worker ➔ Substance Abuse Counselor Other Social Careers: ➔ Clergy ➔ Human Resource Manager ➔ Journalist/Reporter ➔ Coach ➔ Dietitian/Nutritionist ➔ Advertising Manager ➔ Cosmetologist/Stylist

Career Interests

Holland Code	RHS Courses	Career Fields
Enterprising *People who like to work with people, influencing, persuading, leading, or managing for organizational goals of economic gain.*	Advanced Level English Accounting Business Math Entrepreneurship Exercise Science Family Consumer Science Foreign Language (Spanish/German) Health Materials Processing Media Technology - Newspaper Media Technology - Video Media Technology - Yearbook Personal Finance Practical Family Life	Business & Management: ➔ Managers ➔ Executives ➔ Entrepreneurs ➔ Business Owners Sales & Marketing: ➔ Sales Representative ➔ Marketing Managers ➔ Advertising Professionals Law & Politics: ➔ Lawyers ➔ Politicians ➔ Lobbyists Finance: ➔ Financial Advisor ➔ Investment Bankers ➔ Brokers Other Examples: ➔ Flight Attendant ➔ Banker ➔ Interpreter ➔ Chef ➔ Recruiter ➔ Education Manager ➔ Accountant ➔ Archivist

Career Interests

Holland Code	RHS Courses	Career Fields
Conventional *People who like to work with data, have clerical or numerical ability, carry out tasks in detail, or follow through with orders' instructions.*	All Upper-Level Math & Science Accounting Business Math Consumer Science Design & Manufacturing Foreign Language (Spanish/German) Materials Processing Media Technology - Newspaper Media Technology - Video Media Technology - Yearbook Personal Finance	➔ Accountant ➔ Financial Analyst ➔ Bookkeeper ➔ Administrative Assistant ➔ Data Entry Clerk ➔ Bank Teller ➔ Loan Officer ➔ Computer Network Architect ➔ Medical Record Technician ➔ Court Reporter ➔ Air Traffic Controller ➔ Police, Fire, or Ambulance Dispatcher ➔ Receptionist or Information Clerk ➔ Materials and Records Process

Helpful Websites

RHS Guidance Google Page (Enter Code: hm4vctk)

Holland Code Assessment and RIASEC

Pa Career Zone

Xello College & Career Readiness

Big Future Career Quiz

Collegeboard.org PSAT & SAT Information

Mercer County Career Center

Lawrence & Mercer County Manufacturing Coalition - Workforce

Mercer County Behavioral Health Commission

MCBHC Strengthening Families

Pennsylvania Graduation Requirements - Act 158

Students who will graduate from high school in 2023 and beyond now have additional options to meet the statewide graduation requirement.

Act 158 of 2018 (Act 158), which was signed into law by Governor Tom Wolf on October 24, 2018, expands upon the options that students have for meeting Pennsylvania's graduation requirements. While Act 158 maintains that students will still be required to take the Keystone Exams for federal accountability purposes, students may not be required to achieve proficiency on the Keystone Exams in order to graduate as long as they meet the requirements set forth by one of the following defined options.
These options, which are outlined below, apply to students who will graduate in 2023 and beyond.

Option 1: Keystone Proficiency Pathway

Students must earn a proficient or advanced score on all three Keystone Exams: Algebra I, Literature, and Biology.

Option 2: Keystone Composite Pathway

Students must earn a composite score of 4452 on the Algebra I, Literature, and Biology Keystone Exams. Students must also earn a proficient or advanced score on at least one of the three exams. The student may not earn a Below Basic score on either of the other two exams.

Option 3: Alternate Assessment Pathway

Students must earn a passing grade in the course(s) associated with each Keystone Exam on which the student did not earn a proficient or advanced score. These courses include Algebra I, 10th Grade English Language Arts, and, Biology. Student must also achieve one of the following:

- Attainment of an established score on an approved alternate assessment (SAT, PSAT, ACT, ASVAB);
    - SAT: 1010
    - PSAT: 970
    - ACT: 21
    - ASVAB: the minimum score required for admittance to the branch of the armed services during the year the student graduates
- Gold Level on the ACT WorkKeys Assessment;
- Attainment of at least a '3' score on an Advanced Placement Program exam in an academic content area associated with each Keystone Exam on which the student did not achieve a proficient or advanced score;
- Successful completion of a concurrent enrollment course (ex. college-in-high school course) in an academic content area associated with each Keystone Exam in which the student did not achieve at least a proficient score;
- Successful completion of a pre-apprenticeship program; or
- Acceptance in an accredited 4-year nonprofit institution of higher education and evidence of the ability to enroll in college-level coursework.

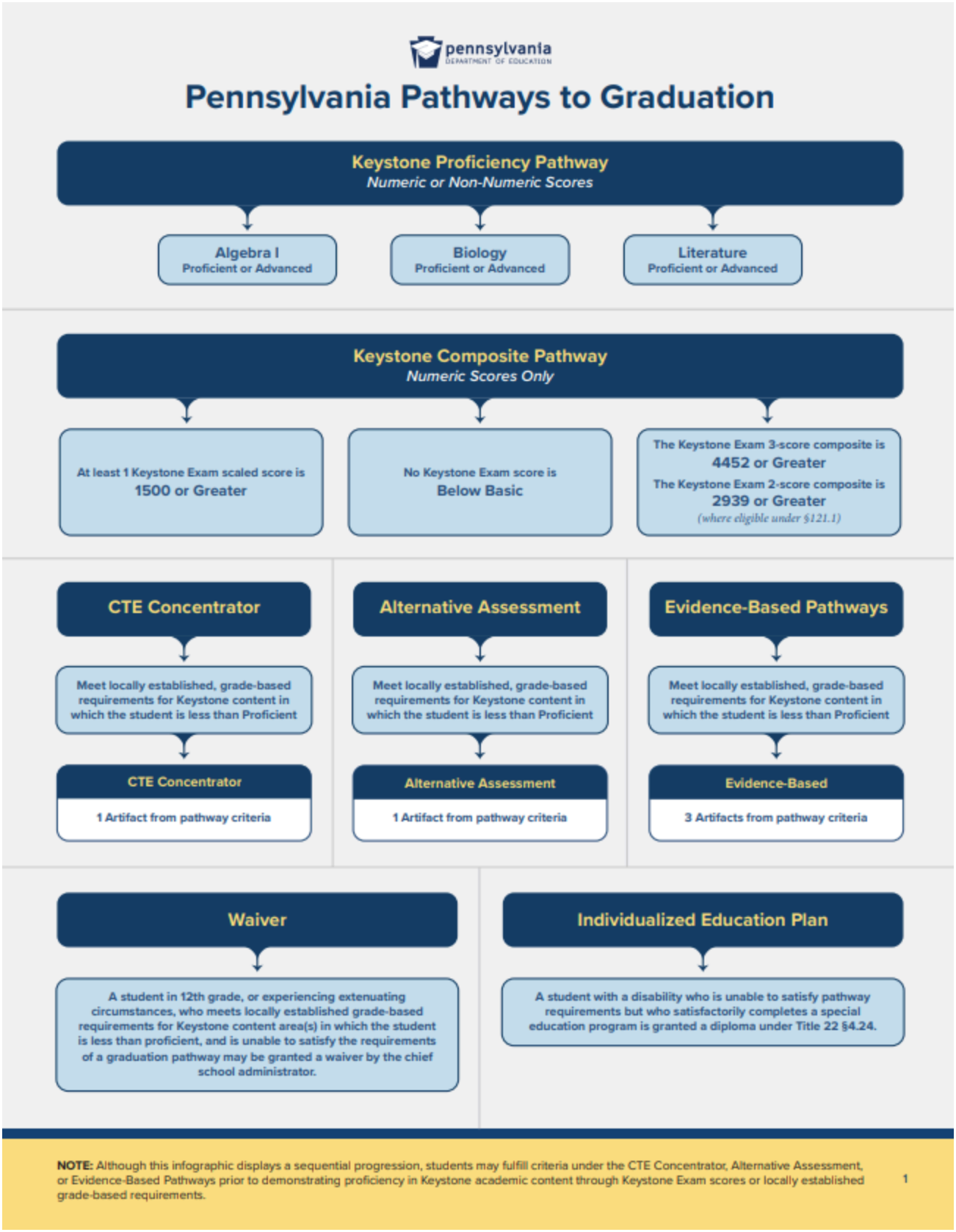
Option 4: Evidence-Based Pathway

Students must earn a passing grade in the course(s) associated with each Keystone Exam that a proficient or advanced score was not earned. These courses include Algebra I, 10th Grade English II, and, Biology. Student must also demonstrate three pieces of evidence consistent with the student's goals and career plans, including:

- One of the following:
    - Attainment of an established score on the ACT WorkKeys assessment (Silver Level), a SAT subject test (score of 630), an Advanced Placement Program Exam (score of 3);
    - Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college-level coursework;
    - Attainment of an industry-recognized credential; or
    - Successful completion of a concurrent enrollment or postsecondary course; and
- Two additional pieces of evidence, including one or more of the options listed above, or: satisfactory completion of a service learning project; attainment of a score of proficient or advanced on a Keystone Exam; a letter guaranteeing full-time employment; a certificate of successful completion of an internship or cooperative education program; or satisfactory compliance with the NCAA's core courses for college-bound student-athletes with a minimum grade point average (GPA) of 2.0.

Option 5: CTE Pathway

Students, who are Career and Technical Education (CTE) Concentrators, must earn a passing grade in the course(s) associated with each Keystone Exam on which a proficient or advanced score was not earned. These courses include Algebra I, 10th Grade English Language Arts, and Biology. Students must also attain an industry-based competency certification related to the CTE Concentrator's program of study or demonstration of 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. For further explanation of the CTE Pathway, please see PDE's Act 6 guidance


pennsylvania
DEPARTMENT OF EDUCATION
Pennsylvania Pathways to Graduation
Keystone Proficiency Pathway
Numeric or Non-Numeric Scores
Algebra I
Proficient or Advanced
Biology
Proficient or Advanced
Literature
Proficient or Advanced
Keystone Composite Pathway
Numeric Scores Only
At least 1 Keystone Exam scaled score is
1500 or Greater
No Keystone Exam score is
Below Basic
The Keystone Exam 3-score composite is
4452 or Greater
The Keystone Exam 2-score composite is
2939 or Greater
(where eligible under §121.1)
CTE Concentrator
Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient
CTE Concentrator
1 Artifact from pathway criteria
Alternative Assessment
Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient
Alternative Assessment
1 Artifact from pathway criteria
Evidence-Based Pathways
Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient
Evidence-Based
3 Artifacts from pathway criteria
Waiver
A student in 12th grade, or experiencing extenuating circumstances, who meets locally established grade-based requirements for Keystone content area(s) in which the student is less than proficient, and is unable to satisfy the requirements of a graduation pathway may be granted a waiver by the chief school administrator.
Individualized Education Plan
A student with a disability who is unable to satisfy pathway requirements but who satisfactorily completes a special education program is granted a diploma under Title 22 §4.24.
NOTE: Although this infographic displays a sequential progression, students may fulfill criteria under the CTE Concentrator, Alternative Assessment, or Evidence-Based Pathways prior to demonstrating proficiency in Keystone academic content through Keystone Exam scores or locally established grade-based requirements.
1

pennsylvania
DEPARTMENT OF EDUCATION

Pathway Criteria

CTE Concentrator

1 Artifact

- Industry-based competency certification
- Likelihood of industry-based competency assessment success
- Readiness for continued engagement in CTE Concentrator program of study

Alternative Assessment

1 Artifact

- Attainment of one alternative assessment score or better: ACT (21), ASVAB AFQT (31), PSAT/NMSQT (970), or SAT (1010)
- Attainment of Gold Level or better on ACT WorkKeys
- Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient
- Attainment of 4 or better on IB Exam(s) related to each Keystone content area in which less than Proficient
- Successful completion of concurrent enrollment course(s) related to each Keystone content area in which less than Proficient
- Successful completion of a pre-apprenticeship program
- Acceptance into accredited, non-profit Institution of Higher Education (IHE) 4yr program for college-level coursework

Evidence-Based

3 Artifacts consistent w/student goals

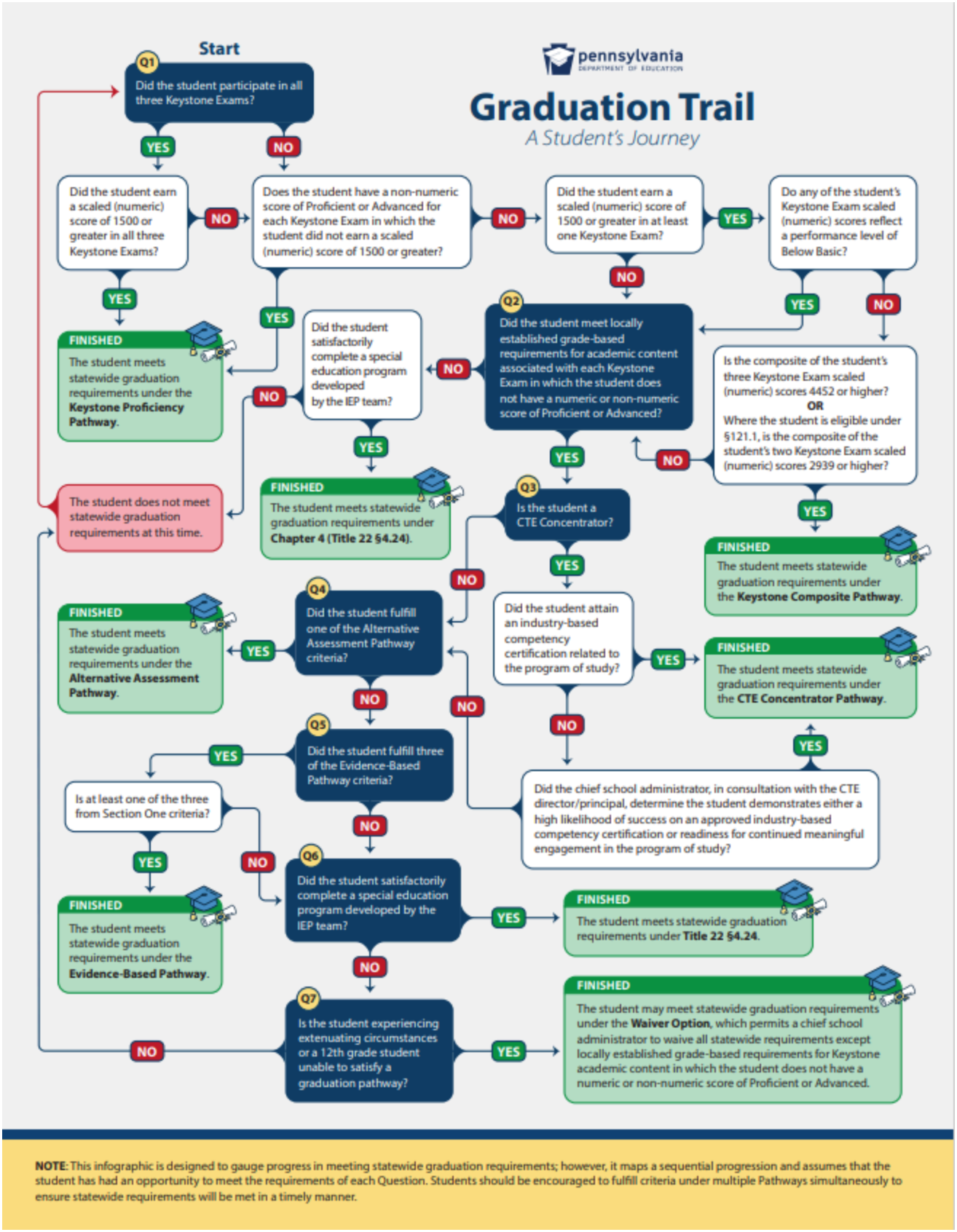
ONE or more from Section One
No more than TWO from Section Two

Section 1

- Attainment of 630 or better on any SAT Subject Test
- Attainment of Silver Level or better on ACT WorkKeys
- Attainment of 3 or better on any AP Exam
- Attainment of 3 or better on any IB Exam
- Successful completion of any concurrent enrollment or postsecondary course
- Industry-recognized credentialization
- Acceptance into accredited, non-profit Institution of Higher Education (IHE) for college-level coursework in an other-than-4yr program

Section 2

- Attainment of Proficient or Advanced on any Keystone Exam
- Successful completion of a service-learning project
- Letter guaranteeing full-time employment or military enlistment
- Completion of an internship, externship, or cooperative education program
- Compliance with NCAA Division II academic requirements



NOTE: This infographic is designed to gauge progress in meeting statewide graduation requirements; however, it maps a sequential progression and assumes that the student has had an opportunity to meet the requirements of each Question. Students should be encouraged to fulfill criteria under multiple Pathways simultaneously to ensure statewide requirements will be met in a timely manner.

JOB SHADOWING STUDENT FORM

NAME: _____ GRADE: _____

DATE(S): _____

NAME OF HOST BUSINESS: _____

BUSINESS ADDRESS: _____

BUSINESS PHONE NUMBER: _____

CONTACT: _____

1. List two specific observations from the experience.

2. List two questions during the experience and how the host answered them.

SIGNATURE OF CONTACT: _____
HOURS OF SHADOWING: _____

Job Shadowing Requirement

Students must complete three job shadow experiences, each lasting three hours.

- **Job shadowing may begin as early as 9th grade.**
- **It is the student's responsibility to arrange their job shadow opportunities and complete all required paperwork.**
- **<u>All three job shadows must be completed by March of junior year to maintain eligibility for ALL extracurricular activities.</u>**

This requirement ensures students gain real-world career exposure while remaining engaged in school activities.

***Forms are available in the guidance office**

Minimum Graduation Requirements

Students are required to schedule a minimum of 6.5 credits per school year.

Grades 9-12			
Courses	Credits	Courses	Credits
English	4.0	Health	.5
Social Studies	4.0	Physical Education	1.5
Mathematics	4.0	Financial Literacy	.5
Science	3.5	Elective Requirements	8.0

Course Matrix

Subject Area	Required Credits	Grade 9	Grade 10	Grade 11	Grade 12
English	4.0	English 1	English 2 CP English 2 *CP English 3	English 3 *CP English 3 CP English 4 AP English Lit AP English Lang	English 4 CP English 4 AP English Lit AP English Lang
Social Studies	4.0	World History	Early American History	Modern American History	Government/Economics
Science	3.5	Elements of Bio (.5) Science Systems (.5) Biology	Biology Chemistry	Integrated Biology Chemistry Life Science Physics AP Chemistry AP Biology	Chemistry Life Science Physics AP Chemistry AP Biology AP Physics
Math	4.0	Elements of Algebra Algebra I CP Geometry	Algebra 1 CP Algebra 2 CP Geometry	Integrated Geometry CP Algebra II Trigonometry	Business Math Algebra 2 Trigonometry Calculus AP Calculus
Financial Literacy	.5		**Personal Finance (.5)**	**Personal Finance (.5)**	**Personal Finance (.5)**
Health and Phys. Ed.	2.0	**P.E. 9-12 (.5)** **Health (.5)**	**P.E. 9-12 (.5)** **Health (.5)**	**P.E. 9-12 (.5)** **Health (.5)**	**P.E. 9-12 (.5)** **Health (.5)**

Subject Area	Required Credits	Grade 9	Grade 10	Grade 11	Grade 12
Arts & Humanities / Electives	8	Art 1 Concert Band Marching Band Concert Choir Guitar Rock Band Spanish 1 German 1 Family Consumer Science Computer Science 1 Computer Science 2 Materials Processing	Art 1 Art 2 Concert Band Marching Band Concert Choir Guitar Rock Band Drawing & Painting Spanish 1 Spanish 2 German 1 German 2 Entrepreneurship Accounting 1 Accounting 2 Family Consumer Science Practical Family Life PIAA Sports Officiating Aquaponics Computer Science 1 Computer Science 2 Materials Processing Design & Manufacturing Mass Media Newspaper Mass Media Video Mass Media Yearbook	Art 1 Art 2 Drawing & Painting Concert Band Marching Band Concert Choir Guitar Rock Band Spanish 1 Spanish 2 Spanish 3 German 1 German 2 German 3 Entrepreneurship Accounting 1 Accounting 2 Business Math Family Consumer Science Practical Family Life PIAA Sports Officiating Anatomy Exercise Science Science Trends Aquaponics Computer Science 1 Computer Science 2 Materials Processing Design & Manufacturing 1 Design & Manufacturing 2 Mass Media Newspaper Mass Media Video Mass Media Yearbook	Art 1 Art 2 Drawing & Painting Concert Band Marching Band Concert Choir Guitar Rock Band Spanish 1 Spanish 2 Spanish 3 Spanish 4 German 1 German 2 German 3 German 4 Entrepreneurship Accounting 1 Accounting 2 Business Math Coding 1 Coding 2 Family Consumer Science Practical Family Life PIAA Sports Officiating Anatomy Exercise Science Science Trends Aquaponics Computer Science 1 Computer Science 2 Materials Processing Design & Manufacturing 1 Design & Manufacturing 2 Mass Media Newspaper Mass Media Video Mass Media Yearbook
Total	**26**	Required Courses for all students are in **Bold**			

Course Descriptions

ART COURSES — COURSE

Art 1: **(0.5 Credit)** **#10620**

This art course will build upon the foundation of introduction to art. Students will creatively explore as broad a scope of materials and techniques – both two and three-dimensional – as time permits. Areas of study will include: photography and darkroom techniques, color, design, crafts, commercial art, etc.

Art 2: **(1.0 Credit)** **(Prerequisite: Art 1)** **#10621**

The student will continue to creatively explore, in greater depth, materials and techniques introduced in the previous art courses. Special emphasis will include painting, graphics, jewelry and silk screen. Time will be set aside for individual studio exploration in the art area of your choice.

Drawing and Painting: **(1.0 Credit)** **Gr. 10-12** **#10699**

The Drawing and Painting course will expose the Art student to advanced skills and techniques of two dimensional art forms. The student will work with a variety of materials and mediums using the elements and principles of Art.

Art/Independent Study: **(1.0 Credit)** **(Prerequisite: Art Faculty Approval)**

This class is designed especially for the senior who already has a good background in art fundamentals and wishes to explore certain areas of special interest on an individual basis. These interest areas can include photography, airbrush, sculpture, graphics, painting or any other art field for which supplies and equipment are available.

BUSINESS EDUCATION COURSES — COURSE

Entrepreneurship: **(1.0 Credit)** **Grades 10-12** **#10540**

The focus of this course is to familiarize the students with the principles of owning and operating a business from the ground up. The company will consist of 5 different departments. The finance department will keep the company's financial records. The marketing and sales department will develop and carry out the company's marketing strategy. The production department will order raw materials, establish production goals, develop a production strategy and monitor quality control. The human resource team is responsible for developing the company's compensation plan and keeping attendance and payroll information. The president, officers, and all participants will gain valuable leadership and management experiences while performing several specific duties.

Accounting 1: **(.5 credit)** **Grades 10-12** **#10507**

This course presents accounting principles/application to various businesses. Covers the accounting cycle, income determination, and financial reporting. Includes a comprehensive study of the basic elements of accounting and emphasizes the nature and importance of accounting procedures.

Accounting 2: **(.5 credit)** **Grades 10-12** **(Prerequisite: Accounting 1)** **#10509**

This course presents accounting principles with an emphasis on practical application of Accounting I skills in a business environment.

Pay attention to the prerequisite grades and courses listed in class descriptions.
If you have questions ~ Ask your English Teacher or Guidance Counselor!

English Sequence for Grades 9-12

**Any students who do not score Proficient or Advanced on the Keystone Literature Exam will be scheduled for Integrated English 3 in the next school year.*

	General Track	Academic Track	Advanced Track
	***Students may be scheduled for College Prep English 3 based on PVAAS projections and State Assessment scores.**		
9th Grade	English 1	English 1	English 1
10th Grade	English 2	College Prep English 2	*College Prep English 3
11th Grade	Integrated English 3	College Prep English 3 Integrated English 3	Choose From: AP English Literature AP English Language College Prep English 4
12th Grade	English 4	Choose From: College Prep English 4 AP English Literature AP English Language	Choose From: AP English Literature AP English Language

>>ENGLISH COURSES COURSE

English 1: **(1.0 Credit)** **Grade 9** **#10010**

This course will be taught with the integration of literature, grammar and composition. The main purpose of this course will be to introduce students to major American and British writers. In addition to major writing assignments, students will read a variety of literary genres.

English 2: **(1.0 Credit)** **Grade 10** **#10021**

English 2 builds on foundational skills in reading, writing, and analysis, aligned with Pennsylvania Standards. Students will explore various writing styles, complete an MLA research paper, and deliver a persuasive speech. Through reading, discussion, and collaborative activities, students will sharpen their critical thinking and communication skills. This course prepares students for the Keystone Literature Exam, which is required for graduation.

College Prep English 2: **(1.0 Credit)** **Grade 10** **#10020**
(Prerequisite: Students may be placed based on PVAAS projections and State Assessment scores.)

This course prepares students for the Keystone Literature Exam by building skills in reading comprehension, literary analysis, and analytical writing. Students read fiction and nonfiction texts, write in multiple modes, and support their ideas with textual evidence. They complete an MLA-style research paper, deliver a persuasive speech, and expand vocabulary for clear communication. Assessments include quizzes, essays, projects, and practice exams. Proficiency on the Keystone Literature Exam is required for graduation. This course is strongly recommended for college-bound students.

College Prep English 3: **(1.0 Credit)** **Grade 11** **#10030**
(Prerequisite: Students may be placed based on PVAAS projections and State Assessment scores.)

Designed for academic students, this course is offered as an aid in preparing for college entrance. Emphasis is placed upon methods of developing and testing verbal competency and upon the study of correct use of the language. Students will also study American Literature and writers. Reading and writing skills will be emphasized.

Integrated English 3: **(1.0 Credit)** **#10031**

Integrated English 3 is designed to strengthen students' reading, vocabulary, and writing skills while also incorporating essential processes that will benefit them in their future careers. The course includes career exploration activities, making it particularly suited for students planning to enter the workforce, military, or technical school after graduation.

Additionally, this course serves as a remediation program aligned with the Pennsylvania Department of Education's requirements for students who have not yet achieved proficiency on the Keystone Literature Exam. Using a data-driven approach, Integrated English 3 focuses on developing the literature skills necessary for students to succeed on the exam and beyond.

College Prep English 4: **(1.0 Credit)** **Grade 12** **#10040**
(Prerequisite: Earned 76% or above in 11th grade English)

This course will refine composition skills and introduce in-depth research techniques to be used in the completion of three MLA term papers. In addition, the literature of England from the Anglo-Saxons to the modern period will be studied. Emphasis will be placed on public speaking presentations, communication skills and working as a team.

English 4: **(1.0 Credit)** **Grade 12** **#10041**

This course involves reading, vocabulary and the study of various processes that will be helpful to any student in the future; e.g., developing resumes, completing job applications and developing necessary writing skills for success.

AP English Literature: **(1.0 Credit)** **Weighted: 1.1** **#10043**
(Prerequisite: 85% or better in College Prep English 3)

Advanced Placement English Literature and Composition is a weighted course, concentrating on critical reading and writing skills. Students will explore many genres in literature – novels, plays, poetry, essays, and short stories – from a wide variety of literary periods. The focus of the course will be preparation for the Advanced Placement Examination; any student, however, will benefit from learning to read and write critically and analytically.

Assigned summer reading is required; additional assignments may also be required. Failure to fulfill summer reading requirements or other assignments will result in removal from the course.

All students will be required to take the AP Exam at district expense.

AP English Language: **(1.0 Credit)** **Weighted: 1.1** **#10044**
(Prerequisite: 85% or better in College Prep English 3)

This course is designed to give students frequent opportunities to learn about the ways rhetoric and argument shape and influence our lives, community, and our world by examining rhetorical situations, author's purpose, as well as the audiences and the subjects in various themed and challenging texts. Students will write in a variety of modes for a variety of audiences, developing a sense of personal style and fluency, and cultivate an ability to analyze and articulate how the use of language operates in any given text.

All students will be required to take the AP Exam at district expense.

>>Denotes courses required for graduation

FOREIGN LANGUAGES — COURSE

German 1: **(1.0 Credit)** **#10420**
German I is a beginner's course which emphasizes the skills of speaking, listening comprehension, reading and writing. In addition to these skills, the first year student will be introduced to the culture and customs of Germany.

German 2: **(1.0 Credit)** **#10421**
Building upon the foundation learned in the first year course, the German II student will strengthen his/her skills in the areas of speaking, listening comprehension, reading and writing. By the end of the second year of study, the German II student will be acquainted with most aspects of German grammar and will have increased his/her first year vocabulary significantly.

German 3/4 as Independent Study: **(1.0 Credit)** **#10424**
(Prerequisite: 84% in German II, Faculty Approval)

This class is designed for juniors and seniors who would like to advance their knowledge of the German language and culture. Students will be responsible for meeting with the teacher and completing work on their own according to the timeline set by the teacher.

Spanish 1: **(1.0 Credit)** **#10430**
During the first year of Spanish, emphasis is placed on speaking and hearing the target language. This is aided through the use of CDs by native speakers. Writing skills are developed through the use of the textbook which is accompanied by a workbook.

Spanish 2: **(1.0 Credit)** **#10431**
The second year of Spanish begins with a review of vocabulary and grammar learned during the first year. Emphasis is placed on further development of writing skills. Cultural readings, presented throughout the book, aid in the development of reading skills.

Spanish 3: **(1.0 Credit)** **#10432**
Spanish III is a combination of materials learned during the first two years of Spanish and places an emphasis on Spanish literature, old and new.

Spanish 4: **(1.0 Credit)** **#10433**
Students must have completed materials required for Spanish I, II and III. Students in Spanish IV will further develop skills in preparation for college classes.

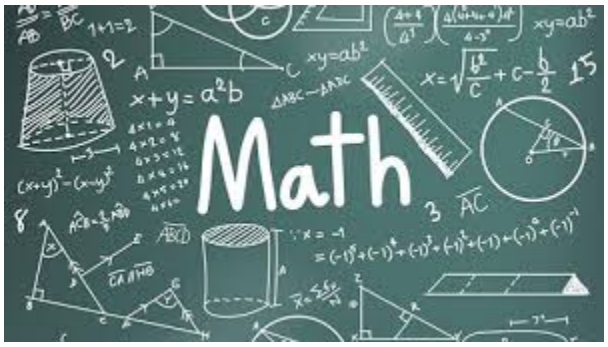
FAMILY AND CONSUMER SCIENCES — COURSE

Family and Consumer Sciences: **(.5 Credit)** **#10750**
This semester course will build on concepts introduced in the eighth grade block class, in the areas of consumer interests, resource management, child care, food preparation, and nutrition. It will help students to gain usable skills in decision making and balancing responsibilities, as well as understanding family interactions and changes.

Practical Family Life: **(1.0 Credit)** **#10751**
This course addresses many areas of family and personal relationships. It also covers parenting, child development, healthy lifestyles and much more.

>> Denotes courses required for graduation.

Pay attention to the prerequisite grades and courses listed in class descriptions.
If you have questions ~ Ask your Math Teacher or Guidance Counselor!



Math Sequence for Grades 9-12

*Any students who do not score Proficient or Advanced on the Keystone Algebra Exam will be scheduled for Integrated Geometry in the next school year.

Students will be scheduled for Elements of Algebra or Algebra I based on PVAAS projections, PSSA scores, and Prognosis exams.

	General Track	Academic Track	Advanced Track
8th Grade	Math 8	Math 8	*Algebra I
9th Grade	*Elements of Algebra	*Algebra I	Geometry
	All Tracks May take Personal Finance Concurrently		
10th Grade	Algebra I	College Prep Geometry May take CP Algebra II Concurrently	Algebra II
	All Tracks May take Personal Finance Concurrently		
11th Grade	Integrated Geometry	<u>Choose From:</u> College Prep Algebra II Trigonometry	Trigonometry
	All Tracks May take Personal Finance Concurrently		
12th Grade	<u>Choose From:</u> Algebra II Business Math	<u>Choose From:</u> Trigonometry Calculus AP Calculus	<u>Choose From:</u> Calculus AP Calculus

>>MATHEMATICS COURSES COURSE

Elements of Algebra: **(1.0 Credit)** **#11210**

Elements of Algebra introduces students to fundamental algebraic concepts essential for high school and college mathematics. Students will develop skills in expressing quantities using algebraic expressions, equations, inequalities, and functions. The course emphasizes evaluating formulas, working with real numbers, rational exponents, and polynomials, as well as interpreting data and exploring basic probability. This course provides a strong foundation for success in Algebra 1, aligned with the Pennsylvania Department of Education's standards.

Algebra 1: **(1.5 Credit)** **#11310/11410**
(Prerequisite to take Algebra I as an eighth-grade student: Must acquire a PVAAS, Pennsylvania Value-Added Assessment System, projection of 40% or higher probability of achieving Advanced on the Keystone Algebra I exam.)

Algebra 1 consists of performing all the basic mathematics material operations on unknowns. Equations and inequalities are solved and graphed. Statement problems are translated into math problems and solved. Equations are viewed on the coordinate plane. Systems of equations and fractional expressions are explored.

At the completion of this course students are given the Keystone Algebra Exam. As a graduation requirement, students must demonstrate proficiency on this exam.

Integrated Geometry: **(1.0 Credit)** **#11330**

This course meets the remediation set by the Pennsylvania Department of Education for any student who has not obtained proficiency on the Keystone Algebra Exam. Integrated Geometry is a data driven course that will focus on Algebra skills that are necessary to achieve proficiency on the Keystone Algebra exam.

College Prep Geometry: **(1.0 Credit)** **#11430**
(Prerequisite: Algebra I)

Geometry is a college preparatory course that is the study of lines, angles, polygons, and circles. Students will apply definitions, postulates and theorems to solve traditional problems as well as real world applications. This academic course stresses higher order reasoning and logical proof.

College Prep Algebra 2: **(1.0 Credit)** **#11440**
(Prerequisite: Algebra I & Geometry)

The College Prep Algebra 2 course is designed to build on previous algebraic and geometric concepts. Students will continue to develop their skills in linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course. The content of this course previews many pre-calculus concepts and is important for students' success on both the SAT and ACT exams.

Trigonometry: **(1.0 Credit)** **#10140**
(Prerequisite: 80% or better in Algebra II and Geometry)

This course covers the topics needed for further academic study in math and/or sciences. Included are 1) a review of number properties and basic operation on polynomials, rational expressions, exponents and radicals, 2) solving algebraic and trigonometric equations, 3) trigonometric formulas, identities and graphs, 4) solving triangles, 5) systems of equations, 6) matrices and determinants, 7) sequences, mathematical induction and the binomial theorem and 8) introduction to conics section.

Calculus: **(1.0 Credit)** **#10141**
(Prerequisite: 80% or better in Algebra I, Algebra II, Geometry & College Algebra/Trig)

The Calculus course consists of a full year of calculus with elementary functions. It is comparable to introductory calculus in college and universities. This course is primarily concerned with the intuitive understanding of the concepts of calculus and experience with its methods and applications. Topics in this course will be functions and graphs, limits and continuity, differential calculus, and integral calculus through the volumes of solids of revolution.

AP Calculus: **(1.0 Credit)** **Grade 12** **Weighted: 1.1** **#10142**
(Prerequisite: 85% average or better in Trigonometry)

The AP Calculus course consists of a full year of calculus with elementary functions. It is comparable to introductory calculus in colleges and universities. This course is primarily concerned with the intuitive understanding of the concepts of calculus and experience with its methods and applications. Topics in this course will be functions and graphs, limits and continuity, differential calculus, and integral calculus through the volumes of solids of revolution.

All students will be required to take the AP Exam at district expense.

>>Personal Finance: **(.5 Credit)** **Grades 10,11, or 12** **#10145**

This course equips students with essential financial literacy skills based on the Pennsylvania Department of Education's Personal Finance standards. Topics include budgeting, saving, banking, credit management, investing, taxes, insurance, and financial decision-making. Through real-world applications and interactive activities, students will develop responsible financial habits to prepare for future independence and economic success.

Business Math: **(.5 Credit)** **Grades 10,11, or 12** **#10143**

This course expands on Personal Finance by exploring real-life financial responsibilities, including buying and owning a car or home, insurance coverage, investing strategies, and understanding taxes. Students will apply math skills to make informed, practical financial decisions and prepare for adult life.

>>Denotes courses required for graduation

MUSIC COURSES COURSE

Concert Band: **(1.0 Credit)** **#10640**

This course is open to students previously enrolled in the instrumental program or students with previous outside experience who pass an audition given by the Director of Bands. Concert Band exposes the student musicians to a wide and varied repertoire. Represented musical periods include Baroque, Classical, Romantic and Contemporary. Performances include a Fall Concert, Winter Concert, Music in Our Schools Concert, Spring Concert, and Commencement, along with various during-school performances.

Concert Choir: **(1.0 Credit)** **Grades 9-12** **#10631**

This course is open to those students selected through an open audition held in the spring for the following year. Concert Choir/Mixed Chorus will expose students to a wide variety and style of vocal music including Renaissance, Baroque, Classical, Romantic and Contemporary as well as Pop, Jazz and Broadway. Emphasis is placed on tone production, diction, articulation, breathing, music reading, and fun. A minimal performance schedule includes a Winter Concert and Spring Concert and occasional during-school performances, as scheduled.

Marching Band: **(1.0 Credit)** **Grades 9-12** **#10643**

This course is open to students previously enrolled in the instrumental program or students with previous outside experience. The Marching Band course gives students an opportunity to improve their playing, marching, and maneuvering skills. Students enrolled in this course will be expected to attend Band Camp as well as after-school rehearsals in order to fine-tune performances along with those members who are not enrolled in the course. Students are also expected to attend evening and weekend performances.

Guitar: **(.5 Credit)** **Grades 9-12** **#10644**

This course is designed for students with little to no previous experience playing the guitar. Students will begin with the fundamentals of reading pitches and rhythmic notation and will progress to playing basic chords that can be used to accompany singing. By the end of the course, students will be able to read basic lead sheets as well as tablature notation. Students must supply their own instrument.

Rock Band: **(.5 Credit)** **Grades 9-12** **#10642**

Get ready to turn up the volume! In this hands-on course, students will learn how to perform in a modern rock band. You'll explore instruments like electric guitar, bass, drums, keyboard, and vocals while building skills in playing techniques, teamwork, and stage presence.

Whether you're a beginner or already play, **Rock Band** offers a fun, creative space to grow as a musician and perform with others.

HEALTH AND PHYSICAL EDUCATION COURSES COURSE

Anatomy: **(1 Credit)** **#10740**

This course will emphasize the study of skeletal and muscular systems. It is especially helpful in preparation for future studies in nursing and other health related studies.

Exercise Science: **(1 Credit)** **#10224**

This course will introduce concepts of exercise science. Students will gain an understanding of the underlying biology of exercise, nutrition, biochemistry, injury prevention, fitness-testing and exercise protocols. The course will be beneficial for students who have an interest in entering the field of health and wellness including exercise science, physical therapy, personal training, athletic training, or orthopedics.

>>Health: **(.5 Credit)** **#10722**

Health is not just the absence of disease or sickness, but the state of complete physical, mental and social well-being. The primary goal in life is not merely to live long, but also to live well. Health education is a required program in the school curriculum to develop the individual's knowledge and understanding of the progressive health advances which are evident in his/her changing society and to motivate the individual to apply these principles and practices of healthy living.

PIAA Sports Officiating: **(.5 Credit)** **Grades 10-12** **#10705**

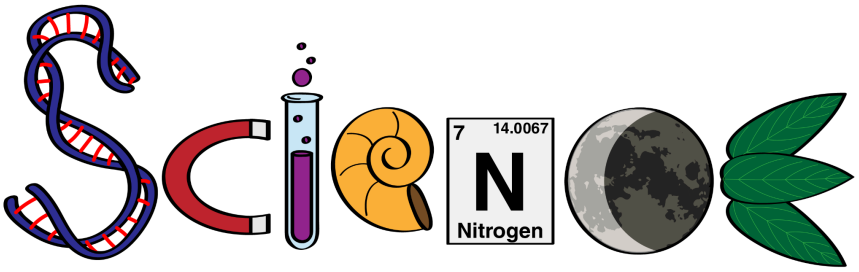
This course is designed to enable students to acquire knowledge of sports rules and regulations and to develop skills in officiating selected sports. Students will be introduced to the rules and techniques of officiating team sports. Students will also learn important characteristics of becoming an official. In addition to learning the rules and mechanics of officiating, students will have the opportunity to demonstrate these learned skills. After each unit, the students will have the opportunity to take the PIAA certification test. If they pass with a 70% or higher they can become a junior official. Students enrolled in this course will be required to officiate a variety of team sports during physical education classes.

>>Physical Education: **(.5 Credit)** **#10700, 10704/10705**

The course includes the teaching of those activities that will aid in the development of the individual physically, mentally, emotionally and socially, and the contribution of skills for worthy use of leisure time. The methods used will be both demonstration and participation.

>>Denotes courses required for graduation

Pay attention to the prerequisite grades and courses listed in class descriptions.
If you have questions ~ Ask your Science Teacher or Guidance Counselor!



Science Sequence for Grades 9-12

**Any students who do not score Proficient or Advanced on the Keystone Biology Exam will be scheduled for Integrated Biology in the next school year.*

	General Track	Academic Track	Advanced Track
	9th Grade Students may be scheduled for Biology based on PVAAS projections, PSSA scores, and Prognosis exams.		
9th Grade	Elements of Biology and Science Systems	Elements of Biology and Science Systems	Biology
10th Grade	Biology	Biology	Chemistry
11th Grade	*Integrated Biology	Chemistry	Choose From: AP Chemistry AP Biology Physics Life Science
12th Grade	Choose From: Chemistry Life Science	Choose From: AP Chemistry AP Biology Physics Life Science	Choose From: AP Chemistry AP Biology AP Physics Physics Life Science

>>SCIENCE COURSES COURSE

>>Elements of Biology: **(.5 Credit)** **Grade 9** **#10216**

This lab-based course is designed to explore the fundamental concepts of Biology. During this course, students will develop reading skills, not talking, critical thinking, problem solving, observing, hypothesizing, researching, experimenting, and using scientific tools, and techniques. The laboratory experiments will enable students to gain direct hands-on experience to reinforce the application concepts obtained in the classroom. In addition to content knowledge, students will gain a fundamental appreciation for how the process of science works and an understanding of interconnectivity.

This course provides students with the foundation for Biology 1.

>>Science Systems: **(.5 Credit)** **Grade 9** **#10217**

Integrated Science Systems is a multidisciplinary approach to the relationships between biology and chemistry in the natural world. This course will provide a classroom environment that uses problem-based exercises, class discussions, demonstrations, lectures, cooperative group work, laboratory experiences, and individual work to introduce these concepts. Evaluations will be based upon student performance on tests and quizzes, projects, classwork, and out-of-class activities.

This course provides students with the foundation for Biology 1.

Biology 1: **(1.5 Credit)** **#10219**

Biology I includes a brief history of the biological sciences and current developments in many related areas. It develops an awareness of the variety and extent of the living world and the interrelationships existing between creatures and their environment. It will also help students gain a knowledge of the functions of living things and the structures necessary for performing these functions. The course will also introduce students to the principles of heredity and its effect on themselves and other living organisms.

At the completion of this course students are given the Keystone Biology Exam. As a graduation requirement, students must demonstrate proficiency on this exam.

Life Science: **(1.0 Credit)** **#10240**
(Prerequisite: Biology I and Chemistry)

This course will cover organic evolution and a study of the simplest organisms to the most advanced to gain understanding of their relationships. Genetics is one of the cornerstones of the course. Different types of inheritance will be studied, including human genetics. Students will be studying patterns of inheritance with investigations of the fruit fly.

Integrated Biology : **(1.0 Credit)** **#10241**

This course meets the required remediation set by the Pennsylvania Department of Education for any student who has not obtained proficiency on the Biology Keystone Exam. Biology II is a data driven course that will focus on Biology skills that are necessary to achieve proficiency on the Biology Keystone exam.

AP Biology: **(1.5 Credit)** **Grade 11** **Weighted: 1.1** **#10222**
(Prerequisite: 85% or better in Biology)

The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course, usually taken by biology majors during their first year. The AP Biology course differs significantly from the usual high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the scope of laboratory work performed by students, and the time and effort required of students. AP Biology aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The goal of a college introductory biology course, and therefore of an AP Biology course, is to provide a learning environment that enables students to develop a solid understanding of the principal concepts in biology. College Board guidelines are followed in shaping the course.

All students are required to take the AP Exam at district expense.

Chemistry: **(1.5 Credit)** **#10230**
(Prerequisite: Algebra I)

The course begins with a brief review of general science principles that apply to chemistry, including matter of energy concepts, measurement, scientific methods and an overview of the development and purpose of chemistry. The main contents of the course are atomic structure, formula writing, chemical equations, mole concept and mass relations, gas laws, acids, bases and salts, and a survey of organic chemistry. Throughout the course, basic chemical laboratory techniques are explored in each chapter.

AP Chemistry: **(1.5 Credit)** **Weighted: 1.1** **#10236**
(Prerequisite: 85% or better in Chemistry)

AP Chemistry is a highly specialized course for qualified students whose future includes university attendance with a possible major in the sciences. AP Chemistry is equivalent to a rigorous first year college-level chemistry course and is designed for students with strong mathematics and problem-solving skills along with a genuine love of science and its application. Topics of study include Matter and Measurement, Atoms, Molecules and Ions, Stoichiometry, Thermochemistry, Periodic Properties, Chemical Bonding, Molecular Geometry, Properties of Solutions, Chemical Equilibrium, Acids and Bases, Thermodynamics, Electrochemistry. Many of these units involve a large amount of mathematical calculations and manipulations.

All students are required to take the AP exam at district expense.

Physics: **(1.5 Credit)** **#10243**
(Prerequisite: Trigonometry – may be taken concurrently)

Physics is designed to give students an understanding and appreciation of the physical world around them. Topics covered in the class include motion, force, energy, rotational dynamics, acoustics, optics and electricity. Labs and projects help the students develop skills in problem-solving, data analysis and teamwork. Students should have passed or be currently enrolled in Trigonometry. This course is a prerequisite for AP Physics.

AP Physics B: **(1.5 Credits) Grade 12 Weighted: 1.1** **#10245**
(Prerequisite: 85% or better in College Algebra/Trig and 85% or better in Physics)

AP Physics B is comparable to an introductory college level, algebra-based physics course. The course includes a study of the following areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. The goals of this course include an understanding of the key concepts as well as an application of these concepts to problem-solving. Laboratory experiences will be a key component.

All students will be required to take the AP Exam at district expense

Science Trends: **(1.0 Credit)** **#10231**

Science Trends gives students the opportunity to study current topics in science. A major part of the class includes a study of the environment (ecosystems, biodiversity, pollution, resources, and energy production) and humans' influence on it. The remaining class time is used to explore science topics found in the news, including the Discovery Channel, magazine articles and new program specials.

Aquaponics 1 **(.5 Credit)** **#10220**
This course is in the developmental stage and not currently an open enrollment course - prerequisite announcement coming soon!

This hands-on course introduces students to aquaponics, integrating plant science, fish care, water chemistry, and sustainable agriculture. Students will monitor and maintain an aquaponic system, applying concepts from biology, chemistry, physics, and engineering. Through observation, experimentation, and data analysis, they will develop problem-solving and critical-thinking skills while exploring hydroponic plant growth and sustainable food production.

>>SOCIAL STUDIES COURSES COURSE

World History: **(1.0 Credit)** **#10319**

This course emphasizes a chronological study of how cultures developed in different parts of the world. Further, this course follows world history from the prehistoric period through the 21st century. Students will see the birth and development of Western and Eastern civilizations. Reviews world history from the end of the agricultural period, to the Industrial Revolution and then fast forward to today. The course looks at the effects of Nationalism, Imperialism and Democracy on the history of the world. Students will also learn about the ways World War II changed the face of the world. The course ends with an overview of the world today, and looks into the possible events that may happen in the future.

Early American History/U.S. History I: **(1.0 Credit)** **#10329**

A major focus of this course is to make the student aware of the historical, cultural, political and social events that have directly or indirectly shaped and altered civilizations throughout the course of history. The course will incorporate a broad body of historical knowledge:

- Use of historical evidence to defend and support basic arguments and positions.
- Differentiate between various schools of historical thought and interpretation.
- Interpret and draw conclusions from various pieces of historical data including original documents, cartoons, graphs, etc.
- Demonstrate an effective use of analytical skills of evaluation, cause and effect relationships, and compare and contrast.

Modern American History/U.S. History II: **(1.0 Credit)** **#10330**

Modern American History is a course that will cover the post-Civil War United States to the present day. The course will feature a chronological history of the growth of the United States as a world power. The course units will include: Reconstruction, The Settling of the West, The Age of Big Business, Imperialism, The Great War, The Depression, World War II, The Cold War and The Vietnam War.

Government/Economics: **(1.0 Credit)** **#10340**

In the senior year students will study both Economics and Law. Economics in the first half of the year, Law in the second. In Economics we will study supply and demand, the function and value of money, the Federal Reserve and our tax structure. In the Law we will study the foundations of the Law, the Criminal Justice System and Civil procedures. Students will be required to write a term paper, Law Case Study, possibly perform in a mock trial, a speech, or a debate. Throughout the year a heavy emphasis will be placed on current events.

>>Denotes courses required for graduation.

TECHNOLOGY COURSES — COURSE

Materials Processing: **(.5 Credit)** **#10515**

This course builds on foundational skills in 3D modeling, measurement, and design, introducing students to the use of tools and equipment in the Fab Lab. Emphasis is placed on creating functional drawings, learning design principles, and applying introductory engineering concepts. Students will also gain hands-on experience with CADD programs and develop teamwork, leadership, and problem-solving skills. Ideal for those interested in manufacturing, engineering, and design.

Design and Manufacturing 1: **(1.0 Credit)** **#10516**

(Prerequisite: must have earned 1.0 credit in Materials Processing)

This course expands on the skills developed in *Materials Processing*, focusing on advanced design principles, engineering concepts, and manufacturing techniques. Students will engage in hands-on projects that incorporate aerodynamics, material analysis, and product development. Using industry-standard CADD software, such as Inventor, students will create detailed models and functional prototypes. Emphasis will be placed on teamwork, leadership, and problem-solving through collaborative design challenges. Students will also explore fabrication methods, quality control, and the integration of modern manufacturing technologies. This course is ideal for those interested in engineering, industrial design, and advanced manufacturing careers.

Design and Manufacturing 2: **(1.0 Credit)** **# 10519**

(Prerequisite: must have earned 1.0 credit in Design and Manufacturing 1)

This advanced course builds upon the skills developed in *Design and Manufacturing*, challenging students to design and produce high-quality, marketable products. Students will refine their expertise in CADD Inventor, MasterCAM, and Illustrator while applying advanced manufacturing techniques. Precision, attention to detail, and problem-solving will be critical as students take on complex fabrication projects. One option includes the production of a custom electric guitar, requiring mastery of design, machining, and finishing processes. Alternatively, students may choose to develop a variety of professionally crafted items designed for real-world application. This course is ideal for students seeking hands-on experience in industrial design, engineering, and product development.

Mass Media Yearbook: **(.5 Credit)** **#10056**

(Prerequisite: application with teacher recommendations)

This course is designed to assist students in becoming efficient in the use and production of digital media through the medium of a high school yearbook. Students will be able to write pages, take photographs, use elements of graphic design, and employ marketing strategies through the completion of the high school yearbook.

Mass Media Video: **(.5 Credit)** **#10054**

(Prerequisite: application with teacher recommendations)

This course is designed to assist students in becoming efficient in the use and production of digital media through the medium of a weekly television broadcast. Students will be able to write, film and produce weekly news broadcast shows.

Mass Media Newspaper: **(.5 Credit)** **#10052**

(Prerequisite: application with teacher recommendations and samples of writing)

This course is designed to teach students basic skills in newspaper writing, editing, and formatting. Students will apply this knowledge through the publication of a monthly edition of the school newspaper, The Raider Invader

Computer Science Principles 1 **(.5 Credit)** **Grades 9-12** **#10511**

This course introduces students to core concepts in computer science and the impact of technology on the world. Students will learn the basics of block programming and app design while exploring topics such as the Internet, introductory app development, programming fundamentals, algorithms, and artificial intelligence. Each unit concludes with a hands-on project.

Computer Science Principles II **(.5 Credit)** **Grades 9-12** **#10513**
(Prerequisite: Successful completion of Computer Science Principles 2)

A continuation of *Computer Science Principles I*, this course deepens students' understanding of computer science. Topics include data analysis, lists, loops and traversals, parameters, return values, and libraries. Students will apply their learning through performance-based projects at the end of each unit.

ADDITIONAL OPTIONS COURSE

GATE: (Gifted and Talented Education) **(1.0 Credit)** **#10910**

This program gives academically gifted students an opportunity to explore areas of interest beyond the regular classroom curriculum. Students may be recommended for participation by self, peers, teachers or parents. Pennsylvania State Law requires that a student be evaluated for the program by a multidisciplinary team composed of various educational personnel. The major focus of this course is to provide the student with the study of major issues and significant ideas, the opportunities to develop awareness, understanding, and enjoyment of a wide variety of literature, and projects that are interdisciplinary in nature. The annual goal of the gifted classroom is to improve the students' communication, thinking, and research skills.

Mercer County Career Center: **(3.0 credits per year)** **Grades 11 and 12** **#10900**

Students attending the Mercer County Career Center (MCCC) take the required academic courses at the high school and then the vocational courses are completed at the MCCC. All courses are competency based. Courses can be completed in 2 years with the exception of Cosmetology which is a 3 year program.

Initial contact is made in 8th grade for all students and then again in 9th and 10th grade. Those students with a continued interest, will have the opportunity in 10th grade to visit the MCCC prior to selecting a shop.

Mercer County Career Center

Mercer County Career Center offers programming in technical and mechanical, professional, service, and production occupations to eligible high school students residing in Mercer County. Students who complete 9th, 10th or 11th grade may apply for admission to any MCCC program by submitting the MCCC Application for Admission. Please visit www.mercerccc.org, speak with your school Guidance Office, or call 724-662-3000 ext. 1070 to speak with our Marketing Coordinator for complete admission details. The desire to learn, a cooperative work attitude, and an ambition to engage in high-skill technical instruction are qualities needed to be a successful student in any of the programs. The technical course work includes cutting edge technologies with rigorous and relevant curriculum. This curriculum will prepare students, of all ability levels, to enter an occupation, a post-secondary school, or the military. Each student's pathway to success is unique. MCCC can help you explore that pathway. Students considering enrollment at MCCC need to consider a number of personal factors including; career interests, academic abilities, social maturity, and specific career aptitudes.

Earning College Credit at MCCC: Students can earn advanced placement at various post-secondary institutions by taking advantage of local articulation agreements established by MCCC or by accessing statewide articulation credits for eligible students.

Local Articulation Agreements: Agreements have been established with college and career schools throughout the region. Qualifying students have the opportunity to receive credits at specific institutions for learning achievements accomplished at MCCC. The number of credits awarded and specific requirements vary for each institution. Call the MCCC Guidance Office for the latest articulation information at 724-662-3000.

Statewide Articulation Agreements: MCCC strives to prepare students for college and careers in a diverse, high-performing workforce. MCCC courses that are considered a program of study (POS) course are eligible for statewide articulation agreements. These statewide articulation agreements are a partnership between secondary schools and post-secondary institutions throughout Pennsylvania. To view current statewide articulation agreements, go to the equivalency search results for PA Bureau of Career and Technical Education at the website www.collegetransfer.net.

MCCC Programs of Study Eligible for Statewide Articulation: Computer Information Technology, Culinary Arts, Early Childhood Education, Carpentry, Automotive Technology, Diesel Technology, Collision Repair and Refinishing, Welding, Health Care Careers, Logistics & Supply Chain Management, and Electrical Occupations.

Industry Certifications: Numerous certification opportunities exist for MCCC students. A certification is a business and/or industry documentation verifying skills and knowledge in a specific area of study. These certifications may become increasingly important for advancement within a career area.

Cooperative Education: Qualifying second and third-year students may wish to consider participating in the Cooperative Education program. The program provides students the opportunity to be employed in his/her area of vocational-technical study, while earning wages. This program is supervised by the MCCC Cooperative Education Coordinator. All MCCC courses are eligible for participation, but students need to meet specific requirements, apply, and be accepted into the program.

Cooperative Education guidelines established by the PA Department of Education and approved by the local area school districts will be followed.

The Diversified Occupations program is a one-year program offered to seniors only. The course is designed to combine classroom instruction with on-the-job training in a career area of the student's choice. This program integrates classroom studies in employability skills and consumer skills with planned, supervised, and practical work experience in a business setting. Students will develop personal initiative, learn to work with others and recognize the importance of an appropriate attitude and behavior for the occupation. This program is an option for seniors, who wish to study in a specific training area that is not represented at MCCC, or if the program is over-enrolled.

MCCC staff will work cooperatively with the Senior High school counselors to meet the needs of every student. Questions about specific programs of study at MCCC can be referred to the MCCC Marketing Coordinator at MCCC (724) 662-3000 ext. 1070

Automotive Technology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Automotive Technology allows students to perform a wide range of diagnostics, repairs, and preventative maintenance on automobiles and light trucks. Students will gain the technical knowledge and skills to obtain an entry-level position and/or pursue postsecondary education. The program's curriculum enables students to develop basic knowledge through classroom theory lessons and acquire a core set of technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes the diagnosis and testing of malfunctions in and repair of engines, fuel, electrical, cooling, steering, suspension and brake systems. Students also prepare to obtain certifications for PA Safety Inspection; Emissions Inspection; and Refrigerant, Recovery, and Recycling.

Industry Certifications

- Automotive Service Excellence (ASE): Brakes, Engine Performance, Engine Repair, Steering/Suspension
- Valvoline Motor Oil Certification
- Safety and Pollution Prevention (S/P2)

Carpentry

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Carpentry prepares students to obtain entry-level positions in the construction or wood industries, apprenticeships in trade unions, and/or to pursue enrolling in postsecondary institutions for degrees in construction, sales, or management. The program's curriculum enables students to develop a knowledge base through classroom theory lessons and acquire technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual/ group projects, and activities. The program's instruction includes units on safety, hand and power tools, blueprint reading, framing, interior and exterior finish, construction materials, measuring, estimating, and building codes. Students also study technical mathematics, residential steel-framing, and cabinetmaking.

Industry Certifications

- OSHA-10 Hard Construction Training
- PA Builders Association Certification
- Ladder Safety Certification
- Fork Truck Certification

Collision Repair & Refinishing

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Collision Repair and Refinishing prepares students to obtain an entry-level position in the collision repair/refinishing field and/or to pursue postsecondary education. The curriculum enables students to develop technical knowledge and skills through real world, hands-on shop experiences. The program will cover the entire repair and refinishing process from start to finish. The instruction will focus on key areas including workplace skills, safety techniques, vehicle design and construction, structural and non-structural repairs, industry related welding and fabrication, estimating, collision repair procedures, automotive painting, refinishing and detailing. Students will learn all these skills in a state-of-the-art shop with industry standard equipment. Students will be expected to read and understand complex instructions as well as using technology as an industry resource.

Industry Certifications

- PPG Blue Level Refinishing Technician
- iCAR (Multiple Certifications)
- Safety & Pollution Prevention (S/P2)

Computer Information Technology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Computer Information Technology prepares students to obtain entry-level employment and provides a foundation for post-secondary success. The curriculum enables students to develop a core set of technical skills by applying learned knowledge in hands-on lab experiences. The program will provide students experience in the administration and support of computer networks. These include user and group management, server security, network sharing, operating systems, user and workstation security, help desk support, computer repair, and remote access. Students will focus their study on network technologies, network devices, network management, tools, and security. Computer Information Technology students will be expected to read and interpret complex instructions, technical literature, and solve a variety of technical problems.

Industry Certifications

- TestOut PC Pro*
- TestOut Network Pro*
- TestOut Cyber Defense Pro*

* Preparation for CompTIA A+ and Network+

Computer Programming

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

The Computer Programming course focuses on the general writing and implementation of generic and customized programs that drive operating systems. This prepares students to apply the methods and procedures of software design and programming to software installation and maintenance. Computer Programming includes instruction in software design, low- and high-level languages and program writing, program customization and linking, prototype testing, troubleshooting, and related aspects of operating systems and networks. Students will study data types and expressions, designing functions, and graphic and image processing. As well as learn software development process.

Industry Certifications

- W3 Schools Python Programmer
- W3 Schools HTML Programmer

Cyber Security Academy

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

The Cyber Security Academy is a specialized program designed for students who wish to pursue a career as security analysts, ethical hackers and cyber security technicians. Students will complete two years of foundational learning in computer information technology and computer programming. Building on the foundational curriculum, students will be prepared to take the next step into the world of cyber security. Year three students in the academy will experience advanced training in protecting and defending digital systems. Students will explore crucial topics such as threat analysis, vulnerability assessment, cryptography, and incident response, with a strong focus on real-world applications. They'll learn to safeguard networks against cyber-attacks, detect and neutralize threats, and implement security protocols to protect data and systems.

Industry Certifications

- CyberDefense Pro Certification

Cosmetology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Cosmetology prepares students to become licensed cosmetologists in specialized and full-service salons. Students develop a knowledge base through classroom theory lessons while perfecting their clinical skills in the program's student-operated salon. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual and group projects, along with other activities. The programs instruction includes units on shampooing, conditioning, cutting and styling hair, chemical texture services, and hair coloring techniques. As well as hands on training offering facials, manicures, and pedicures. Personal safety, professionalism, and the sanitation and disinfection of equipment and facilities are emphasized. Students also study business management with a focus on managing a salon.

Industry Certifications

- PA State Board of Cosmetology License
- Safety & Pollution Prevention Cosmetology

Culinary Arts

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Culinary Arts prepares students to obtain entry-level employment within institutional, commercial, and independently owned food establishments. This program also provides a foundation for students who wish to pursue acceptance into a postsecondary culinary program. The program's curriculum enables students to develop knowledge through classroom theory lessons and acquire culinary skills by applying learned knowledge in the program's fully equipped commercial kitchen and dining room. Classroom lessons include lectures, reading and writing assignments, demonstrations, individual/group projects and activities. The program's instruction includes units on use and care of utensils, food preparation equipment, safety, sanitation procedures, nutrition basics, and recipe preparation. Students develop and practice skills through hands-on activities and experiences related to planning, selecting, preparing, and serving quality food and food products.

Industry Certifications

- ServSafe
- ProStart
- Safety and Pollution Prevention Culinary

Diesel Technology

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Diesel Technology prepares students to obtain entry-level employment and/or to pursue postsecondary education. The curriculum enables the students to develop basic knowledge through classroom theory lessons and acquire a core set of technical skills by applying learned knowledge in hands-on shop experiences. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes units on safety, diesel engine mechanics, suspension and steering, air/hydraulic brake systems, electrical and electronic systems, and preventive maintenance. Students develop skills for troubleshooting problems, disassembling, rebuilding and reassembling engines. Students apply principles to service electrical and electronic systems. There is also an emphasis on inspecting, repairing/replacing various systems' components, as well as performing preventive maintenance on

Industry Certifications

- Automotive Service Excellence
- OSHA-10
- Safety and Pollution Prevention Heavy Duty S/P2
- Multimeter NC3 Certification
- Certified Safety Inspector I

Electrical Occupations

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Electrical Occupations prepares students to apply technical knowledge and skills necessary to install, operate, maintain and repair many electrical systems. These include: electrically energized residential, commercial and industrial systems, AC motors, as well as controls and electrical distribution panels. Instruction emphasizes practical application of circuit diagrams and the use of electrical codes. In addition, the curriculum also includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Other critical components of the program are reading and interpretation of commercial/residential construction wiring codes and specifications, installation and maintenance of wiring, conduit hand and machine bending techniques along with service and distribution networks within large construction complexes.

Industry Certifications

- Fork Lift Certification
- Ladder Certifications
- OSHA 10
- Snap on Multimeter

Health Care Careers

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Health Care Careers prepares students to obtain entry-level positions in the health field and/or to pursue a postsecondary education. The program provides students with health career exploration activities, instruction of basic skills, and job shadow experiences. These activities are fundamental to all areas of health care. Students develop health care knowledge through classroom theory lessons while practicing health care skills in a laboratory setting. Classroom lessons include lectures, reading and writing assignments, demonstrations, and individual/group projects. The program's core instruction includes units on medical terminology, anatomy and physiology, basic clinical skills, aseptic techniques, OSHA regulations, and infection control.

Industry Certifications

- Certified Patient Care Technician
- American Heart Association Health Care Provider CPR with AED/First Aid/Pediatric First Aid
- OSHA-10 Health Care

Logistics – Material & Supply Chain Management

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Logistics and Materials Management is designed to prepare individuals for entry level employment in this industry. Students will learn and perform logistical functions associated with receiving, storing, and shipping goods along with forklift training. Other key components include learning various systems and record keeping for supply chain management.

Students with good attention to detail who enjoy a fast-paced, hands-on, physical workplace would be successful in this program. The curriculum provides instruction in the use of powered material, handling equipment, and OSHA safety and ergonomics. Supply chain management, automated inventory control systems, purchasing, receiving, order selections, packaging, and shipping methods are presented. Academic subjects include business mathematics and communication. The course includes job retention skills and customer relations.

Industry Certifications

- OSHA Career Safe
- MSSC – Certified Logistics Associate
- MSSC – Certified Logistics Technician
- Forklift Training

Service Occupations

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Service Occupations is an innovative program focusing on training students in a diverse array of skill sets in service-related employment areas. This program will provide students with the opportunity to explore careers in the personal services cluster and gain the employability skills needed for job placement. The Service Occupations curriculum encompasses the areas of workplace safety, grounds maintenance, cleaning practices, housekeeping, custodial and retail stock. Students learn hands-on skills while also focusing on workplace readiness, interpersonal skills, the ability to work independently and collaboratively and the development of good work habits. The students train in all areas of the curriculum with the intent of obtaining competitive entry-level employment. Students learn in an environment that fosters work ethic, competitive time on task and personal accountability

Industry Certifications

- Family & Consumer Sciences

Sports Medicine

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

The Sports Medicine program will prepare students to work in a variety of entry-level positions within the physical and occupational therapy occupations. Students will also have a solid educational base on which to build a post-secondary degree. The Sports Medicine program will prepare students with a strong foundation in the field of physical therapy, occupational therapy and sports medicine. Students will develop skills in prevention, recognition, assessment, management, disposition, and rehabilitation of injuries. Students will learn the principles of designing exercise programs for healthy individuals and those who are in a rehabilitation phase after an accident or injury.

Industry Certifications

- ASCM Certified Personal Trainer
- CPR/First Aid/AED
- Bloodborne Pathogens

Welding

Grades: 10, 11, or 12
Length: 36 weeks
Credits: 3.0

Welding prepares students to obtain entry-level employment as a welder or any welding-related position in both large and small companies. It also allows the student to pursue enrollment in a postsecondary program, such as welding engineering or metallurgy. The program's curriculum enables students to gain a knowledge base through classroom theory lessons. Program activities allow students to put their classroom learning into hands-on practice of technical skills. Classroom lessons include lectures, reading and writing assignments, and demonstrations. The program's instruction includes units on safety practices, gas cutting and welding, arc welding in various positions, and types and uses of electrodes and welding rods. Students also learn to fabricate and join metal parts according to diagrams, blueprints, and specifications.

Industry Certifications

- American Welding Society - AWS
- OSHA-10

NCAA Eligibility

The NCAA Eligibility Center will certify the academic and amateur credentials of all college-bound student-athletes who wish to compete in NCAA Division I or II athletics. The student-athlete is responsible for making sure they have taken the required approved core courses, the correct number of credits, has the minimum GPA and test scores to be NCAA eligible.

www.eligibilitycenter.org

CORE COURSES

- Check the approved courses from the program of studies to make certain that the courses you have taken are included on the list.
- 16 core courses are required for NCAA Division I eligibility. A GPA of 2.3 or above is required.
- 10 courses are required to be met before the beginning of the senior year for Division I.
- 16 core courses are required for NCAA Division II eligibility. A GPA of 2.2 or above is required.

DIVISION I (16 Core Courses)

- 4 years of English
- 3 years of Mathematics (Algebra I or higher)
- 2 years of Natural/Physical Science (1 year of lab preferred)
- 1 year of additional English, math or natural/physical science
- 2 years of Social Science
- 4 years of Electives (languages, areas listed above, or comparative courses that are approved)

DIVISION II (16 Core Courses)

- 3 years of English
- 2 years of Mathematics (Algebra I or higher)
- 2 years of Natural/Physical Science (1 year of lab preferred)
- 3 years of additional English, math or natural/physical science
- 2 years of Social Science
- 4 years of Electives (languages, areas listed above, or comparative courses that are approved)

GRADE-POINT AVERAGE

Refer to the NCAA Eligibility Center Quick Reference Guide to see all information about Grade Point Average, Test Scores, and Core Courses.

TEST SCORES

Please refer to the NCAA Eligibility Center Quick Reference Guide for test scores and GPA requirements for both Division I and Division II schools. Students are responsible for sending their scores directly to the NCAA from the respective testing agency.

Guide for the College-Bound Student Athlete

Division I Academic Standards

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet all the following requirements:

NCAA DIVISION I

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester. Once you begin your seventh semester, any course that is needed to meet the 10/7 requirement cannot be replaced or repeated.

10/7 requirement: 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

» Students with solely international academic credentials (including Canada) are not required to meet the 10/7 requirement.

The Eligibility Center will use the best combination of core courses to meet the 10/7 requirement. Courses can be repeated or replaced if they are not needed to meet the 10/7 requirement.

3. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

How to plan your high school courses to meet the 16 core-course requirement: 4 x 4 = 16

9th GRADE	10th GRADE	11th GRADE	12th GRADE
(1) English	(1) English	(1) English	(1) English
(1) Math	(1) Math	(1) Math	(1) Math
(1) Science	(1) Science	(1) Science	(1) Science
(1) Social Science and/or other	(1) Social Science and/or other	(1) Social Science and/or other	(1) Social Science and/or other
4 CORE COURSES	4 CORE COURSES	4 CORE COURSES	4 CORE COURSES

Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet all the following requirements:

DIVISION II

MAKE IT YOURS

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

What If I Don't Meet Division II Standards?

If you have not met all the Division II academic standards, you may not compete in your first year of full-time enrollment at a Division II school. However, you will be deemed a partial qualifier. All Division II partial qualifiers may practice and receive an athletics scholarship, but may NOT compete, during their first year of full-time enrollment.

Division II Worksheet

Use the **Division II Worksheet** to assist you in monitoring your progress in meeting NCAA initial-eligibility standards. The Eligibility Center will determine your academic status after you graduate. Remember to check **your high school's list** of NCAA-approved core courses for the classes you have taken or plan to take.

ACADEMIC CERTIFICATION DECISIONS

Academic certifications are required for all college-bound student-athletes planning to compete at an NCAA Division II school. If you're being recruited by a Division II school, below are the most common decisions you may receive once a certification has been completed.

EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

PARTIAL QUALIFIER

You may practice and receive an athletics scholarship, but may NOT compete, during your first year of full-time enrollment.

Plan Ahead Sheet

Use the chart below to plan your four years of high school. Review the graduation credit requirements, select your courses, and decide when to take them. Track the credits you've earned and plan to earn to ensure you meet the 26-credit graduation requirement. Talk with your counselor for guidance, and involve your parents or guardians early in the planning process.

Note: All courses are available to students who meet the prerequisites.

SUBJECT FIELD	9TH	10TH	11TH	12TH	REQUIRED CREDITS
English					4.0
Social Studies					4.0
Mathematics					4.0
Science					3.5
Phys. Ed.					1.5
Health					0.5
Financial Literacy					.5
Elective (Required Minimum)					8.0
Elective (Additional)					
Total					**26**