PLYMOUTH HIGH SCHOOL

COURSE OFFERINGS 2026-2027

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PLYMOUTH HIGH SCHOOL
419-687-8200

www.plymouthshilohsd.org

Michael Martin	**-Principal**
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Megan Bard	**-Secretary**
Josh Calame	**-Athletic Director**

Introduction

The information in this booklet is very significant in planning your education future. The teaching staff, guidance counselors, and administration have prepared this booklet to assist you in better understanding the course offerings and academic opportunities available at Plymouth High School. Making rational course selections is an important responsibility and should not be taken lightly. Seek input from parents, teachers, and counselors to better enable you to make the right choices. Read and study all of the information on the following pages carefully before making your selections. Remember, the final decision is yours. It is your responsibility to make accurate, realistic, and beneficial plans for your high school years.

Course offerings at Plymouth High School are developed with a focus on content standards and academic skills assessed by the End of Course Exams, college readiness standards, as well as meeting student needs and interests.

If you have any questions regarding course offerings or scheduling, please contact the guidance office.

The education programs and activities of the Plymouth High School are available to students without regard to race, color, national origin, sex, or handicap. Discrimination complaints should be brought to the Board of Education Office, 365 Sandusky St., Plymouth, OH 44865, or by phone 419-687-8200. Fax 419-687-1541.

Disclaimer- All of the listed information was accurate at the printing of this booklet. The Ohio General Assembly and the Ohio Department of Education continue to review new policies regarding student testing, diplomas and graduation. Please visit the following website for the most updated information: http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements

Students: SELECTING COURSES TO ACHIEVE YOUR GOALS

Students, families, and faculty should plan together the courses for next year. Each student should seriously consider the type of high school program he or she desires.

This guide has been prepared to assist you in selecting a program of study for your years at Plymouth High School and to acquaint you with the variety of available programs.

Properly selected courses will help you gain satisfaction and happiness in your high school career. The time to plan for any important endeavor is before it begins. The following information will help you select an appropriate program of study:

1. Review thoroughly the courses available at Plymouth High School.

2. Consider your interests and try to take courses that will help you increase your knowledge in your interest areas.

3. Consider the grades you have earned in the past.

4. Consider how hard you have tried to succeed in your schoolwork before you decide upon the type of course you take.

5. Consider the basic courses that must be taken to meet minimum graduation requirements.

6. Consider the courses required by the type of post-high school education you may undertake.

7. Discuss courses with teachers during scheduling.

Proper registration will lead to a meaningful high school experience.

SCHEDULING PROCEDURE AND STUDENT LOAD

Students and parents should read and study all of the information in the registration booklet before making course selections. Try to develop a total picture of your long term objectives as you develop your schedule.

A basic orientation of the material in this booklet has been presented to students by the guidance counselors in seminars at the high school and middle school.

REMEMBER: Your schedule must involve at least six periods of classes each semester. After **you and your parents have signed the registration sheet**, you need to bring it to your High School English teacher for final processing. Eighth graders (incoming freshmen) need to attend a scheduling meeting.

REGISTRATION AND SCHEDULE CHANGES

1. Each student must schedule at least six periods of classes each semester.
2. If a student fails a course or falls behind in credits, it is his/her responsibility to make up the deficiency as soon as possible.
3. Dropping a yearlong course after ten school days will result in a "drop F" and will be averaged into the grade point average. Dropping any semester course after five school days will also result in a "drop F" and will be averaged into the grade point average. A parent-teacher contact must be made and all options explored before the course will be dropped. A signed form from the parent giving permission for the course to be dropped with an "F" will conclude the process. Adding a year-long course must occur before the 10th school day at the beginning of the school year (or after the 5th day of the second semester for a ½ credit.

ROUTES TOWARD GRADUATION Students must meet minimum state and local requirements in all programs.

A. **College Preparatory** – 4 credits of English including composition, 3 credits of science (2 lab courses), 3 credits of social studies, 4 credits of math (Algebra I, Algebra II, Geometry, and an additional unit of math), 2 to 3 credits of foreign language, and one credit of a visual and performing art. A math course is strongly encouraged in your senior year. These guidelines come from the college preparatory program recommended by the Ohio Board of Regents. (2014 graduates and beyond – see page 7)

B. **Vocational/Career Center** – Pioneer Career & Technology Center is an option for students after two years of high school. Students can also choose Pioneer in their senior year in one of several Work-Study programs. In preparation for attending Pioneer, a student should make every attempt to pass all needed requirements in the 9th and 10th grade. Pioneer courses are as follows:

Available at Pioneer Career & Technology Center – Shelby

* Automotive Technology
* Carpentry
* Collision Repair
* Cosmetology
* Criminal Justice
* Culinary Arts
* College Now (Engineering) PCTC & NCSC (Kehoe Center)
* College Now (Business Admin.) PCTC & NCSC (Kehoe Center)
* Cyber Security
* Dental Assisting
* Electrical Trades
* Exercise Science/Sports Medicine
* Early Childhood Education
* Meat and Animal Science
* Graphic Arts
* Engineering Design Technology
* Health Assistant
* Home Remodeling
* Horticulture
* I.T. Support

* Industrial Electrical Technician (Kehoe Center)
* Industrial Diesel Mechanics
* Masonry Trades
* Media Communications
* Medical Assisting
* Medical Technology (Health Academy)
* Performing Arts
* Power Equipment Mechanics
* Precision Machining Technologies (Machine Trades)
* Welding
* Teaching Profession (Satellite)

Pioneer students are committing to a minimum of 5 days attendance at Pioneer and must meet with the Principal and Counselor to discuss the possibility of returning to Plymouth High School.

Plymouth students may still participate in College Credit Plus through Pioneer.

See your Pioneer counselor for brochures describing each vocational/career program.

MINIMUM GRADUATION REQUIREMENTS –

A series of end-of-course exams in core high school subjects are required, including English II; Algebra I; Geometry; Biology; American History; and American Government.

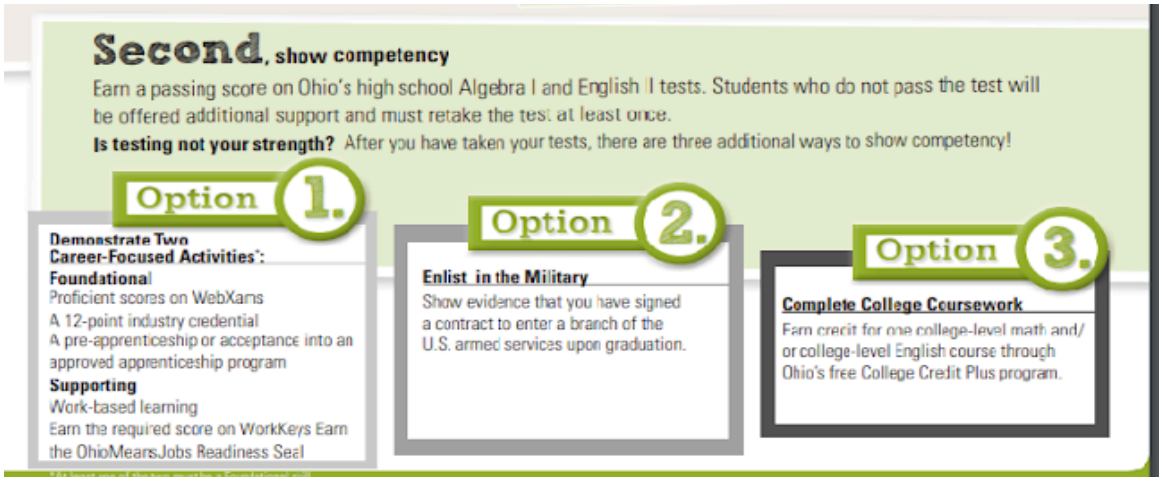
Plymouth High School Graduation Requirements: Total credits = 22

1. English – **four** credits
2. Math – **four** credits (must include 1 credit of Algebra II or its equivalent)
3. Science – **three** credits (must include 1 Biology, 1 Physical & 1 Advanced credit of either)
4. Social Studies – **three** credits
5. Health – **one half** credit
6. Physical Education – **one half** credit
7. Fine Arts – **one** credit
8. Financial Literacy- (The class of 2026 and beyond)- **one half** credit
9. The remaining credits to meet the required 22, 5 must be from foreign language, fine arts, business, career-technical education, family & consumer sciences, technology, agriculture education or additional units beyond requirements from English, math, science, or social studies.

Credits needed for class standing:

Sophomore = 5 Junior = 11 Senior = 16

***Requirements for the Class of 2023 and Beyond**



State Defined Diploma Seal	Requirements
Ohio Means Jobs Readiness Seal	Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies.
Industry-Recognized Credential Seal	Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its regions.
College-Ready Seal	Earn remediation-free scores on the ACT or SAT. ACT minimum score of English-18, Reading-22, Math-22
Military Enlistment Seal	Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or Participate in an approved JROTC program.
Citizenship Seal	A student can: 1. Earn a score of proficient or higher on both the American history and American government end-of-course exams; 2. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams; or

	3. Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program.
Science Seal	A student can: 1. Earn a score of proficient or higher on the biology end-of-course exam; 2. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams; or 3. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program.
Honors Diploma Seal	Earn one of six Honors Diplomas outlined below: 1. Academic Honor Diploma 2. International Baccalaureate Honors Diploma 3. Career-Tech Honors Diploma 4. STEM Honors Diploma 5. Arts Honors Diploma 6. Social Science and Civic Engagement Honors Diploma

Technology Seal	A student can: 1. Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate exam; 2. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program; or 3. Complete a course offered through the district or school that meets guidelines developed by the Department. (A district or school is not required to offer a course that meets those guidelines.) **Pioneer Courses Qualifying for the Technology Seal:** Engineering Design Tech Industrial Electric Welding Precision Machine IT Support Web Page Design Computer Art & Design (two semester classes) Media Communications Graphic Arts Drone Class Microsoft Office

Plymouth High School and Pioneer Career Technology Center Locally Defined Graduation Seals – Class of 2023 and Beyond

Graduation Seal	ODE Guidelines	PHS Requirements
Community Service Seal	Complete a community service project aligned with the guidelines adopted by the student's local board of education or school governing authority.	● Complete 120 hours of community service between July 1 of grade 9 and May 1 of grade 12. ● All community service hours must be pre-approved by the guidance office and administration. ● Hours completed at PCTC will be included in the 120 hour total.
Fine and Performing Arts Seal	Demonstrate skill in the fine or performing arts according to an evaluation aligned with guidelines adopted by the student's local board of education or school governing authority.	● Complete a minimum of 6 credits of fine arts as offered through Plymouth High School. ● Or students completing four courses at PCTC in the areas of Performing Arts, Graphic Arts, Culinary Arts or Media Communications. (6 credits/900 hours)
Student Engagement Seal	Participate in extracurricular activities such as athletics, clubs or student government to a meaningful extent as determined by guidelines adopted by the student's local board of education or school governing authority.	● Complete a minimum of 10 sponsored extracurricular activities in good standing sponsored by the Plymouth-Shiloh Local School Board and PCTC. ● Athletics, Athletic Team Manager, Pep Band, Marching Band, Jazz Band, Drama Club, Art Club, Spanish Club, History Club, FFA, Academic Challenge, National Honor Society, E-Sports, FCCLA, Student Council/Class Officer, Yearbook, PRIDE, Choir ● PCTC – Student Council, National Technical Honor Society, Career-Tech Student Organization Competitor, CTSO Chapter Officer, CTSO Stator or National Officer, Mock Trial Participant

Record Ohio Core Curriculum

Name_____Date of Birth_____Class_____

SUBJECT	CREDIT	9th	10th	11th	12th
English (4)					
Math (4) (Alg. II/Equivalent)					
Science (3) (1Bio/1Phys/1Advanced)					
Social Studies (3) **Am. History** **Govt/Economics**					
Phys. Ed. (1/2)					
Health (1/2)					
Fine Arts (1)					
Financial Literacy (class of 2026 and beyond, ½ credit class, 1 semester)					
Electives-(6) FL,FA,BUS,CAREER, FCCLA,TECH,AGRI OR ADDITIONAL CORE ACADEMICS					
Yearly Totals					
Running Total					

Total credits needed – 22

<u>If You are a High School Parent</u>

What tests will your child take between now and Graduation

		ENGLISH II	ALGEBRA I	GEOMETRY	BIOLOGY	AMERICAN HISTORY	GOVT.
CLASS OF 2023 and Beyond		X	X	X	X	X	X

GRADING SYSTEMS

Distinguished Scholar System

- Students completing all high school accredited, college credit plus, and vocational courses with a cumulative grade point average (GPA) of 3.8 on a 4.0 scale;
- Students must complete a minimum of six (6) college credit plus courses;
- Students must complete a minimum of two (2) college credit plus courses during their senior year
  and
- Students who successfully fulfill the above criteria and earn the highest grade point average in their class will earn the designation of Valedictorian, while the next highest grade point average will be designated Salutatorian.

In the event that the above criteria are not met, there will not be a Valedictorian or Salutatorian designation awarded.

Beginning with the class of 2019, the following designations will also be instituted for students who achieve the following GPA's:

- Summa Cum Laude will be assigned to GPA's of: 3.9 – 4.0
- Magna Cum Laude will be assigned to GPA's of: 3.7 – 3.899
- Cum Laude will be assigned to GPA's of: 3.5 – 3.699

Summa Cum Laude recipients will dawn a stoll;
Magna Cum Laude recipients will dawn a stoll; and
Cum Laude recipients will dawn a braided cord.

The designations of Summa, Magna, and Cum Laude will be determined based on the final GPA obtained at the end of the fourth nine weeks of the year in which the student has been approved for graduation by the Board of Education

TYPES OF DIPLOMAS:

Under current law, there are two types of diplomas which may be issued to Ohio high school graduates: the "**regular**" diploma will be issued to any student who has successfully completed the high school curriculum and have met End of Course Testing criteria and Graduation Pathways. An "**honors**" diploma will be issued to any student who has successfully completed the high school curriculum, who have met End of Course Testing criteria and Graduation Pathways, and who also satisfies other criteria established by the State Board of Education.

https://education.ohio.gov/getattachment/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2014-2017/Criteria-for-Diploma-with-Honors/Honors-Diploma-Revised-Grid.pdf.aspx

HONORS DIPLOMA (classes of 2026 and beyond)

Students must meet all but one of the following criteria.

Math	Fourth math must be > Algebra 2
Science	One additional unit Advanced Science
Social Studies	One additional unit Social Studies
World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal
Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

*Students can use OMJ Readiness Seal in 2 additional seals requirement if it is not used in Experiential Learning.

Student Strength Demonstration Replacement
Students can use the Student Strength Demonstration to replace one of either the **ACT/SAT, GPA *or* World Language** requirement for any Honors Diploma. The Student Strength Demonstration options are listed below. The same options exist for each of the six honors diplomas* but, where relevant, should reflect coursework or experiences relevant to the theme of the Diploma. For example, a student earning the Academic Honors Diploma and using the College Credit Plus option to replace another requirement for the diploma should have College Credit Plus courses relevant to the Academic Honors diploma.

OPTIONS:

- College Credit Plus: 12 total College Credit Plus credit hours
- Advanced Placement: three courses with score of 3 or higher on AP tests
- Career-Technical Assurance Guide (CTAG): 12 total credits
- Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18
- WorkKeys: Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma)
- Armed Services Vocational Battery: Score of 50 or above on the ASVAB
- Work-Based Learning: 250 total hours of work-based learning

Department of Education & Workforce

Education.Ohio.gov

Mike DeWine, *Governor* Jon Husted, *Lt. Governor* Stephen D. Dackin, *Director*

Ohio High School Honors Diplomas

Students must meet **all but one** of the listed criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met. Each of these criteria go beyond the standard course requirements for a diploma, which can be found here. Students may replace any of the **blue** options with a "Student Strength Demonstration."

Requirements	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma	Social Science & Civic Engagement Honors Diploma
1.	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2
2.	1 additional unit of Advanced Science[2]	1 additional unit Advanced Science[2]	Proficient pathway score on WebXams[3]	1 additional unit Advanced Science[2]	4 units fine arts	2 additional units Social Studies
3.	1 additional unit of Social Studies	1 additional unit Social Studies	4 units of Career-Tech Courses	2 units of additional STEM Courses as electives	Electives - 2 Units of Fine Arts (may overlap with general 4 units)	Meet the requirements to earn the Citizenship Seal
4.	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	2 units of one world language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
5.	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
6.	27 ACT/1280 SAT[6]	27 ACT/1280 SAT[6]	27 ACT/1280 SAT[6]/ WorkKeys[5]	27 ACT/1280 SAT[6]	27 ACT/1280 SAT[6]	27 ACT/1280 SAT[6]
7.	Earn 2 additional diploma seals, *not including the Honors Diploma Seal	Meet requirements to earn the Seal of Biliteracy	Meet the requirements to earn the Industry-Recognized Credential Seal or Technology Seal	Meet the requirements to earn the Industry-Recognized Credential Seal or Technology Seal	Meet the requirements to earn the Fine Arts Seal	Meet the requirements to earn the Community Service Seal
8.	Meet requirements of one of the Experiential Learning options[4]	Meet requirements of one of the Experiential Learning options[4]	Meet requirements of one of the Experiential Learning options[4]	Meet requirements of one of the Experiential Learning options[4]	Meet requirements of one of the Experiential Learning options[4]	Meet requirements of one of the Experiential Learning options[4]
Substitution	Students may replace one of the blue options with a "Student Strength Demonstration"[1]	Students may replace one of the blue options with a "Student Strength Demonstration"[1]	Students may replace one of the blue options with a "Student Strength Demonstration"[1]	Students may replace one of the blue options with a "Student Strength Demonstration"[1]	Students may replace one of the blue options with a "Student Strength Demonstration"[1]	Students may replace one of the blue options with a "Student Strength Demonstration"[1]

Students may replace **one** of the options in "Blue" (options 4, 5, or 6) with a "Student Strength Demonstration"[1]

Ohio High School Honors Diplomas

NOTES:

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

[1] Students can use the Student Strength Demonstration to replace one of **ACT/SAT, GPA *or* World Language** requirement for any Honors Diploma.

College Credit Plus: Earn 12 college credits through the College Credit Plus program
Advanced Placement: Complete three advanced placement (AP) courses with score of 3 or higher on the corresponding AP tests
Career-Technical Assurance Guide (CTAG): Earn 12 articulated college credits through CTAGs
Apprenticeship/Pre-Apprenticeship: Complete an apprenticeship registered with the Ohio state apprenticeship council; complete a pre-apprenticeship program recognized by the Ohio state apprenticeship council; or submit evidence of acceptance into an apprenticeship if the program requires applicants to be 18 or older to enroll
WorkKeys: Earn a score of 6 or higher on all three sections of the WorkKeys test (Note: Students seeking the Career-Tech Honors Diploma may only use this demonstration as a substitute for the World Language criteria. This demonstration may not be used as a substitute for the GPA and ACT or SAT Score criteria for purposes of the Career-Tech Honors Diploma.)
Armed Services Vocational Aptitude Battery (ASVAB): Earn a score of 50 or above on the ASVAB.
Work-Based Learning: Complete 250 total hours or more of work-based learning.

[2] Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio's Learning Standards for Science.

[3] Student must achieve a cumulative score of proficient or higher on the technical assessments aligned to their program. Technical assessments may include: WebXam test, industry recognized credentials in lieu of WebXam test, and College Credit Plus Career Technical Education course grades.

[4] Students can satisfy the experiential-learning requirement by completing or attaining one of the following options: field experience and portfolio, OhioMeansJobs Readiness Seal, or work-based learning.

[5] Students using WorkKeys to satisfy this assessment requirement must earn a score of six or higher on all three sections of the WorkKeys assessment (Graphic Literacy, Workplace Documents, and Applied Mathematics). The WorkKeys option applies only to the Career Tech Honors Diploma.

[6] Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the required scores.

GRADUATION CEREMONY

Only those students who are currently enrolled, attending, and eligible to receive a diploma may take part in the graduation ceremony. Seniors eligible for a diploma must also complete all obligations (fees paid, equipment returned, textbooks returned, tuition paid, discipline served, etc.) and **attend graduation practice** in order to participate in the graduation ceremony and receive a diploma.

GRADING SCALE

A+	99-100	D+	68-69
A	92-98	D	62-67
A-	90-91	D-	60-61
B+	88-89	F	0-59
B	82-87		
B-	80-81		
C+	78-79		
C	72-77		
C-	70-71		

CREDIT FLEXIBILITY POLICY

Credit Flexibility is any alternative coursework, assessment, or performance that demonstrates proficiency needed to be awarded equivalent graduation credit as approved by the school district. Approved credit awarded through this policy will be posted on the student's transcript and counted as a required graduation credit in the related subject area or as an elective.

The following are ways in which aspects of learning can be customized based on students' interests and needs:

- Coursework (Notification Deadline: March 31st);
- Dual credit and/or College Credit Plus (Notification Deadline: April 1st);
- Online coursework (Notification Deadline: March 31st);
- Proficiency by testing out (Application Deadline: May 15th for testing out by August 15th for a full or first semester course; Application Deadline: November 15th for testing out by January 15th for a second semester class);
- A performance and/or project based assessment and an examination; or
- An independent study (e.g., distance learning, educational travel, an internship, community service project, driver's education training course etc.) (Notification Deadline: March 31st).

COLLEGE CREDIT PLUS (CCP)

A Guide to College Credit Plus for Students & Families

Ohio's College Credit Plus can help you earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university College Credit Plus is free. That means no cost for tuition, books or fees. If you choose to attend a private college or university, you may have limited costs. Intent to participate in the CCP program must be made in writing by **April 1st**.

Your high school may have an agreement with a local college for specific courses, however, you can choose to take college Credit Plus courses from any college that offers a course that would benefit your future. This could include online courses. To learn more about College Credit Plus, please visit Ohio High Ed's College Credit Plus webpage (https://www.ohiohighered.org/ccp). Also, check colleges of interest with instructions on application, grades and testing requirements.

Classes failed or withdrawn with an "F" will receive an "F" on the high school and college transcripts and will be computed into the high school and college GPA. If you do not receive a passing grade, the district will seek reimbursement for the amount of state funds paid to the college on your behalf for that college course. The school district may withhold grades and credits received for high school courses taken until reimbursement has been made.

COLLEGE CREDIT PLUS
PLYMOUTH-SHILOH SCHOOLS
SAMPLE PATHWAYS

A student does not have to follow these pathways; it is a sample. Other pathways are outlined on the colleges' application pages. For O.S.U. click on "Pathways." For NCSC click on "Find your Path." Pathways can include on-campus, on-line, and home school college courses.

These pathways are designed for a student who wishes to complete General Educational Requirements toward a Bachelor's Degree.

All courses are 3 semester hours unless noted.

NCSC (FALL SEMESTER)
English 1010
Math 1110 (4 hrs.)
Biology 1710 (3 hrs.)
History 1010

NCSC (SPRING SEMESTER)
English 1030 (3 hrs.)
Math 1130 (4 hrs.)
Philosophy 1010 (3 hrs.)
Politics 1010 (3 hrs.)

(SAMPLE PATHWAYS CONT.)

OSU (FALL SEMESTER)
30-credit pathway, non-STEM students
English 1110 – First Year English Composition
Psychology 1100 – Introduction to Psychology
Statistics 1350 – Elementary Statistics
Art 2100 – Visual Studies: Beginning Drawing
Spanish 1103 – Spanish III (4 hrs.)

OSU (SPRING SEMESTER)
Biology 1101 – Introductory Biology (4 hrs.)
History 1151 – American Civilization to 1877
Sociology 1101 – Introductory Sociology
English 2201 – Selected Works of British Literature - Medieval through 1800
Philosophy 1101 – Introduction to Philosophy

*STUDENTS MUST MEET COLLEGE READINESS STANDARDS IN SUBJECT AREAS.
**STUDENTS MUST MEET ANY PREREQUISITES OR PLACEMENT CRITERIA FOR EACH COURSE SET FORTH BY THE COLLEGE.

COLLEGE TESTING

Plymouth High School Six-Digit code number is 364230.

A.C.T. (Assessment Dates and Deadlines)
***(On-line registration preferred at www.act.org) Register through "My ACT" account.**

Test Application Deadlines are approximately one month before the testing date.

Testing months are; September, October, December, February, April, June and July

Check dates and deadlines on ACT.org or My ACT Account.

S.A.T. I and S.A.T. II (Assessment Dates and Deadlines)
***(On-line registration at Collegeboard.org)**

P-S.A.T/ N.M.S.Q.T- (Juniors) will be taken in October per request

College & Career Readiness- A.C.T.- Taken in February or March by any Junior, free of charge for those wishing to participate in the state wide testing.

ATHLETIC ELIGIBILITY

In order to be eligible in grades 9-12, a student must currently be enrolled and must have been enrolled in school the immediately preceding grading period. During the preceding grading period, the student must have received passing grades in a minimum of five one-credit courses or the equivalent. Additionally, students are to maintain a 1.5 grade point average each grading period and have no more than one "F."

A student enrolled in the first grading period after advancement from the eighth grade must have passed five of all subjects carried the preceding grading period in which the student was enrolled. The student cannot have more than one "F" during that eligibility period.

Plymouth High School and Shiloh Middle School athletes are subject to the provisions of the Plymouth-Shiloh Local Schools' Athletic Handbook. Every participant, accompanied by their parent or guardian, shall be provided with a handbook at a mandatory meeting which is held prior to the start of each sport season. Until this obligation is met, student athletes will be denied participation. District and individual sports expectations will be provided by the athletic department and its coaches.

Questions about eligibility should be directed to the Athletic Director.

NCAA Initial-Eligibility Center

All students initially enrolling at an NCAA Division I or II institution can have their initial eligibility status determined only by the eligibility center. The requirements for the initial eligibility certification are:

1. Register with the eligibility center by completing student-release form by going online. http://eligibilitycenter.org
2. Provide two copies of student-release form to high school counselor.
3. Request that test scores be sent to eligibility center (Mark #9999 for A.C.T. or S.A.T.). The address is: NCAA Eligibility Center. P.O. Box 7136, Indianapolis, IN 46207. Telephone: 877-262-1492.
4. Graduate from high school.
5. **Note: 16 core curriculum courses are needed for eligibility.**

ACADEMIC LETTER

All students who have a combined 3.5 grade point average after the first three grading periods will receive an Academic Letter. The three grading period averages added together and divided by 3 must total at least 3.50 and may not be rounded from a figure such as 3.49. Semester exam grades and averages are not included in determining the average. A student who qualifies for a second or third Academic Letter will receive a second or third year pin. Any student who qualifies for a letter all four years will receive a plaque.

GRADE CARDS

Students receive report cards at the end of each nine weeks' grading period. Progress Book – Plymouth's internet based electronic student progress and grade reporting communication system is the main method of reporting student progress to the family and student. Major benefits to this system include daily or weekly family access to monitor and support student academic success.

THE HONOR AND MERIT ROLLS

Students achieving academic success are recognized at the end of each grading period through honor and merit rolls. Following are the requirements for the honor and merit rolls:

1. The standards for the Honor Roll are 3.50 average, with no grade lower than a B.
2. The standards for the Merit Roll are a 3.00 average, with no grade lower than a C.
3. Grades from non-academic subjects (band or physical education) are used in computing averages.

NATIONAL HONOR SOCIETY

Qualified students are selected for National Honor Society (NHS) for membership by a majority vote of the Faculty Advisory Board on the basis of academic excellence (grades as well as attitudes within the classroom), community involvement, integrity, and student involvement (school activities).

To be eligible for consideration, a student must accomplish the following:

1. Earn a minimum 3.3 grade point average on a 4.0 scale.
2. Participate in three or more school activities (sports and/or clubs or organizations) since the June following their eighth grade year.
3. Complete and return to the chapter adviser an activity sheet providing evidence of a minimum of 50 hours of service for junior applications or 75 hours for senior applicants since the June following their eighth grade year.
4. Have a class standing of a junior or of a senior.

We strongly encourage every student to consider the qualities of the National Honor Society as a goal and to strive each day to embody them.

ABOUT SCHOOL PROGRESS

Families may initiate a conference with the teacher, counselor, or principal at any time regarding the progress of their student(s). It is suggested that you call in advance to set up an appointment in order to guarantee the availability of the counselor, teacher, or administrator. All conferences would be designed to bring together school personnel and parents so that each may contribute information which will be helpful to the student's continual academic and social growth. Families are encouraged to contact the school at any time to review student progress and/or plan for the future of their student(s). As a first step, it is recommended that the student's teacher be contacted.

PLYMOUTH-SHILOH LOCAL SCHOOLS WEBSITE: https://www.plymouthshilohsd.org

The Plymouth-Shiloh Local School District is utilizing a web-based electronic grading system entitled **ProgressBook**, for grades 2-12. One of the major goals in implementing ProgressBook is to increase communication between parents and teachers.

Through the Parent Access Feature of ProgressBook, parents will have access to their student's progress, homework assignments, daily attendance, and view messages from our staff.

The following instructions will log you on and give you access to your child's performance:

Using **Internet Explorer** (version 5.0 or later), enter the following URL
https://pa.noeca.org/district

1. Add this website to your Favorites list on your computer for future use.

2. Locate and click on the Plymouth Viking icon.

3. You will be requested to enter a Username and Password. To gain access to student progress for your student, please enter the following:

4. Username: *student username* (will be provided for you) (the number zero (0) follows the letters; if you enter the letter "O" the username will not work)

5. Password: *student password* (will be provided for you)

Once you have successfully entered your login, you will be able to perform additional tasks that will simplify future logins. You will be able to enter contact information specific to your account (email address), change your password to something more meaningful, and if you have more than one child in the district, link additional children to your account.

We are very excited to participate in Parent Access for grades 2-12. If you have any questions, please feel free to contact the high school at 419-687-8200.

COURSE OFFERINGS

ENGLISH

English I **One Year** **1 Credit**
Prerequisites: 8th grade English

English I is taught thematically. Various themes will be touched on throughout the year. Within these thematic units, various works of fiction and non-fiction from around the world will be read. Also while reading, literature specific terms will be examined as to how they pertain to the text. Students will also be introduced to the concept of essay writing including a thesis statement and supporting evidence. Speaking skills will be developed further through group work and group and individual presentations. There will be a focus on proper grammar and reading for pleasure as well. Through this class student organizational skills will also be sharpened. Students may be expected to purchase paperback books for this class. A class folder or binder and notebook will be required.

English II **One Year** **1 Credit**
Prerequisites: English I

English II is taught using a thematic approach. The thematic units will vary from author to genre and type of writing groupings. Students will be expected to work independently and within group settings to create projects and present these projects related to the units, topics, or principles being covered. Students will also focus on proper grammar, punctuation, and spelling skills throughout the course. Research will be explored and students will build upon the skills they acquired in English I. Writing assignments will vary and may include: personal reflections, compare and contrast essays, poetry, essay/research writing, and persuasive writing.

Honors English I & II **One Year** **1 Credit**
Prerequisites: Completion of previous English with a B- or higher or a teacher recommendation.
Completion of a summer assignment with a passing score.

Honors English I & II is taught using the same principals as English I & II, but in a more in-depth and faster pace. Students will be expected to do more outside work and/or in class work. Students will also be expected to participate in class discussions on literature. The summer assignment will consist of reading one or two novels (per teacher discretion), writing assignment(s) connected to the novel(s), and a personal profile assignment. Other project(s) may also be assigned.

English III **One Year** **1 Credit**
Prerequisites: Successful completion of English II

English III is a course designed for high school juniors that uses a historical approach for students to expose students to literature. The course focuses on the foundations of American literature, argument and rhetoric, and drama. Students engage in a variety of learning experiences: writing, research, oral presentations, group work, and independent study. Vocabulary words, ACT words, and word study skills are emphasized, examined, and applied.

English IV **One Year** **1 Credit**

Prerequisites: Successful completion of English III

English IV explores the history of the English language from Anglo-Saxons through Shakespeare and beyond. This course is designed to prepare students for the literary and communication demands of two or four- year college degree programs and/or for the workplace. Composition is also addressed through several forms of writing, including essays, technical writing, correspondence and research.

College Composition I (CCP 1010) **One Semester (3 sem. hrs.)** **1 Credit**
Prerequisites: Must meet CCP requirements.

Students read various academic and literary essays and write summaries, responses, and essays. Students learn to organize research projects, find and evaluate sources, and incorporate ideas and quotations from academic texts. Students will document their sources in MLA style, and revise effective, coherent papers in order to create a portfolio of written work. Students will earn three (3) credit hours of college credit through North Central State College guaranteed to transfer to any state school in Ohio, receive credit for the course ENGL 1010, and will earn one full high school English credit in just one semester.

College Composition II (CCP 1030) **One Semester (3 sem. hrs.)** **1 Credit**
Prerequisites: Successful completion of College Composition I with a grade C or higher.

This is a course in argument and research writing. Students read issue based works and write summaries, responses, and an argument and research paper. Students learn to organize research projects, find and evaluate sources, incorporate ideas and quotations from sources, document their sources in APA style, analyze and use argumentative strategies and persuasive appeals, and prepare and revise effective, coherent papers. Students will earn three (3) credit hours of college credit through North Central State College guaranteed to transfer to any state school in Ohio, receive credit for the course ENGL 1030, and will earn one full high school English credit in just one semester.

HEALTH AND PHYSICAL EDUCATION

Health **One Semester** **.5 Credit**

This is designed primarily to make the student aware of health problems in your everyday living and community. It is intended to study the systems of the body, to develop good personal hygiene and nutrition, to safeguard the body against the dangers involved with alcohol, drugs, tobacco, and diseases, and to familiarize students with steps in CPR and First Aid procedures, which satisfactorily meets graduation requirements and state standards.

Advanced Physical Education Weight Training **One Semester** **.5 Credit**

Advanced Physical Education is a class that covers the areas of strength, speed, and flexibility. This course is designed to meet the needs of the Plymouth High School student athletes' extra curricular activities. This course will help to meet the training requirements for all athletes throughout a student's high school career.

(Can be taken more than one semester)

MATH

Algebra I **One Year** **1 Credit**
Prerequisites: 8th grade math

Algebra I is the first in a series of high school math courses to prepare the student for graduation. Topics include: exploring linear, exponential, quadratic functions, solving linear and nonlinear equations, data analysis, polynomials, factoring, problem solving, and systems of linear equations.

Geometry **One Year** **1 Credit**
Prerequisites: Average of a "B" in 8th grade Algebra I, teacher's permission, or passed 9th grade Algebra I

Geometry is a comprehensive mathematics course featuring coverage of geometric terms and processes, logic, and problem solving. The course includes topics such as lines, planes, angles, congruent figures, polygons, constructions, proofs, and transformations. An emphasis is placed upon reasoning and problem solving skills gained through the study of similarity, areas, volumes, circles, basic trigonometry, and coordinate geometry.

Algebra II **One Year** **1 Credit**
Prerequisites: Geometry credit

Algebra II reviews in depth and extends many topics of Algebra I, deepening the students' understanding of the use of variables and their insight into more intricate problems involving solving equations simultaneously and the more advanced quadratic equations. In addition, new ideas such as logarithms, conic sections, trigonometry, matrices, and complex numbers are included. Graphing calculators will be used and are recommended (TI-83+ or TI-84).

College Algebra **One year** **1 Credit**
Course Prerequisites: Average of "C" or better in Algebra II

This course is taught in our high school for high school credit. This course will be covering algebraic and trigonometric topics. You must have completed Algebra II with a "C" or better.

Statistics (High School Credit) **One Year** **1 Credit**
Prerequisites: Algebra II

This course is designed as a fourth year math course for non-CCP students. We will start with an Algebra review and move into descriptive and inferential Statistics.

FINANCIAL LITERACY

Financial Literacy **One Semester** **.5 Credit**
Prerequisites: None

Financial Literacy is defined as the ability to read, analyze, manage and communicate about personal financial conditions that affect one's material well-being. It includes the ability to discern financial choices, discuss money and financial issues without (or despite) discomfort, plan for the future and respond completely to life events that affect everyday financial decisions, including events in the general economy. Example topics in this semester course include, but are not limited to, budgeting, investing, filing taxes, types of bank accounts, and preparing for financial decisions after high school

FOREIGN LANGUAGE

Spanish I **1 Credit**

Prerequisites: At least a C in English is *preferred* for freshmen.

This course is an introduction to all things Spanish – culture, countries and communication through language. Developing a strong foundation of the language through learning the sounds and basic vocabulary and structures of the Spanish is the emphasis. Both the structures and vocabulary will be learned through storytelling. Discussion of these concepts will revolve around this setting. Students will begin to read, to write, and to speak fluently. By the end of the year, students should be able to communicate at a Novice-Mid to Novice-High level of proficiency.

Spanish II **1Credit**

Prerequisites: An 80% or better average grade in Spanish I or permission from the instructor.

This course is a continuation of Spanish I. Continued learning of structures and vocabulary will occur through reading and discussing novels in the language. Students will advance their fluency in reading, writing, listening and speaking.

By the end of the year, students should be able to communicate at an Intermediate-Low level of proficiency.

Spanish III **1 Credit**

Prerequisites: An 80% or better average grade in Spanish II or permission from the instructor.

This course is a continuation of Spanish II. As in previous levels, learning of structures and vocabulary will continue to occur through reading and discussing more difficult novels in the language. There is a greater responsibility and expectation for students to demonstrate and present what they are learning through reading, writing, listening and speaking.

By the end of the year, students should be able to communicate at an Intermediate-Mid level of proficiency.

Spanish IV **1 Credit**

Prerequisites: An 80% or better average grade in Spanish III or permission from the instructor.

This course is more of an in-depth look at the Spanish language. While we will continue learning through reading more difficult texts, we will also look at the language from a more grammatical perspective, preparing students for college-level classes, enabling students to hone their language communication skills. There is an even greater responsibility and expectation for students to demonstrate and present what they are learning through reading, writing, listening and speaking.

By the end of the year, students should be able to communicate at an Intermediate-Mid/High level of proficiency.

SOCIAL STUDIES/ HISTORY

Modern World History **One Year** **1 Credit**
Prerequisites: Freshman Standing

This course examines world events from 1650-present and will focus on the following topics: Enlightenment, political revolutions, Industrial Revolution, Imperialism, World War I, World War II, The Cold War, and Globalization. Students will also continue to develop historical thinking skills by analyzing primary and secondary sources.

American History **One Year** **1 Credit**
Prerequisites: Sophomore standing and completion of Modern World History

In this course students will focus on post-reconstruction to the present day. With emphasis on learning American history, students will also become familiar with global history during this period. In a changing America, students will look at these changes in culture, politics, society, and the economy. Furthermore, there will be a focus on causes and resolutions of conflicts, policy changes, and cultural differences in America.

American Government **One Semester** **.5 Credit**
Prerequisites: American History and Junior/Senior standing

This course focuses on the study of the American Federal Government with an emphasis on how people govern themselves at each level. Throughout the course current issues and topics will be discussed and tied into the understanding of the American and global community. Students will also explore knowledge and skills in financial literacy and how both individuals and world markets need to know how to manage limited resources.

Sociology **One Semester** **.5 Credit**
Prerequisites: None

Sociology is an elective course that studies human society and social behavior with an emphasis on college preparation and critical thinking. This course deals with the social atmosphere that helps to make us who we are and how we behave, and will help you more accurately understand the society in which you live. Sociology will cover topics such as culture, deviance, social control, socialization and personality, group behavior, and social institutions.

<u>Geography</u> **One Semester** **.5 Credit**
Prerequisites: None

The study of the physical features of the earth and of human activity as it affects and is affected by these, including the distribution of populations and resources, land use, and industries.

<u>History Through Film I</u> **One Semester** **.5 Credit**
Prerequisite: Completion of American History

Students will analyze historical events through popular films. Students will compare and contrast these depictions to other traditional sources they have encountered in their previous social studies courses. The course will mainly focus on American history from the American Revolution to present day. Content will include, but not limited to, the American Revolution, slavery, industrialization, western expansion, Civil War, Gilded Age, World War I, World War II.
Disclaimer: Some of the following movies have sexually suggestive scenes, violence, and adult language. These parts of the films will be edited as much as possible without diluting the historical references. Reasonable attempts will be made to communicate with parents the nature of the films.

<u>History Through Film II</u> **One Semester** **.5 Credit**
Prerequisite: Completion of American History

Students will analyze historical events through popular films. Students will compare and contrast these depictions to other traditional sources they have encountered in their previous social studies courses. The course will mainly focus on American history from WWII to present day. Content will include, but not limited to, WWII, Cold War, Civil Rights Movement, Women's Rights, space race and War on Terror.

Disclaimer: Some of the following movies have sexually suggestive scenes, violence, and adult language. These parts of the films will be edited as much as possible without diluting the historical references. Reasonable attempts will be made to communicate with parents the nature of the films.

FAMILY AND CONSUMER SCIENCE

Principles of Food **One Semester** **.5 Credit**
Prerequisites: None

In this course students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

Personal Wellness and Development **One Semester** **.5 Credit**
Prerequisites: None

In this course students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health.

Child Development **One Semester** **.5 Credit**
Prerequisites: Sophomore standing

In this course students will study the principles of child grown, development, and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles, and evaluation childcare services.

Career and College Readiness **One Semester** **.5 Credit**
Prerequisites: Junior or Senior standing

In this course students will develop effective learning strategies and skills to provide a strong foundation for successful lifeline learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills, and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership, and entrepreneurship.

Global Foods **One Semester** **.5 Credit**
Prerequisites: Sophomore standing; must have taken and passed Principles of Foods

In this course students will compare cuisines, ingredients, and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes

FINE ARTS & TECHNOLOGY

All four levels of Art offered at Plymouth High School must be taken in sequence.

Art 1 **One Year** **1 Credit Prerequisites:** None

Students will experience a variety of techniques and medias in the areas of drawing, painting, scratch art, and sculpture. Art history, art criticism and art appreciation will also be introduced. This class will provide students with basic art knowledge and skills.

Art 2 **One Year** **1 Credit**
Prerequisites: Successful completion of Art 1

This course is designed to further develop and expand students' art knowledge and skills acquired in Art 1. Students will continue to develop an understanding of a variety of Medias in the areas of drawing, painting, scratch art, and sculpture. More emphasis will be placed on art history, art criticism and art appreciation.

Art 3 & 4 **One Year** **1 Credit (each yr.)**
Prerequisites: Successful completion of Art 2/3

Students will continue to strengthen their skills, style, and technique in a variety of media. A greater degree of excellence shall be emphasized in terms of handling media, development of individual creativity, and maturing as an artist. Students shall develop the knowledge to critique, interpret, and judge artwork. A sketch book as well as a portfolio consisting of quality pieces of artwork are requirements for this class.

Ceramics **One Semester** **.5 Credit**
Prerequisites: Successful completion of Art 1 or teacher approval

Students will experience a variety of techniques in the area of ceramics. Art history, art criticism and art appreciation will be applied to student and outside works. this class will provide students with basic hand-building and throwing skills

2-D Design **One Semester** **.5 Credit**
Prerequisites: Successful completion of Art 1 or teacher approval

Students will experience a variety of techniques and media in the area of drawing, painting and printmaking. Art history and art appreciation will be applied to student and outside works. This class will strengthen and refine students' preexisting skills and challenge them to create and explore using a variety of tools

Digital Imaging Design (Photoshop) **One Semester** **.5 Credit**
Prerequisites: None

An introduction to still based image manipulation and design. Units include: Raster based Image Manipulation, Vector illustration, Intro to Photography, and Typography.

Introduction to Video Production **One Semester** **.5 Credit**
Prerequisites: None

An introductory course to video production. Units include: Pre-Production, Storyboarding and Script Writing, Camera Shots, Movements, Angles, Editing Techniques, Sound, Lighting Techniques, and Studio Production.

BAND

Instrumental Music **One Year** **1 Credit**

Instrumental music is designed not only to develop technical proficiency but also to foster appreciation of the aesthetic qualities of the art. Students are encouraged to master the instrument of their choice to the best of their ability. There will be performances at contests, parades, and concerts throughout the year.

Participation in the instrumental music program can be beneficial to students whether they believe they do or do not have a special aptitude for music.

Prior experience in band is necessary; however, the band director can make exceptions. Attendance at rehearsals and performances is required and included in the grade

SCIENCE

Biology I **One Year** **1 Credit**
Prerequisites: None

Biology is the study of life. In this class we will be taking an in-depth look at the basic unit of life, the cell, and its many functions. We will be studying the foundation of biology, cytology, genetics, ecology, and the origins of life. To reinforce what is learned in class, we will be doing experiments, projects, and dissections.

Human Anatomy and Physiology I (H.S. Credit) **One Year** **1 Credit**
Prerequisites: Biology, Chemistry is strongly recommended.

This course is an in-depth study of the principles of human anatomy and physiology. It includes the study of structure and function of the body as a whole and study of cell biology, histology, and integumentary, skeletal, muscular, endocrine, and nervous systems plus the special senses. Laboratory exercises are designed to supplement lecture topics and include microscopy, the study of models, specimen dissection, and physiological experiments.

Physical Science **One Year** **1 Credit**
Prerequisites: Sophomore status

This introductory science course integrates the basics of chemistry and physical science. Students will learn about the nature of matter, the nature of energy, the forces of motion, and scientific inquiry. It will provide science that is developmentally appropriate for high school students. Reading and mathematical skills will be reinforced while students engage in labs and classroom activities, utilizing various technologies to further develop problem-solving and critical thinking skills.

Chemistry **One Year** **1 Credit**
Prerequisites: Algebra I; Sophomores taking Chemistry should have averaged a “B” or better in Biology I and Algebra I

Chemistry is recommended for college-bound students. Solid math skills are an asset in chemistry. The course includes a study of the atom, the periodic table, chemical reactions, and solutions through class and lab work.

Physics **One Year** **1 Credit**
Prerequisites: Algebra II

Physics is recommended for the college-bound student, especially those with an interest in the sciences. The course covers motion, forces, energy transformations, sound, light and electricity

Earth Science **One Year** **1 Credit**
Prerequisites: Junior or Senior status

Earth science is a combination of earth, space, life, and environmental science. Some of the topics that are covered are: environmental concerns, geologic time tables of organisms and of the earth, the atmosphere, plate tectonics, and the earth and its resources.

YEARBOOK

Yearbook Production I, II, III & IV **One Year** **1 Credit**
Prerequisites: Instructor Permission- Must possess strong design and photography skills and be deadline oriented.
Creation and Publication of Plymouth High School Annual Yearbook

<u>AGRICULTURAL EDUCATION</u>: Preparation for career success

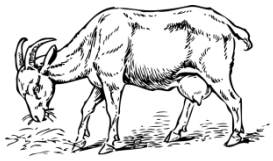
Agricultural Education prepares students for successful careers and/or a lifetime of informed choices in the global agriculture, food, fiber and natural resources industries. **All students enrolled in Agricultural Education coursework are required to join as a member in the National FFA Organization by paying FFA dues and enrolling in Agricultural Science In Action.** Although agriculturally focused, students will develop many valuable career skills including communication, leadership, and business management skills, an asset to any career field. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of the industry and work on major projects and problems similar to those faced in the industry.

<u>Agriculture, Food & Natural Resources</u>

1/2 Elective Credit, ½ Science Credit **Grades 8, 9, 10, 11, 12** **1 period each day all year**
Prerequisites: None. Must concurrently enroll in Agricultural Science In Action.

Agriculture, Food and Natural Resources is designed for students in grades 8, 9, 10, 11, and 12 to gain a better understanding of the world around them. The *Agriculture, Food, and Natural Resources* course is intended to serve as the introductory course; the course is structured to enable all students to have a variety of experiences that will provide an overview of the fields of agricultural science, food science, natural resources, plant science, agricultural mechanics, biotechnology and animal science.

<u>Animal and Plant Science</u>



½ Elective Credit, ½ Science Credit **Grades 9, 10, 11, 12** **1 period each day all year**
Prerequisites: Agriculture, Food and Natural Resources or with the approval of the instructor. Must concurrently enroll in Agricultural Science in Action.

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills and basic woodworking will be taught.

<u>Science and Technology of Food</u>

1 Elective Credit **Grades 10, 11, 12** **1 period each day all year**
Prerequisites: Any previous Agricultural coursework or sophomore/junior/senior standing with approval of the instructor. Must concurrently enroll in Agricultural Science In Action.

This course examines the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine principles of food preservation techniques and determine correlations to food sensory, shelf life and food stability. Learners will examine and develop food safety, sanitation, and quality assurance protocol. Government regulations and food legislation will be examined and the implications to food science and technology will be identified. Learners will process and preserve food products using mechanical, biological, and chemical processing methods. Food safety, sanitation, and quality assurance will be practiced. World food production and health, food borne disease, and food security will also be examined.

Mechanical Principles

1 Elective Credit **Grades 10, 11, 12** **1 period each day all year**
Prerequisites: Any previous Agricultural coursework or Sophomore/ junior/senior standing with approval of instructor. Must concurrently enroll in Agricultural Science In Action.

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn safety, woodworking, concrete, plumbing, electricity, hydraulics, metal working, and small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Business Management for Agricultural and Environmental Systems

1 Elective Credit **Grades 11, 12** **1 period each day all year**
Prerequisites: Any previous Agricultural coursework or junior/senior standing with approval of instructor. Must concurrently enroll in Agricultural Science In Action.

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.
****This class can be offered as an online/independant study course for students participating in an alternative pathway with instructor approval**

Agricultural and Environmental Systems Capstone
1 Elective Credit **Grade 12** **1 period each day all year***
Prerequisites: Must have successfully completed and passed end of course tests for 3 agricultural education classes. Must qualify for Ohio Agribusiness Industry Credential and concurrently enroll in Agricultural Science In Action.

Students will examine elements of business through independently guided projects and coursework as they apply concepts of ethics and professionalism. This course may be utilized for early work release if students meet qualifications and abide by expectations. **Or to be enrolled in an additional Agricultural Education Course and to be utilized for work release purposes.*
****This class can be offered as an online/independant study course for students participating in an alternative pathway with instructor approval**

Agricultural Science In Action I, II, III, IV & V.

½ Elective Credit **Grades 8, 9, 10, 11, 12** **Student Planned Experience**
Prerequisites: None, this course is required for enrollment in any Agricultural Education Coursework.

This coursework includes out of class projects and activities. **This class is required for all students enrolling in any Agricultural Education Course** except those enrolling in Credit Flexibility courses because of scheduling, CCP course or attending Pioneer. All students enrolled in any Agricultural Education coursework must develop and keep records on an approved student developed Supervised Agricultural Experience Program (SAEP). Simply stated, students' undertake projects where they will gain hands-on skills in an area of interest. Programs must show growth in either size or monetarily over time to receive full credit. Students will also track their mandatory FFA involvement in this portion of the class for grading and credit.