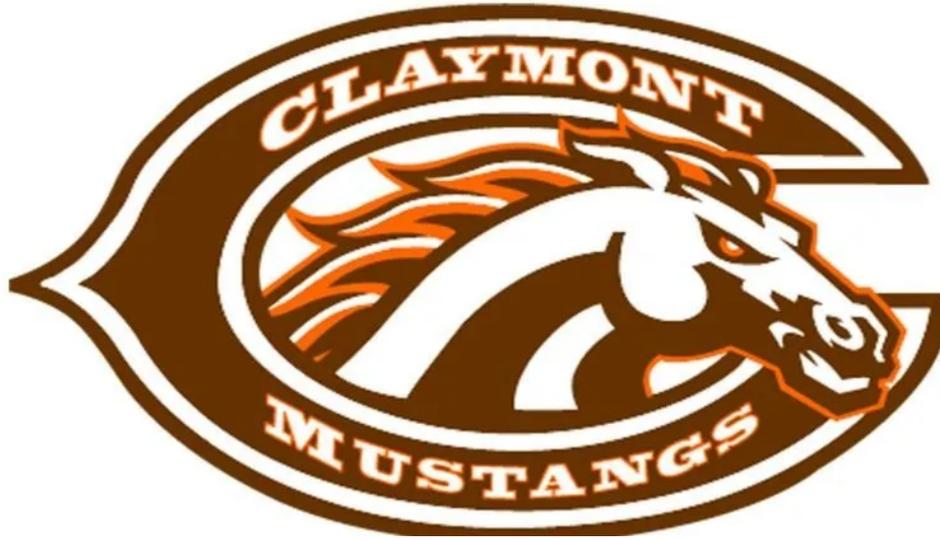


# Claymont High School



## Academic Planning Guide & Course Catalog 2023-2024

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# Claymont High School

*Preparing all students for success in life.*

Dear Students and Parents/Guardians,

Welcome to your Claymont High School Academic Planning Guide! This guide has been prepared to help you plan your high school program and choose courses for the 2023-2024 school year. It contains essential information about graduation requirements, course descriptions, and educational options apart from the traditional high school pathway. The decisions you are about to make are important and should be discussed as a family. Students have already explored this guide with their teachers or counselor and should be prepared to explain it to parents/guardians.

Selecting the proper courses in high school is essential to preparing for the future, whether students intend to go to college or technical school, pursue a career in the armed services, or enter the workforce upon graduation. Course selection will also determine what classes are offered and the number of class sections available next year. Please keep in mind that some courses will be selected FOR students, based on readiness and/or successful completion of prerequisite coursework.

The learning opportunities available in our high school will provide a solid foundation upon which to build a successful future. Together, we will make these four years rewarding, challenging, and relevant.

If you have any questions about the registration process, please feel free to contact counselors, Mrs. Trimmer or Miss Smith in the guidance office, or Ms. Conn in the main office at (740)922-3471.

Yours in education,

*Amy Lint Conn*

Principal

## The Scheduling Process

- Read all the information in this handbook completely.
- Read the course descriptions, which tell you about each course offered.
- Complete the course selection Google Form.
- There are seven instructional periods in a day and you must register for **a minimum of six** courses.
- If a student *does not* select the required number of courses to fill their schedule, *courses will be selected for them*.
- If the courses selected by the student conflict with required core courses, the student will be given an opportunity to select from courses available during the time periods they have open.
- **It is important to note that schedules may change due to staffing and/or state requirements. Every effort will be made to enroll students in the courses they selected, however, the selection of a course does not guarantee enrollment within the course. Schedules may change due to student enrollment and staff availability.**
- **Students will receive a copy of their schedule in August only AFTER all Back To School forms are completed online.**

## Schedule Changes

Extensive effort is made by your high school teachers, counselors, and administrators to ensure that you have chosen and received the best possible course schedule. Based on course selections made by students in the spring, a master schedule is created, and teachers and students are assigned to classes so that class enrollments are as balanced as possible. Consequently, when our school year starts in August, student-initiated schedule changes will be approved by counselors and administrators *on a very limited basis*, and requests must be made within the first five days of beginning a course.

The following are *some* of the reasons a schedule change *may* be approved: a student was placed in a course that they have already passed, a student was placed in a course out of sequence (i.e. Algebra II before Algebra I), a student is missing a course required for graduation, a student was placed in an inappropriate level (i.e., assigned to enriched, but the course should have been regular ed.), a student must rearrange their high school courses due to a College Credit Plus scheduling conflict, or a placement change is needed and directed by a school official (i.e., teacher, administrator, or counselor).

Schedule changes *will NOT be approved* for the following reasons: a student desires a different teacher, a student desires a different lunch period, a student desires the same class but in a different period, or a student wants to be in a class with friends. Please put thought and consideration into the courses that you are requesting.

## Claymont Graduation Requirements

To meet the requirements for graduation, a student must successfully earn a **minimum of twenty-one (21) credits**, along with other graduation requirements explained below.

Department	Minimum Credits Required	Courses	Information
English	4 Credits	English 9 through 12	Students will be placed in their English courses based on individual student needs.
Social Studies	3 Credits	Modern World History American History American Government	
Science	3 Credits	Physical Science Biology An advanced science course (Chemistry, Anatomy, Bio 2, Physics)	Physical Science should be taken in 9th grade unless it was completed in 8th grade, followed by Biology, then an advanced science class.
Math	4 Credits	Algebra I (or Algebra Part I & Algebra Part 2) Geometry Algebra II or MMR Additional math class	Students will be placed in their math courses based on individual student needs.
Health	½ Credit		It is recommended that students take Health in 9th grade.
Physical Education*	½ Credit		Students must take <i>two semesters</i> of PE to earn ½ credit.
Fine Arts	1 Credit <i>Counts as one of five required elective credits.</i>	Art I, II, and III Ceramics I, II, and III Choir Band Principles of Wood Sheet Metal Drafting	This credit can be earned anytime in grades 7-12. BCC students are exempt from this requirement.
Other	½ Credit	Personal Finance	
Electives	5 Credits		

\*CHS PE Exemption Policy: The Claymont Board of Education adopted a policy to excuse a student from the high school Physical Education graduation requirement if, during high school, the student has participated in interscholastic athletics, marching band, or cheerleading for at least two

full seasons. These policies are governed by rulings from the State Department of Education. Please see a school counselor for further information.

## Graduation Pathways

### *Required for Class of 2023 and Beyond*

As a student entering ninth grade on or after July 1, 2019, Ohio's new high school graduation requirements give you more flexibility to choose a graduation pathway that builds on your strengths and passions – one that ensures you are ready for your next steps and excited about the future.

1. **First, cover the basics.** You must earn a minimum total of 21 credits in specified subjects.
2. **Second, show competency.** Earn a passing score on Ohio's high school Algebra I and English II tests. Students who do not pass the test will be offered additional support and must retake the test at least once. There are three additional ways to show competency if you did not pass your End of Course Exams.
  - Demonstrate Two Career-Focused Activities
  - Enlist in the Military
  - Complete College Coursework
3. **Third, show readiness.** Earn **two** of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical, and professional skills and knowledge that align with your passions, interests, and planned next steps after high school. At least **one** of the two must be **Ohio-designed, the other seal can be a locally designed seal or an Ohio-designed seal.**
  - Choose at least one of the following Ohio-designed Seals:
    - OhioMeansJobs Readiness Seal (Ohio)
    - Industry-Recognized Credential Seal (Ohio)
    - College-Ready Seal (Ohio)
    - Military Enlistment Seal (Ohio)
    - Citizenship Seal (Ohio)
    - Science Seal (Ohio)
    - Honors Diploma Seal (Ohio)
    - Seal of Biliteracy (Ohio)
    - Technology Seal (Ohio)
  - Choose at least one of the following Locally-designed Seals:
    - Community Service Seal (Local)
    - Fine/Performing Arts Seal (Local)
    - Student Engagement Seal (Local)

# **State of Ohio Defined Seals**

(Choose at Least One)



## **Ohio Means Jobs Seal**

Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies.



## **Seal of Biliteracy**

Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.



## **Industry-Recognized Credential Seal**

Earn a 12-point approved industry-recognized credential or group of credentials totaling 12 points in a single career field.



## **College-Ready Seal**

Earn remediation-free scores on the ACT or SAT.



## **Military Enlistment Seal**

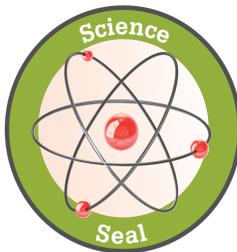
Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces, or participate in an approved JROTC program.



### **Citizenship Seal**

A student can:

- Earn a score of proficient or higher on both the American History and American Government end-of-course exams;
- 
- Earn a score that is at least equivalent to proficient on approved Advanced Placement or International Baccalaureate exams; or
- Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program.



### **Science Seal**

A student can:

- Earn a proficient or higher on the Biology end-of-course exam;
- Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams; or
- 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:

- Academic Honors Diploma;
- International Baccalaureate Honors Diploma;
- Career-Tech Honors Diploma;
- STEM Honors Diploma;
- Arts Honors Diploma;
- Social Science and Civic Engagement Honors Diploma.



### **Technology Seal**

A student can:

- Earn a score that is at least equivalent to proficiency on an appropriate Advanced Placement or International Baccalaureate Exam;
- 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
- Complete a course offered through the district or school that meets guidelines developed by the Department of Education.

# Claymont School District Local Defined Seals

(Choose at Least One)

In addition to earning at least one state seal, each student may earn at least one local seal. The following three seals have been approved by the Claymont Board of Education as meeting the requirements for graduation.



## Community Service Seal

The Claymont School District believes that high-quality community service experiences help prepare students for success in the workplace by allowing them to apply academic and technical skills in a real-life setting. Community service also connects students with the community in a positive way and teaches them to become good citizens.

Students must complete the following requirements to achieve the Community Service Seal:

- Students must complete a total of 40 volunteer hours while enrolled in grades 9-12 **and...**
- Students must choose to volunteer at a non-profit organization(s) (such as those listed on the Tuscarawas County United Way website) or have approval from their administrator/counselor prior to starting their hours. **And...**
- Students will document their hours and have the hours verified by the volunteer coordinator/supervisor (*no relatives can verify their activities*).



## Fine/Performing Arts Seal

The Claymont School District believes that participation in fine and performing arts programs supports the development of critical skills such as creativity, sensory processing, communication, problem-solving, cultural awareness, and expression. It also helps students gain confidence that will assist them throughout life.

Students must complete the following requirements to achieve the Fine and Performing Arts Seal.

- Earn 1 credit of fine arts required for graduation **and...**
- Earn one of the following:
  - Participate in a public performance/presentation/exhibition, **or**
  - Earn a second (Full) credit in the area of Fine and Performing Arts, **or**
  - Forty hours of documented time on Fine and Performing Arts activities outside of class time.



## **Student Engagement Seal**

The Claymont School District believes that meaningful participation in Board-approved extracurricular activities helps to develop well-rounded students who are more engaged in the school community.

Students must complete the following requirements to achieve the Student Engagement Seal: (Students must participate in, and complete an activity that has a connection to the school district they are attending.)

### **Activities may include the following but are not limited to**

- Extra-curricular athletics
- Extra-curricular activities/clubs
- Mentoring/tutoring in the school district
- Volunteering as a classroom, office, custodial, or other helper (during non-academic time).
- Participating in co-curricular activities (such as clubs with weekly/monthly meetings).

### **Activities will be categorized by hours of involvement.**

- Major activities will equal 40 hours or more (such as a sports team with regular practice).
- Minor activities will equal less than 40 hours.
- Activity designations will be up to individual district determinations

### **Students must earn:**

- 2 Majors *or...*
- 4 Minors *or...*
- 1 Major and 2 Minors

## **Transfer Students**

In the event that a student transfers into the Claymont School District, Claymont High School will honor all local seals that the student has earned and that have been verified by that student's previous school or educational setting. All efforts will be made to convert an incoming student's prior qualifying engagement into progress toward the attainment of the approved Claymont High School Graduation Seals.

# Career Tech Pathways

Claymont High School offers four career tech pathways that prepare students for entry into the workforce or further study at a technical school or college.

## **Agriculture & Environmental Systems: Agribusiness & Production Systems Pathway**

The courses in this pathway are based on developing technical skills in animal and crop production, food processing, horticulture, natural resource management, environmental services, agricultural and environmental education, communications, and research. Emphasis is placed on developing skills for the 21st-century workplace and developing leadership skills in individual students. The courses in this pathway include

- Agriculture, Food and Natural Resources
- Animal and Plant Science
- Animal Anatomy and Physiology
- Science and Technology of Food
- Greenhouse and Nursery Management
- A & E Capstone

## **Business and Administrative Services: Logistics and Supply Chain Management Pathway**

This pathway prepares students for careers in business management, administrative support, human resources, business administration, legal management, medical management, and entrepreneurial endeavors. The courses in this pathway include:

- Business Foundations
- Marketing Principles
- Strategic Entrepreneurship
- Logistics Management

## **Manufacturing Technologies: Manufacturing Operations Pathway**

This pathway is designed to prepare students for careers in the manufacturing industry. In this program, students will have an opportunity to take a series of courses that focus on materials, design, and safety, as well as develop leadership skills for work in the field. This program will help prepare students to join the next generation of manufacturers.

The courses in this pathway include

- Manufacturing Operations
- Machine Tools
- Machining with Industrial Lathes
- Computer Numerical Control Technology with Industrial Mills & Lathes
- Gas Metal Arc Welding

## **Information Technology: Interactive Media Pathway**

This pathway prepares students for technical and professional level careers in the design, development, support, and management of hardware, software, multimedia, and systems integration services. The courses in this pathway include

- Information Technology
- Computer Science Essentials (Project Lead the Way)
- Video & Sound

## Pre-Apprenticeship Program

The Pre-Apprenticeship program teaches basic technical and job-readiness skills for the apprentice occupations below and it prepares students for a formal Registered Apprenticeship training program. Students can earn a 12-Point Industry Credential by completing all of the Pre-Apprenticeship requirements.

[Manufacturing Pre-Apprenticeship](#)

[Information Technology Pre-Apprenticeship](#)

[Health Science Pre-Apprenticeship](#) Classes are online.

[Education Pre-Apprenticeship](#) Classes are online.

[Hospitality & Tourism Pre-Apprenticeship](#) Classes are online.

## College Credit Plus

The College Credit Plus program (CCP) was established by the state of Ohio to replace Post Secondary and Dual Credit options. This program is designed to allow college-ready students, grades 7-12, who qualify for college admission, the opportunity to earn high school and college credit. Listed below are guidelines for the CCP program.

1. CCP can include courses offered on a college campus, online courses, or college courses offered at the high school.
2. The purpose of CCP is to promote rigorous academic pursuits and provide a wide variety of options to **college-ready students**.
3. Students in grades 7-12 can apply for CCP admission to a public college or university or a participating private college.
4. The college will admit you based on your college readiness in one or more subject areas. Students are not permitted to take remedial or religious courses. Physical education courses will also not be covered financially by the school per Ohio regulations.
5. Students must meet the college and/or university admission guidelines and college readiness placement tests. Please check each school's website under CCP to locate guidelines and requirements.
6. Students are permitted to take up to **30 college credits per year with a maximum of 120 college hours in grades 7-12**.
7. Students may not participate in the CCP program beyond their anticipated high school graduation date.
8. Students and their families should contact colleges for information, application materials, and criteria for acceptance into CCP. Students must go through the procedures established by the colleges/ universities to apply for CCP and to enroll in courses. Students may be required to take a college placement test to ensure college readiness.

9. Transportation is the student's responsibility. Claymont will not provide transportation for CCP.
10. CHS does not determine who is accepted into the CCP program. Individual colleges and/or universities will make the determination as to what courses a student may take based on college readiness. A letter will be sent from that institution explaining what the next step will be.

More detailed information can be found on the guidance website. Interested students and a parent/guardian must attend an informational meeting regarding CCP. The student must speak with a high school counselor and sign and return an intent to participate form by April 1st.

There is no cost to participate in CCP at public institutions and textbooks are included (students are required to return all books at the end of the term).

### **Why choose CCP?**

- Explore post-secondary interests
- Enroll in classes not available at high school
- Be exposed to college faculty/college expectations
- Earn an industry credential (or be well on your way to earning one)
- Transfer college credit, especially between public institutions within Ohio

### **Points to consider:**

- Is this a right fit for me based on my strengths and goals? College courses may take more time and may be faster-paced than high school courses.
- Courses may transfer differently to other institutions. Check out [transferology.com](http://transferology.com) to explore the portability of credits.
- College courses follow the institution's guidelines (dates in session, withdrawal procedures). You may have college courses during your high school breaks.
- There is a financial obligation to reimburse the district if you fail or do not complete a course, including withdrawing with a W.
- You need to make Satisfactory Academic Progress (SAP) in order to continue receiving federal student aid as a full-time college student. In other words, you have to earn good enough grades and complete enough classes (credits, hours, etc.) to keep moving toward successfully completing your degree or certificate in a time period that is acceptable to your school. Your performance in CCP courses counts toward SAP. (<https://studentaid.ed.gov/sa/eligibility/staying-eligible>)
- The Ohio Department of Higher Education has additional information at [www.ohiohighered.org/ccp](http://www.ohiohighered.org/ccp).

To qualify, students must:

- Attend a College Credit Plus orientation meeting given by the guidance counselors the school year prior to applying for admission to a college and signing up for college-level courses. Both students and their parent(s) must attend this meeting together. Complete a College Credit Plus application to the college/university of their choosing.
- Score college-ready in English, Reading, and/or math on the ACT, Accuplacer, or another placement test.
- Meet the qualifications for acceptance to their chosen college/university (this may vary from institution to institution).
- Complete and turn in the intent form by April 1 and enroll in courses.

# Buckeye Career Center

Students have the option of attending Buckeye Career Center (BCC) during their Junior and Senior years. Students have two options:

1. Full Time at BCC-Students will take all courses at BCC
2. Part-Time at BCC-Students will take labs at BCC and return to Claymont for half the day to take core classes (English, Math, Science, and Social Studies) if this works in their schedule.

Under both options, students remain Claymont High School Students. If students decide to attend BCC, they will be involved in intensive training in a selected program. Upon graduation, students enter the workforce with a skill they have learned in their chosen lab, they may continue their education, or enlist in the military. There are academic, behavioral, and attendance requirements to be accepted into BCC. If you are interested in going to the career center, please start talking with your guidance counselor as early as your Freshman year.

Students planning to enroll in career center programming should complete the following course requirements by the end of grade 10:

Subject	English	Math	Science	Social Studies	Elective Credit	Health	Physical Education
Credits	2	2	2	2	2	.50	.50

## Grading

### Weighted Grades

1. College Credit Plus classes are weighted on a 5.0 scale.
2. Upper-level and Enriched courses taught at the high school (such as, but not limited to, Anatomy, Chemistry E, Biology E, Trigonometry, Foreign languages in years III & IV, and Enriched English) are weighted on a 4.5 system.

### Grading Scales and Quality Points

Regular	Upper Level/Enriched	CCP
A = 4.0	A = 4.5	A = 5.0
B = 3.0	B = 3.5	B = 4.0
C = 2.0	C = 2.5	C = 3.0
D = 1.0	D = 1.5	D = 2.0
F = 0.0	F = 0.0	F = 0.0

*Students must pass each semester of a year-long course with a 60% or above in order to receive full credit.*

## Course Load

1. **Each** student is *required to enroll in no fewer than five (5) credits per year.*
2. Students should select classes so their schedules will include no more than one (1) full study hall per day, per semester.

## Honor Roll

Students are selected for the Honor Roll based on their grade point averages for the semester grading period.

<b>Principal's List</b>	The Principal's List is the highest of the academic honor rolls. To be eligible for the Principal's List a student must have a semester grade point average of 4.00 or above, with no grade below a "C."
<b>High Honors</b>	To be eligible for the High Honors List, a student must have a semester grade point average ranging from 3.60 – 3.99 with no grade below a "C."
<b>Honors</b>	In order to be selected for the Honors List, a student must have attained a semester grade point average ranging from 3.20 – 3.59 with no grade below a "C."

## Other Academic Honors

### National Honor Society

By maintaining a 3.5 G.P.A., you are eligible for possible selection into the Claymont National Honor Society. The Claymont National Honor Society guidelines also require its members to meet criteria related to Character, Leadership, and Service.

### Academic Letters

1. 96% Attendance
2. Maintain a 3.5 GPA or higher for three 9 weeks
3. Receive no grade below a C including CCP courses
4. No ISS or OSS

# Academic Honors Recognition at Graduation

Beginning with the Class of 2026, CHS will recognize students at graduation using the Latin Honors System. ***The graduating class of 2026 will be the first to earn recognition through the Latin Honors System.***

The Latin System provides a means of honoring students within a 3-tiered system comprised of: Cum Laude (with Honor), Magna Cum Laude (with High Honor), Summa Cum Laude (with the Highest Honor)

<b>Level of Honor</b>	<b>GPA</b>	<b>Specific Seals Required</b>	<b>Distinction</b>	<b>Award to be worn at graduation</b>
<b>Summa Cum Laude</b>	4.0 and above	Honors Diploma or Industry Credential or OhioMeansJobs Readiness Seal	Graduating with the Highest Honor	Gold Medal
<b>Magna Cum Laude</b>	3.750 - 3.999	Honors Diploma or Industry Credential or OhioMeansJobs Readiness Seal	Graduating with High Honor	Silver Medal
<b>Cum Laude</b>	3.500 and above	None beyond those required for graduation	Graduating with Honor	White cord

Graduation speeches will be made by the Class President and the NHS President.

# GPA

## Method of Determining Grade Point Average

A student's Grade Point Average (GPA) is determined by converting letter grades to the numerical value assigned to these grades (see chart) and then adding these points to determine a total point value. The next step is to determine the total number of credits associated with the converted grades. Dividing the total point value by the total number of credits will provide the student's GPA.

### EXAMPLE of GPA CALCULATION

Subject	Grade	Points	Credits
Chemistry	B	3.0	1.0
CCP English Composition	B	4.0	1.0
Trigonometry	A	4.5	1.0
Choir	A	4.0	1.0
American Government	B	3.0	1.0
Spanish III	A	4.5	1.0
Ceramics	A	4.0	1.0
Totals		27.0	7.0
Points Earned divided by credits earned:		27.0/7.0	
GPA:		3.86	

## Requirements for Progression to the Next Grade Level

Progression to the next grade level is attained by earning credits for successful completion of courses. Credits required to progress:

To move to grade 10	To move to grade 11	To move to grade 12	To graduate
5 credits	10 credits	15 credits	21 credits

## Academic Honors Diploma

Students must meet *all but one* of the following criteria unless it is a minimum graduation requirement.

Math	4 units: Algebra I, Algebra II, Geometry, Advanced math course
Science	4 units, including 2 units of advanced science
Social Studies	4 units
World Languages	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	1 unit
GPA	3.5 on a 4.0 scale (must be calculated on an unweighted scale)
ACT/SAT	ACT: 27 or higher/SAT: 1280 or higher

[More details on academic honors diploma](#)

## Career Tech Honors Diploma

Students must meet *all but one* of the following criteria unless it is a minimum graduation requirement.

Math	4 units
Science	4 units, including 2 units of advanced science
Social Studies	4 units
World Languages	2 units of one world language
Electives	4 units of career-technical courses
GPA	3.5 on a 4.0 scale
ACT/SAT/WorkKeys	ACT: 27 or higher/SAT: 1280 or higher/WorkKeys: 6 or higher on Reading for Information and 6 or higher on Applied Mathematics
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.
Additional Assessments	Earn an industry-recognized credential or achieve the proficiency benchmark for the appropriate Ohio Career-Technical Competency Assessment or equivalent.

[More details on Career Tech Honors Diploma](#)

# Course Offerings & Descriptions

## ENGLISH LANGUAGE ARTS

Students must receive credit for one (1) English course at each grade level (9, 10, 11, and 12) in order to meet the requirements for graduation.

### **#040I/050I Read 180 English 1 and 2**

*Required for graduation*

1 Credit

**PREREQUISITE:** *None*

Fee: None

Read 180 is a class designed to help students improve their reading ability. The program is designed to meet individual needs in reading and writing. Students learn a variety of strategies for both reading and learning.

### **#040 English 1**

1 Credit

Required for graduation

Fee: None

**PREREQUISITE:** *None*

This course is for students who are proficient in reading and writing. The students will learn the elements of writing and begin analyzing literature in a more mature manner. Poetry, drama, and short stories will be discussed with much of the literature coming from both fiction and non-fiction selections. Students should be prepared for both written and oral reports and essays in this course.

### **#050 English 2**

1 Credit

Required for graduation

Fee: None

**PREREQUISITE:** *English 1*

English 10R includes the study of literature, composition, and grammar. The grammar portion is a review of basic grammar skills with emphasis placed on helping the student express himself/herself in clear sentences and paragraphs, stressing variety in form. The literature consists of fiction, nonfiction, poetry, and drama. Emphasis is placed on vocabulary, literary concepts, and writer's devices. Research skills and the selection of potential sources are introduced. Students should be prepared for both written and oral reports and essays in this course.

### **#051W English 2E**

1 Credit

Required for graduation: *weighted class*

Fee: None

**PREREQUISITE:** *At least a "C" average in English 1E or an "A" in English I and teacher recommendation*

English 10E is designed for the self-motivated English student. It is a continuation of English 9E involving the mastery of more advanced writing skills, library/research work, interpersonal communication, and college-level reading. This course will prepare the student for reading novels and writing analysis papers at the college level.

### **#060 English 3**

1 Credit

Required for graduation

Fee: None

#### ***PREREQUISITE: English 2***

English 11R is a continuation of the concepts, basic principles, and general information about English grammar and American Literature. Additional skills in writing will be developed. American Literature, its authors, and works will be studied in the literature portion of this course. Students should be prepared for both written and oral reports and essays in this course.

### **#061W English 3E**

1 Credit

Required for graduation: *weighted class*

Fee: None

#### ***PREREQUISITE: At Least a "C" average in English 2E or an "A" in English II and teacher recommendation***

This course is designed for the self-motivated, above-average English student. Concepts will be studied in more detail than in English 11R. Extensive expository writing will be explored, with an emphasis on MLA style. Several novels will supplement the American Literature text. Grammar will be studied with a focus on ACT review. Self-study and individual investigation will highlight the course. This course will prepare the student for reading novels and writing analysis papers at the college level.

### **#070 English 4**

1 Credit

Required for graduation

Fee: None

#### ***PREREQUISITE: English 3***

English 12R focuses on the study of British Literature, authors, and time periods. The basic principles of grammar and writing skills will be reviewed with emphasis placed on improving and developing these skills. ACT review will also be offered. The student will also be assisted in the exploration and selection of post-secondary educational options.

### **#071 W English 4E**

1 Credit

Required for graduation: *weighted class*

Fee: None

#### ***PREREQUISITE: At least a "C" average in English 3E or an "A" in English 3 and Teacher Recommendation***

This course is designed for the above-average English student who is highly motivated to work independently. The student will be involved in the study of British Literature and the historical time period the literature encompasses. Emphasis will be placed on developing the student's reading and writing skills in preparation for college. In addition to ACT review, assistance will be offered with the career passport that is required for graduation. The student will also be assisted in the exploration and selection of post-secondary educational options.

### **#1522 Communication Skills I**

½ Credit

Elective for Grades 9-12, *Semester course*

Fee: None

#### ***PRE-REQUISITE: None***

This is a one-semester course designed to develop a student's public speaking abilities. Students will use library and computer research skills to develop speeches to introduce, inform and persuade. Emphasis is placed on improving critical thinking and listening skills, identifying propaganda, and outlining skills. This course is recommended for all college-bound students and CTE Business students.

## #153 Yearbook

1 Credit

Elective for Grades 10-12

Fee: None

### ***PREREQUISITE: "B" or better in English and teacher recommendation***

Students who join the yearbook staff will design the school's yearbook: photographing events, writing, and preparing page layouts. Strong computer skills are required for all assignments. Students will also be involved in several fundraisers and creative advertising projects. Students must be available during the school day and after school for events requiring photography and interviews with students, coaches, and advisers. Communication with community members, students, and school staff is required.

## #1545 Creative Writing

Elective for grades 9-12, *Semester course*

½ Credit

### ***PREREQUISITE: None***

Fee: None

This course is designed to advance students' abilities to express their thoughts through writing short stories, poems, and plays. Students will be expected to participate in class discussions that analyze and evaluate different writing styles including fiction, poetry, description, narration, and drama. Students will give and receive feedback through peer editing in small and full class groups. This course is geared toward students seeking to enhance their writing skills and expand their approach to writing by developing their creative process. This class is for elective credit only.

## #163 Sigma Tri

Elective for grades 9-12

1 Credit

### ***PREREQUISITE: None***

Fee: None

This class partners regular education students and special education students in an environment that fosters friendships while practicing and learning English language arts skills. Each day students will work in a project based environment to master English language arts standards and to learn how to help others despite differences in age, gender, and abilities. Students in this class will interact with our building facility dog.

## #6311 Film Studies

Elective for grades 9-12, *Semester course*

1/2 Credit

### ***PREREQUISITE: None***

Fee: None

Film Studies is a course that will explore numerous cinematic topics. Students will analyze various periods, genres, and styles of films while learning the various audio/visual traits and tricks that filmmakers use to craft their works. Along the way, they'll be watching, interpreting, and discussing a wide assortment of movies to supplement their understanding of these topics. Students should possess a good attitude and a willingness to try new things. Good attendance and participation are a must! Students must have a written consent form signed by their parent/guardian at the start of the semester.

## # America in Vietnam

Elective for grades 9-12, *Semester course*

1/2 Credit

**PREREQUISITE:** *None*

Fee: None

Through this course students will gain a better understanding of how the Vietnam War reshaped American culture, society, and politics from roughly 1955 to the present. They will learn about Vietnamese society, politics, and anti-colonial struggle. Students will engage in critical discussions about how history can help us better understand and creatively address current day problems. They will also hone their reading and interpretive skills through classroom discussions and careful readings of primary and secondary sources;

## MATHEMATICS

In order to meet the graduation requirements for Claymont High School, a student must earn credit in four (4) math courses. Every student must progress through Alg. II or an equivalent course.

### #345 Algebra I - Part I

Grade 9: Placement based on state test scores and MAP test scores.

1 Credit

Fee: None

**PREREQUISITES:** *None*

The class will focus on the study of mathematical symbols, numbers, operations, and the relationships that exist between these items. The four basic operations of adding, subtracting, multiplying, and dividing will be applied to all numbers and symbols in a logical and consistent manner. The ability to think, concentrate, and organize material is very important. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Key topics include linear, quadratic, and exponential relationships, contrasting them with each other, and learning how to apply these functions to real-world phenomena. Students will explore data and build on the skills they learned in middle school to provide a more formal means of assessing how a model fits data. Students use graphical representations and knowledge of the context to make judgments about the appropriateness of their models. This is the basic course for work in higher levels of mathematics that will cover one-half of the Algebra I standards.

### #346 Algebra I - Part II

Grade 10: Students who took Algebra I - Part I must take this class.

1 Credit

**PREREQUISITE:** *Algebra Part I*

Fee: None

This is a continuation of Algebra I - Part I and will cover the remaining Algebra standards.

## #342 Algebra I

1 Credit

Grade 9-12

Fee: None

### ***PREREQUISITE: None***

This course is designed as the first high school math course for students in the general and college prep curriculum. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Key topics include linear, quadratic, and exponential relationships, contrasting them with each other, and learning how to apply these functions to real-world phenomena. Students will explore data and build on the skills they learned in middle school to provide a more formal means of assessing how a model fits data. Students use graphical representations and knowledge of the context to make judgments about the appropriateness of their models. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## #351 Geometry

1 Credit

Grade 10-12

Fee: None

### ***PREREQUISITE: Algebra I and/or Algebra II***

This course is designed and recommended for the student who has completed Algebra I. Geometry - exploring spatial sense and reasoning - is used daily by almost everyone. It is found everywhere: in art, architecture, engineering, and much more. In prior grades, students studied Geometry but the rigor is greater in this course. Students will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Topics covered include angles, polygons, transformations, triangles, parallel lines, similar and congruent figures, coordinate geometry, surface area and volume, and deductive proofs related to geometric figures.

## #352W Geometry Enriched

1 Credit

Grade 10-12

Fee: None

### ***PREREQUISITE: Algebra I and/or Algebra II***

This course is designed and recommended for the student who has completed Algebra I enriched. Geometry - exploring spatial sense and reasoning - is used daily by almost everyone. It is found everywhere: in art, architecture, engineering, and much more. In prior grades, students studied Geometry but the rigor is greater in this course. Students will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Topics of geometry will be covered more theoretically with a higher level of difficulty. Topics covered include angles, polygons, transformations, triangles, parallel lines, similar and congruent figures, coordinate geometry, surface area and volume, and deductive proofs related to geometric figures.

## #360 Algebra II

1 Credit

Grade 10-12

Fee: None

### ***PREREQUISITE: Algebra I***

This is a continuation of Algebra I, involving a more in-depth study of the relationships between numbers and symbols. Algebra 2 continues the expansion of students' algebra skills to structure their understanding of real-world applications. Building on work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem situations.

## #360W Algebra II Enriched

1 Credit

Grade 10-12

Fee: None

### ***PREREQUISITE: Algebra I Enriched***

This is a continuation of Algebra I Enriched, involving a more in-depth study of the relationships between numbers and symbols. Algebra 2 continues the expansion of students' algebra skills to structure their understanding of real-world applications. Building on work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and solve equations, including solving quadratic equations over a set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Graphing calculators will be introduced and used periodically.

## # Mathematical Modeling & Reasoning

1 Credit

Elective for Grade 11 or 12

Fee: None

### ***PREREQUISITE: Algebra I and Geometry***

The Mathematical Modeling and Reasoning course is a quantitative reasoning course. Quantitative Reasoning (QR) is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions, and communication. This course will satisfy the graduation requirement for Algebra 2.

## #361W Trigonometry/Pre-calculus

1 Credit

Elective for Grade 11 or 12

Fee: None

**PREREQUISITE:** *Algebra II and Geometry, weighted class*

A study of triangles and their properties, analysis of practical trigonometry, and theory of trigonometry to gain insight into the structure of trigonometry as a mathematical discipline is covered. Analytic geometry is a joining of the two fields of geometry and algebra. The final nine-week grading period of the course will focus on basic, introductory Calculus concepts in order to prepare the students for both Calculus and college-level math courses the students may take in the future.

## #380 College Math

1 Credit

Elective for Grade 12

Fee: None

**PREREQUISITE:** *Completion of Algebra II*

This course is geared to the mathematical needs of the non-science or non-math major student who needs to have a good background for general college-level mathematics. All topics are covered that prepare the non-science major for college with enough depth to help the student for college math success in a college Algebra course. The course level is not quite as rigorous or demanding as for those going into potential math and science fields in college. In the second semester, there will be an introduction to functions and matrices.

## SCIENCE

All students must earn three science credits to graduate, including Physical Science and Biology. Students have an option for their third year of science. Any student who is planning to attend college should take Chemistry, Physics, and as many other advanced science classes as possible.

### SCIENCE COURSE PROGRESSIONS

#### FRESHMEN

Physical Science or Biology E

#### SOPHOMORES

Biology or Biology E  
Chemistry or Chemistry E

#### JUNIORS

**Must take one of the following:**

Chemistry or Chemistry E  
Anatomy & Physiology  
Biology 2  
Physics

#### SENIORS (all are electives)

Chemistry  
Anatomy & Physiology  
Physics

## #240 Physical Science

1 Credit

Required for graduation

Fee: \$10

**PREREQUISITE:** *None*

This class is designed around two of the most fundamental disciplines of science: physics and chemistry. These areas will be taught through hands-on activities that integrate everyday life. Students will see the connections between the sciences and how science is important in their lives. This course is designed to aid freshmen in preparing for future science courses.

## #250 Biology

Required for graduation

1 credit

Fee: \$20

### **PREREQUISITE: Physical Science**

This course will focus on the central topics of life science including cells, genetics, energy transfer, DNA, ecology, evolution, and the kingdoms of life. Concepts, thinking skills, and writing skills will be emphasized. Projects will be assigned to allow for creativity and the utilization of technology.

## #251W Biology E (advanced option for college prep. students)

Required for graduation, *weighted class*

1 credit

Fee: \$20

Block class

### **PREREQUISITE: For students with at least a B in Physical Science and teacher recommendation**

This course will provide a more in-depth study of the central topics in life science including the cell, genetics, DNA, ecology, evolution and the Kingdoms of Life. Work will require the students to not simply memorize facts, but to apply those facts beyond their normal thinking. It is expected that students will work extensively outside of class. High-level thinking and writing skills will be utilized. This class will be fast-paced and is intended to help the student advance to higher life science courses with ease.

## # 251 Biology II

Grades 12

1 Credit

### **PREREQUISITE: Biology**

Fee None

Can be used to fulfill Science graduation requirement

Biology 2 is a continuation of the study of life. Students will explore the diversity of life and follow the evolutionary history of the major representative phyla of life on earth, perform dissection laboratory activities with those representatives, and learn why they are important to mankind. A survey of the animal and plant kingdoms will be done, emphasizing form and function. Major topics will include the classification of life, cladistics, taxonomy, evolution, and animal behavior.

## #260 Chemistry

Elective for Grade 11-12, can be used to fulfill Science graduation requirement

1 credit

Fee: \$20

### **PREREQUISITE: Biology**

Block Class

The course focuses on the composition, structure, and properties of matter and the changes it undergoes. General topics of study include the organization of matter, the language of chemistry, phases of matter, the behavior of solutions, and chemical reactions. Weekly lab activities reinforce these topics by relating “real-world” applications to each current area of study. Students will explore the impact of chemistry on modern society as well as its impact on their personal lives.

## #261W Chemistry E (advanced option for college prep. students)

Elective for Grades 11-12, can be used to fulfill Science graduation requirement

1 credit

Fee: \$20

### **PREREQUISITE: Enriched Biology**

Block Class

The course focuses on the composition, structure, and properties of matter and the changes it undergoes. General topics of study include the organization of matter, the language of chemistry, phases of matter, the behavior of solutions, and chemical reactions, and. weekly lab activities reinforce these topics. Several extensive lab reports requiring work outside of normal school hours are mandatory. Chem E is paced faster than general chemistry and delves deeper into the chemistry content for most of the topics covered.

## **#252W Anatomy & Physiology**

1 credit

Elective for Grades 11-12, can be used to fulfill Honors Diploma requirement and science graduation requirement

Fee: \$10

**PREREQUISITE: Physical Science, Biology, and Chemistry (can be concurrent)weighted class**

This course will be an in-depth study of the human body and biotechnology. Dissection of animals and animal parts is an essential part of this course. This course is recommended for students wishing to continue their education in the health and medical fields

## **# W Physics**

1 credit

Elective for Grades 11-12, can be used to fulfill the Honors Diploma requirement and science graduation requirement

Fee: \$10

Physics elaborates on the study of the key concepts of motion, forces, and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces, and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

## **SOCIAL STUDIES**

### **#1507 Modern World History**

1 credit

Required for grade 9

Fee: None

**PREREQUISITE: None**

(1776-1940) This course focuses on world civilizations in the aforementioned period, emphasizing the Enlightenment, Industrialization, Immigration, Urbanization, Imperialism, and World War I including America's role in each, as well as, an extensive examination of our nation's Founding Documents; Declaration of Independence, Constitution, Bill of Rights, and Northwest Ordinance.

### **#160 American History**

1 Credit

Required for grade 10

Fee: None

**PREREQUISITE: None**

American History examines the story of modern America – its diverse people, its varied landscape, its sturdy democracy, and its great events. Students will make connections between the past and the present. Some of the topics covered include the New Deal, WWII, suburbia, the Cold War, Civil Rights, the Korean Conflict, the Vietnam era, Watergate, political terrorism, and the post-9/11 world.

### **#170 American Government**

1 Credit

Required for grade 11

Fee: None

**PREREQUISITE: None**

The course focuses on the basic principles of the United States Constitution and is designed to help students gain an understanding of how our governmental system is organized and how the system functions. The course places emphasis on the organization of the legislative, executive, and judicial branches at the federal, state, and local levels. Students will also have the opportunity to register to vote and learn how the election process works.

## **#1502 Current Events**

½ Credit

Elective for grades 9-12, *Semester course*

Fee: None

### ***PREREQUISITE: None***

Current events, or “What’s happening in your current world?” The goal of this class is to raise student interest in, and to promote awareness of, the stories making headlines, by “staying on top of the news.” This class will use presentations, debates, discussions, and writing to help increase awareness of current issues and to achieve the goal of becoming informed citizens.

## **#1505 America in WWII**

½ Credit

Elective for grades 9-12, *Semester course*

Fee: None

### ***PREREQUISITE: None***

This course will examine the American impact on WWII as well as the war’s impact on American society, during and after the war. Topics covered in this semester-long course include Civil rights and the role of women during WWII, initial American assistance to the Allied powers, and the American campaign in Europe and the Pacific (with special attention to the build-up and invasion of Europe). We will also study Midway and the island hopping in the Pacific, the evolving relationship between Churchill, Roosevelt, and Stalin, and post-war pop culture that includes the baby boom.

## **#162 Psychology**

1 Credit

Elective for grades 11-12

Fee: none

### ***PREREQUISITE: None***

This course deals with others. What is creativity, and why does one out of every five people need some type of professional help? The course will also cover such topics as dreaming, hypnosis, memory, and hallucinations. In addition, the class will study how we learn the language, how love grows, adolescence, maturity, self-images, and the development of personalities.

## **World Languages**

### **#441 Spanish I**

1 Credit

Elective for Grades 9-12

Fee: None

### ***PREREQUISITE: None***

Focus will be on acquiring high-frequency vocabulary word structures through listening and reading. Beginning speaking and writing skills will also be developed. This course will be based on a combination of stories, in-class notes, and making use of readings, songs, and computer programs to bring Hispanic culture into the classroom. As the class is designed around daily input in Spanish, good attendance is crucial to doing well. Classroom participation is expected. Classes will be conducted in English and Spanish.

## **#451 Spanish II**

Elective for Grades 10-12

1 Credit

Fee: None

### ***PREREQUISITE: Spanish I***

In this course, students will advance their knowledge of the Spanish language and Hispanic culture, directly building on what they learned in Spanish I. Students will write and tell stories as well as act them out in class. Short stories and novels in Spanish will be read and discussed in class. The class is designed around daily input in Spanish making excellent attendance crucial to success. Active participation is required. Classes will be conducted in Spanish with explanations in English as needed.

## **#461W Spanish III**

Elective for Grades 11-12, *weighted class*

1 Credit

Fee: None

### ***PREREQUISITE: Spanish II***

This course expands on the skills of speaking, listening, reading, and writing. Students will read stories and some literature, as well as continue the storytelling begun in Spanish II. Students' language and grammar growth, as well as cultural understanding through literature, current media, and conversation, are emphasized. Classes are conducted in Spanish, with formal study of grammar conducted in English.

## **#471W Spanish IV**

Elective for Grade 12, *weighted class*

1 Credit

Fee: None

### ***PREREQUISITE: Spanish III***

This class is a continuation of Spanish III. The student will continue to develop communication skills through more complex reading, writing, listening, and speaking activities. Students will analyze, compare and discuss the cultural norms of Spanish-speaking countries. Classroom participation and good attendance are expected. Classes are conducted in Spanish, with formal study of grammar conducted in English.

## **#480 American Sign Language I**

Elective for Grades 9-12

1 Credit

Fee: None

### ***PREREQUISITE: None***

American Sign Language I is the natural language used by deaf individuals and the Deaf community. This is an overview of American Sign Language (ASL), its basic vocabulary, structure, syntax, and grammar. Students will focus on mastering the basics of fingerspelling, numbers, colors, facial grammar and sentence structure; students will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with deaf/hard-of-hearing native users of the language. Introductory information about deaf culture will also be presented, along with deaf humor, to provide students with a broad picture of language and culture. American Sign Language I is offered through Interactive Video Distance Learning, and will also incorporate the use of Google Classrooms as well as Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload recorded videos of sign language assignments as part of the course interaction. Live instruction will be recorded every day. This will give students and parents access to the interactive portions of the lessons.

## **#482 American Sign Language II**

1 Credit

### ***PREREQUISITE: American Sign Language I***

Fee: None

American Sign Language II is a continuation of American Sign Language I. American Sign Language II is offered through Interactive Video Distance Learning, and will also incorporate the use of Google Classrooms as well as Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload recorded videos of sign language assignments as part of the course interaction. Live instruction will be recorded every day. This will give students and parents access to the interactive portions of the lessons.

## **# W American Sign Language III**

1 Credit

### ***PREREQUISITE: American Sign Language II***

Fee: None

American Sign Language III is a continuation of American Sign Language II. American Sign Language II is offered through Interactive Video Distance Learning, and will also incorporate the use of Google Classrooms as well as Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload recorded videos of sign language assignments as part of the course interaction. Live instruction will be recorded every day. This will give students and parents access to the interactive portions of the lesson.

## **VISUAL ARTS**

### **#6400 Art I**

½ Credit

Elective for Grades 9-12, *Semester Course*

Fee: \$10.00

#### ***PREREQUISITE: None***

The purpose of Art I is to develop appropriate knowledge and appreciation of art through creative and manipulative experiences. Art I includes art history and aesthetics, as well as studio experiences which include drawing, painting, and alternative art techniques. Students will also start to develop an art vocabulary.

### **#6500 Art II**

½ Credit

Elective for 9-12, *Semester Course*

Fee: \$10.00

#### ***PREREQUISITE: Art I***

Art II will continue the goals of Art I with the studio focus on printmaking, three-dimensional work, and a review of drawing techniques.

### **#660 Art III**

1 Credit

Elective for 10-12

Fee: \$20.00

#### ***PREREQUISITE: Art II***

Art III is aimed toward continuing the goals of Art I and II with more emphasis on three-dimensional art forms. Students will work on time and skill-intensive work in this class, building an artistic voice.

## **#6611 Ceramics I**

½ Credit

Elective for 9-12, Semester Course

Fee: \$25.00

***PREREQUISITE: None***

Ceramics I is for those interested in creating artwork out of clay. Ceramic terminology and basic hand-building techniques such as slab building, coiling, and pinch pots will be studied in depth.

## **#6711 Ceramics II**

½ Credit

Elective for 9-12, Semester Course

Fee: \$25.00

***PREREQUISITE: Ceramics I***

Ceramics II will continue the goals of Ceramics I with more emphasis on utilizing learned hand-building techniques to create more advanced three-dimensional art. Advanced glazing techniques will be introduced

## **#671 Ceramics III**

1 Credit

Elective for 10-12

Fee: \$35.00

***PREREQUISITE: Ceramics II***

Ceramics III is for those interested in furthering their skills from the previous year(s). Students will be introduced to wheel throwing and using molds to create works. Various methods of surface decorating will be studied in-depth. Students will work on time and skill-intensive work in this class, building an artistic voice and style.

## **PERFORMING ARTS**

### **#943 Concert Choir**

1 Credit

Elective for 9-12

Fee: None

***PREREQUISITE: None***

Symphonic Choir is made up of males and females. A variety of music is sung, including sacred, secular, folk, and popular. The basic foundations of music are taught to the student. Students who wish to participate in this ensemble will be selected for the class based on one or more of the following criteria. If the student is interested in the course and has not sung in a choir before, a vocal test may be necessary to determine which part they are best suited to sing. Students enrolled are expected to perform at all concerts and other singing engagements.

### **# Select Choir**

1 credit

Elective for 9-12

Fee: None

***PREREQUISITE: Audition***

Select Choir is for the advancing vocalist who wishes to improve their technique and musicianship. Students in Select Choir must audition and be selected by the instructor. Select Choir members must participate in four concerts, OMEA Solo and Ensemble Contest, and various community performances. Students are also eligible to audition and participate in various honor choirs throughout the state. Students should be prepared for after-school rehearsals and performances.

## #945 Music in Movies and Media

1 Credit

Elective for 9-12

Fee: None

**PREREQUISITE:** *None*

Explore music in the world as it applies to you. This class covers the history and function of music in blockbuster movies, video games, and your own social media. Throughout the class, you will explore various composers and styles of music culminating with the chance to write your own compositions for various media settings and learn skills of the trade. Note: this is not a music-literacy intensive class (staff music), but rather skill-building with a focus on music technology.

## #940 Instrumental Music (Band)

1 Credit

Elective for Grades 9-12

Fee: None

**PREREQUISITE:** *None*

Instrumental Music aims to teach the student the intellectual, emotional, and entertaining sides of music through active performance opportunities. The first nine weeks are dedicated to the Marching Band, the most visible ambassador of the band program. Marching Band is REQUIRED of all students in Instrumental Music, with the exception of those who are in a fall sport. They need to discuss their situations with the band director after registration. The Marching Band performs at several parades and band shows each fall. The Concert Band is the focus of the rest of the year. The Concert Band gives at least two concerts annually, and it is a group known for self-discipline, pride, and a passion for music.

## Other Required Courses

### #8501 Physical Education

¼ Credit

Two semesters required for graduation, *Semester course*

Fee: None

**PREREQUISITE:** *None*

Physical Education is a combination of team and individual sports with an emphasis on “carry-over activities. It consists of sports such as badminton, basketball, volleyball, soccer, physical fitness, football, ping pong, wiffle ball, dodgeball, kickball, etc. Grades are based on participation and periodic written and skills tests. Personal cleanliness and neatness are also stressed.

### #8601 Fitness Conditioning And Evaluation

¼ Credit

Two semesters required for graduation, *Semester course*

Fee: None

**PREREQUISITE:** *None*

Students will complete comprehensive fitness evaluations and develop individualized training programs. Students will complete tasks in the areas of cardiovascular endurance, body composition, joint flexibility and muscular strength, power, and endurance. Emphasis is placed on assessing body composition, neuromuscular flexibility, agility, balance, coordination, and proprioception. Additionally, students will identify components of physical fitness and communicate how physical activity impacts health and wellness.

## #8701 Physical Education Waiver

The Claymont Board of Education has adopted a policy to excuse high school students from the physical education requirement if they have participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. If a student chooses to use the waiver, they will not be required to complete any physical education course as a condition to graduate. The waiver does not count as a credit, so students will need to substitute the 0.5 physical education credit with other coursework to meet the 21 total credits required to graduate. Students cannot mix and match physical education and athletics to waive the graduation requirement. For example, one season of a sport and a quarter credit of physical education (semester course) do not meet the requirements. **A student must have EITHER 0.5 credit of Physical Education OR two full seasons of athletics, marching band, or cheerleading to meet the graduation requirement.** This does not need to be completed in one year. For example, a student can participate in basketball this year and next year to get the two full seasons (if spanning two years, you must fill out a waiver form for each school year). Completion of a full season will be verified by each coach/director. Quitting or lack of participation may disqualify a student from a full season. If a student is disqualified due to quitting or lack of participation, then the student will need to either complete an additional season (to get the required two full seasons) or consider taking 0.5 credits of physical education.

## #8421 Health

½ Credit

*One semester required for graduation*

Fee: None

***PREREQUISITE: None***

The course content is designed to prepare our young people for the decisions they will face in the future and for recognition of the importance of those decisions. To meet this goal, the student will become acquainted with several media sources and a wealth of new information in order to find answers to their many questions. They are encouraged to express themselves both verbally and in writing on a high level of comprehension. Thus, the assignments are designed to help introduce fresh material, help students make decisions, recognize dangerous situations and know the consequences of their actions. Many community organizations offer programs to reinforce the prevention of the problems that face our young people.

## #3720 Personal Finance

½ Credit

*One semester of Personal Finance is required for graduation*

Fee: none

***PREREQUISITE: None***

Personal Finance will provide you with an awareness of personal financial issues. areas of discussion include banking services, credit risk, money management, financial investments, wages, taxes, and risk management.

# INDUSTRIAL ARTS

*(These courses count as Fine Arts credits.)*

## **#6411 Fundamentals of Architecture and Construction-Drafting** ½ Credit

Elective for Grades 9-12, *Semester Course*

Fee: \$10.00

***PRE-REQUISITE: None***

Any student desiring to pursue the fields of architecture, engineering, construction, or any math-related career would benefit from this class. The class stresses blueprint reading and the development and improvement of math skills. Some areas covered are basic drawing procedures, all forms of measurement, lettering, geometric construction, orthographic projection, and isometric drawings.

## **#643 Wood I-Principles of Wood Construction** 1 Credit

Electives for Grades 9-12

Fee \$15.00

***PRE-REQUISITE: None***

This class is an introduction to basic woodworking tools, materials, and processes with an emphasis on applied mathematical skills. Many math and geometric principles are also reinforced in this class. Students will learn basic hand and machine tool operation and safety. Hands-on, three-dimensional problem-solving skills are used to produce a variety of wood projects. In Wood II-IV an emphasis is also placed on joinery and advanced projects. Wood technology is recommended for male and female students.

## **#653 Principles of Wood II** 1 Credit

Electives for Grades 10-12

Fee \$15.00

***PREREQUISITE: Wood Technology I Principles of Wood***

The capstone course provides opportunities for students to apply knowledge, attitudes, and skills that were learned in Wood I in a more comprehensive and authentic way. This includes project/problem-based learning opportunities that occur both in and away from school. Under the supervision of the school and through community partnerships. During this class, an emphasis will also be placed on joinery and advanced projects.

## **#663 Principles of Wood III** 1 Credit

Electives for Grades 11-12

Fee \$15.00

***PREREQUISITE: Wood Technology II***

This class is an extension of Wood Technology I and II. This includes project/problem-based learning opportunities that occur both in and away from school under the supervision of the school and through community partnerships. During this class, an emphasis will also be placed on joinery and advanced projects.

## **#673 Principles of Wood IV** 1 Credit

Electives for Grades 10-12

Fee \$15.00

***PREREQUISITE: Wood Technology III***

This class is an extension of Wood Technology I, II, and III. This includes project/problem-based learning opportunities that occur both in and away from school under the supervision of the school and through community partnerships. During this class, an emphasis will also be placed on joinery and advanced projects.

## #6441 Sheet Metal

½ Credit

Elective for Grades 9-12, *Semester Course*

Fee: \$15

**PREREQUISITE:** *None*

This semester course is designed to teach project planning development and basic hand-machine tool skills. Pattern development, making projects, fundamental metals, working hand-machine tool skills, and some welding are included. A toolbox and at least one (1) additional project is required. Sheet metal technology is a class that places a lot of emphasis on geometric construction. Students will lay out sheet-metal patterns using parallel lines, radial lines, and triangular development procedures. Students will also fabricate edges, joints, seams, and notches. Students will also have the opportunity to work with a new state-of-the-art PlasmaCam system and Design Edge drawing program.

## Pre-Engineering Program (Project Lead the Way)

### # Introduction to Engineering & Design

1 Credit

Elective for Grades 9-12

**PREREQUISITE:** Algebra I

Introduction to Engineering Design is an introductory course that develops problem-solving skills, with emphasis placed on the concept of developing a 3D model or solid rendering of an object. This course is for students interested in Engineering and/or Architecture related fields. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware, Autodesk Inventor. Units of study include Sketching, Multi-views, Pictorial and 3D Drawing, Sections, Dimensioning, Auxiliary, and Architectural drawings. Students will be expected to use 2D and 3D CAD software to solve problems and present designs. Technical reading and math skills are needed. This course is part of a nationally recognized program called Project Lead the Way. More information can be found at the website [www.PLTW.org](http://www.PLTW.org)

## Career & Technical Pathways

Each CTE pathway is designed as a four-year program. *(Any CTE courses can be taken as electives)*

### AGRIBUSINESS AND PRODUCTION SYSTEMS

*Every student must pay FFA dues of \$25 each year.*

#### #701 Agriculture, Food, and Natural Resources

1 credit

Elective for Grades 9-12

Fee: None

**PREREQUISITE:** *None*

This **first course in the career field** is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology, and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership, and business skills essential to the agriculture industry. ***This is the first course in the Agribusiness and Production Systems Pathway.***

## **#711 Plant & Animal Science**

1 credit

Elective for Grades 10-12

Fee: None

***PREREQUISITE: Agriculture, Food & Natural Resources***

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.

## **#721 Animal Anatomy**

1 credit

Elective for Grades 11-12

Fee: None

***PREREQUISITE: Agriculture, Food & Natural Resources AND Plant & Animal Science***

Students will examine the structure and function of the major organ systems as well as the function and principle of blood flow in animals. Students will study internal and external anatomical parts and their functions and will investigate the relationship among these parts and systems within the body of animals. Throughout the course, students will apply the internal functions of anatomical structures to the business and industry principles of the animal industry.

## **# 731W Science & Technology of Food**

1 credit

Elective for Grades 11-12

Fee: None

***PRE-REQUISITE: Agriculture, Food & Natural Resources AND Plant & Animal Science***

***This class is offered every other year and alternates with Greenhouse & Nursery Management***

Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified. This is a weighted course.

## **# W Greenhouse & Nursery Management**

1 credit

Elective for Grades 11-12

Fee: None

***PRE-REQUISITE: Agriculture, Food & Natural Resources AND Plant & Animal Science***

***This class is offered every other year and alternates with Science & Technology of Food.***

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation, and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized. This is a weighted course.

# LOGISTICS & SUPPLY CHAIN MANAGEMENT

## **#374 Business Foundations**

1 credit

Elective for Grades 9-12

Fee: None

***PREREQUISITE: None***

**This is the first course** in the Business and Administrative Services career field. It introduces students to personal finance, networking, entrepreneurship, business processes and structure, employability skills, leadership, communication and ethics, and other related topics. This class will provide a foundation for all of the following courses and will help students get into a business mindset. If you are considering studying business at college, have an interest in starting your own business or even just want to learn about the basics of business and how to build wealth, this is your class! ***This is the first course in the Logistics and Supply Chain Management pathway.***

## **#375 Marketing Principles**

1 credit

Elective for Grades 10-12

Fee: None

***PREREQUISITE: Business Foundations***

Students will obtain fundamental knowledge and skills in marketing communications, research, merchandising, and professional selling. The class is designed to be very hands-on and involves projects related to social media, commercials, surveys, infographics, and t-shirt making. Students will learn the ins and outs of operating a business by helping run our school store, where we will sell merchandise created in all of our career tech classes. This is the second class in the business pathway..

## **#150 Strategic Entrepreneurship**

1 credit

Elective for grades 11-12

Fee: None

***PREREQUISITE: PRE-REQUISITE: Business Foundations and Marketing Principles***

Students will use their creativity to come up with business ideas and then write out a detailed business plan of how they will take that product or service to market. Students will learn about the entrepreneurial mindset, the many ways to build wealth as an entrepreneur, and the different types of entrepreneurs. If you want to use your creativity to find ways to make money and you want to learn from successful entrepreneurs out in the real world, this class is for you!

## **# Logistics Management**

1 credit

Elective for grades 11-12

Fee: None

***PREREQUISITE: PRE-REQUISITE: Business Foundations and Marketing Principles***

Students will develop plans and networks to move materials, information, products, and services through organizations. Students will analyze transportation cost structures and reverse logistics costs. They will utilize technology to evaluate warehouse size and space layouts. Students will also design receiving and fulfillment processes and develop preventive maintenance schedules. Requirements for the treatment, storage, and disposal of hazardous materials will be emphasized.

## # Business & Administrative Services Capstone

credit varies

Elective for grades 12

Fee: None

### ***PRE-REQUISITE: Business Foundations, Marketing Principles, and Logistics Management***

Students will apply knowledge, attitudes, and skills that were learned in a Business and Administrative Services program in a more comprehensive and authentic way in this capstone course. Capstones often include project- /problem-based learning opportunities that occur both in and away from school. Under the supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship

## MANUFACTURING OPERATIONS

### **#642 Manufacturing Operations**

1 Credit

Elective for Grades 9-12

Fee \$15.00

#### ***PRE-REQUISITE: None***

Students will learn the production processes applied across manufacturing operations. Throughout the course, students will learn components of worksite and personal safety. Students will be able to demonstrate a broad array of technical skills with an emphasis on quality practices, measurement, and maintenance. ***This is the first course in the Manufacturing Operations pathway.***

### **#652 Machine Tools**

1 Credit

Elective for Grades 10-12

Fee \$15.00

#### ***PREREQUISITE: Manufacturing Operations***

This course introduces students to all aspects of machining applications in manufacturing. They will be able to perform routine calculations, interpret basic drawings, begin the process of performing accurate measurements, and be able to plan simple machining processes. Students will learn the fundamental principles and practices of cutting, drilling, and grinding using modern machine tools, hand tools, and precision measuring instruments.

### **#662 Machining With Industrial Lathes**

1 Credit

Elective for Grades 10-12

Fee \$15.00

#### ***PREREQUISITE: Manufacturing Operations, Machine Tools***

This course is designed for the student to learn various types of machinery used in industry today. It introduces students to the techniques and skills required in machining, welding, forging, foundry, plasma cutting, and heat treating of various metals with real-world applications of mathematical concepts. Basic operation and safety involved in the use of the machines and basic hand tools will be stressed. Students will also have the opportunity to work with a new state-of-the-art PlasmaCam system and Design Edge drawing program. Students will use machine tools to shape, pattern, bore thread, and polish metal and other materials.

## **#672 CNC Tech with Industrial Mills and Lathes**

1 Credit

Elective for Grades 10-12

Fee \$15.00

### ***PREREQUISITE: Manufacturing Operations, Machine Tools***

In this course, students will use computer numerical control (CNC) programming to mill products composed of various materials. Students will prepare numerical control programs in positioning systems using standard industrial G and M codes. They will program computerized numerical control mills and lathes.

## **#682 Gas Metal Arc Welding**

1 Credit

Elective for Grades 10-12

Fee \$15.00

### ***PREREQUISITE: Manufacturing Operations, Machine Tools***

Students will use the Gas Metal Arc Welding process (GMAW) to safely join various types of metal. They will cut metals using oxy-fuel processes and perform multiple types of welds and joints in all positions, up to and including overhead. They will select the appropriate type of electrode wire and shielding gas, and they will adjust welding equipment based on the physical characteristics and metal properties. Students will apply quality control factors to evaluate weld quality.

## **INTERACTIVE MEDIA**

## **#365 Information Technology**

1 Credit

*Elective for Grades 9-12*

### ***PREREQUISITE: None***

**This first course in the IT career field** is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn about safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

## **#645 Video and Sound**

1 Credit

### ***PREREQUISITE: Information Technology***

Students will create professional video and audio productions for distribution in traditional and new media channels. Students will plan, produce, edit, and launch media products. Students will develop scripts and storyboards, compose shots and operate cameras, capture sounds using microphone hardware, apply special effect techniques, and edit to achieve the final product. Students will be able to use animation and graphic design for video.

## **#370 Web Design**

1 Credit

### ***PREREQUISITE: Information Technology***

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web-based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

## **#364 PLTW Computer Science Essentials**

1 credit

Elective for Grades 9-12

Fee: None

### ***PRE-REQUISITE-none***

In this course, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python and HTML to create apps and develop websites; learn how to make computers work together and learn how to put their design into practice. Students will apply computational thinking practices, build vocabulary and collaborate just as computing professionals do to create products that address topics and problems important to them.