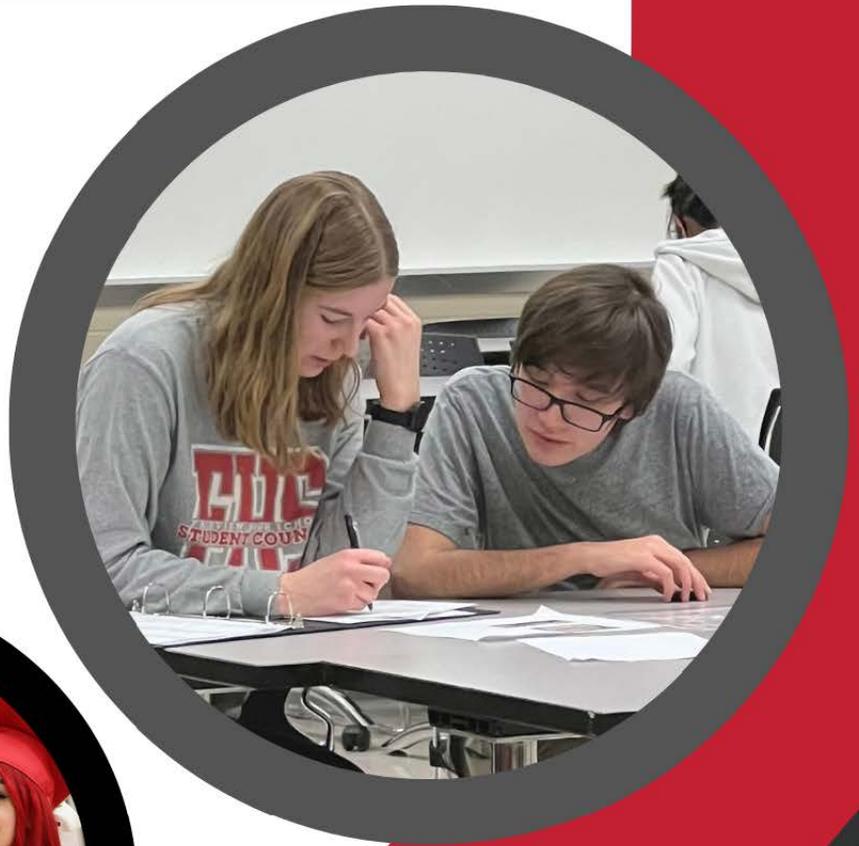


FAIRVIEW HIGH SCHOOL

# PROGRAM OF STUDIES

2024-2025



## Contents

- I. Introduction ~ A Letter from the Principal.....Page 3
- II. Requirements for Graduation.....Page 4
- III. Curricular Choices.....Page 7
- IV. Procedures.....Page 8
- V. Course Descriptions.....Page 11



Dear Parents and Students:

This Program of Studies for the students of Fairview High School exists to improve student success through a rigorous curriculum, integrated use of technology, focusing on research-based pedagogy, encouraging the real-world application of content, and allowing students to exhibit the skills they acquire in the “Fairview Advantage”. This booklet contains the course offerings of Fairview High School for the 2024/2025 school year. Specific information regarding course descriptions, credit and graduation requirements and sample pathways for individual students can be found in this booklet. These sample “pathways” are provided to help students in developing a four-year program.

The faculty and administration of Fairview High School strongly recommend a pathway of academic development that includes additional credits beyond the minimum required for graduation. In addition, it is imperative that college bound and career technical students challenge themselves with four years of the core classes (English, Math, Science and Social Studies) in preparation for post-secondary education or training opportunities.

Our school counselors are available to meet with students and parents to help in preparing the appropriate academic pathway and in selecting courses. Please call the Counseling Office at (440) 356-3500, ext. 4147, for an appointment.

Indeed, the entire Fairview High School staff stands ready to assist you with decisions regarding your personalized pathway. Please do not hesitate to ask for help and advice. We hope that you will take advantage of the many opportunities available to gain an excellent education in an environment designed to help you succeed.

Sincerely,

---

Chris Vicha  
Principal

---

Chris Honeck  
Associate Principal 9-12

---

Heather Kaminski  
Associate Principal 6-8



**General Information for Grades 9 through 12 ...** The curriculum at Fairview High School is based on a full schedule of academic and enrichment courses with a daily, grades 9 and 10 have one half hour for lunch and one-half hour for Mentoring. Grades 11 and 12 are eligible for one hour of lunch/open campus each day. It is strongly recommended that students carry a full schedule. In some cases, it is advantageous for students to have one (1) study hall period for study and / or tutoring services.

**GRADUATION REQUIREMENTS ... MINIMUM Requirements for Graduation from Fairview High School are:**

1. **CREDIT REQUIREMENTS...**For graduation, a student must earn a MINIMUM of twenty-one (21) credits. This is a minimum. Students generally accumulate, and are encouraged, to earn a number of credits beyond twenty-one (21) credits.
2. Students who are granted a Waiver for Physical Education, must replace that one-half credit with another elective.
3. Beginning with the Class of 2026, a one-half credit course in Financial Literacy will be required. This does not replace any other required Social Studies course but can count toward the total number of required elective credits.

<u>DEPARTMENT</u>	<u>CREDITS</u>
English	4.00 credits
Mathematics	4.00 credits (with a min. of 1 cr. In Alg. 2 or state-approved equivalent)
Science	3.00 credits (must include 1 Physical and 1 Life Science credit)
Social Studies	3.00 credits (must include US History, US Government & World History credit)
Physical Education	.50 credit (earned over 2 semesters)
Health Education	.50 credit
Fine Arts	<u>1.00 credit</u>
Required Total	16.00 credits
Elective Total	<u>5.00 credits</u>
<b>TOTAL</b>	<b>21.00 credits</b>



## OHIO BOARD OF REGENTS- College Preparation Program Requirements

The Ohio Board of Regents (controlling board for higher education) and the State Board of Education appointed a 15-member advisory committee on articulation between secondary education and Ohio private and public colleges/universities. In April 1981, this committee made the following recommendations concerning what high school courses Ohio high school students should take before being unconditionally admitted to 4-year institutions. Students who have not completed these recommended requirements may be *conditionally* admitted based on exceptionally high grades, superior ACT or SAT scores, or special talent.

These recommended courses suggest appropriate **minimum** college preparatory choices:

English (emphasis on composition and literature)	4.00 credits
Social Studies	3.00 credits
Mathematics (including Algebra I, Geometry, Algebra II)	4.00 credits
World Language	2.00 credits
(must be in same language; many colleges recommend 3 credits same language)	
Science (Lab-based, including at least 1 Physical and 1 Life)	3.00 credits
Fine Arts	1.00 credit
Other FHS requirements and Electives	4.00 credits
Including Health, Physical Education, and Financial Literacy (for Class of 2026 and beyond)	
<b>Total</b>	<b>21.00 credits</b>

## Career-Technical Education

Polaris Career Technical Center offers a wide range of exciting career-technical programs for students. These are available to qualified FHS students beginning in Grade 11. Most are 2-year programs. All featuring high-quality training in a state-of-the-art setting. Many programs award industry-based credentials for successful completion.

\*PLEASE SEE ATTACHED DOCUMENT FOR MORE INFORMATION OR VISIT THEIR [website](#) FOR DETAILS ABOUT SPECIFIC OPPORTUNITIES. \*

Fairview High School students who complete a Polaris program will typically earn 6 (six) elective credits gaining Career/Technical Knowledge and skills that compete their requirements for graduation.

English	4.00 credits
Social Studies	3.00 credits
Mathematics	4.00 credits
Science	3.00 credits
Ind./Voc. Electives	6.00 credits
Health & Physical Education	<u>1.00 credit</u>
<b>Total</b>	<b>21.00 credits</b>



**OHIO STATE TESTS/END OF COURSE EXAMS (COMPETENCY)**...Students are required to take six (6) End of Course exams throughout high school including: Algebra, Geometry, English Language Arts 2, Biology, U.S. History, and Government. \* Students must earn at least “Competency Scores” of 684 in Algebra I and English Language Arts II OR qualify for graduation via an alternative pathway by earning an Ohio Department of Education and Workforce approved [Industry-Recognized Credential](#).

**GRADUATION SEALS**...Students must earn a minimum two seals; one must be a State defined seal. \*Fairview’s approved local seals include Fine Arts, Community Service and Student Engagement\*

**\*PLEASE SEE ATTACHED DOCUMENT FOR DETAILED INFORMATION\***

**HONORS DIPLOMA**... Ohio offers opportunities for students to earn one of six Honors Diplomas. Fairview students may earn one of five. Note that students must meet and go beyond standard graduation requirements. Follow each link for more details.

1. [Academic Honors Diploma](#)
2. [Career Tech Honors Diploma](#)
3. [STEM Honors Diploma](#)
4. [Arts Honors Diploma](#)
5. [Social Science and Civic Engagement Honors Diploma](#)

**HONORS DIPLOMA FOR THE CLASS OF 2026 AND BEYOND**...Ohio students for the class of 2026 and beyond must follow new guidelines to pursue an Honors Diploma. As with previous classes, students must meet and then go beyond standard graduation requirements. New requirements are in line with current Ohio graduation pathways and requirements. Follow the link for more details about each new Honors Diploma:

[Honors Diplomas Class of 2026 and Beyond](#)

**ADVANCED CREDIT FOR STUDENTS BELOW 9<sup>TH</sup> GRADE** ... Students below the ninth (9) grade who are approved to take advanced work/accelerated work in the high school will receive credit on their transcripts for the courses taken and passed. Courses taken and completed before the ninth (9) grade will be calculated in the student’s grade point average, in calculating class rankings and used in meeting Honors Diploma requirements.



## Curricular Choices

**CREDIT FLEXIBILITY** ... Credit Flexibility is any alternative coursework, assessment or performance that demonstrates proficiency so that graduation credit can be awarded with approval of the school district. Participation is by application. An application must be pre-approved. Approved endeavors are added to a student's schedule. Once a pre-approved endeavor is complete, credit is awarded and posted on the student's transcript and counted as required graduation credit in the related subject area or as an elective. For more information, visit the credit flexibility information page on our district, building and/or [Ohio Department of Education and Workforce](#) websites.

**ADVANCED PLACEMENT COURSES** ... These courses are designed according to the curriculum of The College Board. They are extremely challenging and students should expect to encounter heavy homework assignments, extra writing, and intensified study. Only those who can make a strong commitment to studying should apply. **STUDENTS IN ADVANCED PLACEMENT CLASSES ARE REQUIRED TO TAKE THE CORRESPONDING COLLEGE BOARD AP EXAM FOR WHICH A FEE IS CHARGED. STUDENTS SEEKING TO DROP AP COURSES AFTER JUNE 1<sup>ST</sup> MUST SCHEDULE A MEETING WITH COUNSELOR, ADMINISTRATOR AND PARENT/GUARDIAN.**

**COLLEGE CREDIT PLUS** ... Students Grades 7-12 may attend college classes and earn simultaneous high school and post-secondary credit. Courses must apply towards a degree or certification program. No remedial courses will be allowed as part of this program. Course grades will be computed in the G.P.A. at the end of each semester. Students must talk to their school counselor and sign an *Intent to Participate* form **by April 1<sup>st</sup>** of each year. Examples of pathways from Cuyahoga Community College are as follows:

Cuyahoga County Community College's academic majors and descriptions of course sequences can be accessed and explored on their [FIND YOUR MAJOR or PROGRAM](#) webpage. Here are a few examples of many available programs:

[Associate of Arts in Business](#)

[Associate of Applied Science in Nursing](#)

[Associate of Arts with a Concentration in Art History](#)

**PHYSICAL EDUCATION CREDIT** ... In accordance with Board Policy 6.16, students who participate in approved interscholastic athletics or activities for at least two (2) full seasons are not required to complete the physical education one-half unit to graduate. However, the student **MUST** complete one-half ( $\frac{1}{2}$ ) unit in another course of study. **Students MUST turn in a PE Waiver form in order for credit to be assigned.**



## Procedures

**STUDENT COURSE LOAD** ...No student may carry fewer than five (5) credits in a school year. Students must also carry a minimum of two and one half (2.5) credits per semester.

Sequential courses must be taken and passed in order. Students may not take two (2) years of a sequential course in the same year.

In addition to academic courses, daily schedules for students grades 9-10 includes on-half hour of on campus lunch plus one-half hour of mentoring. Daily schedules for eligible students grades 11-12 include one hour of open campus lunch. Occasionally, students Grades 11-12 will be required to attend scheduled assemblies or conduct other school business during one-half hour of the open campus lunch hour.

**PROMOTION/FAILURE** ... Our Program of Studies is based on four (4) years of study, exploration, service and hard work. Students who fail courses and fall behind may seriously jeopardize completing their academic program in four (4) years. Failure of required courses necessitates make-up through rescheduling/repeating courses, taking pre-approved online courses, or pre-approved summer school at **student's/parent's expense may be an option**. Note that Fairview High School does not offer summer school on our campus and that some courses may not be available through area districts' summer schools.

Students will be promoted to the next grade level at the end of each year.

**TRANSFER STUDENTS** ... The placement and classification of a new student depends upon the evaluation of their academic record from their former school. The record will be evaluated on the basis of the Ohio High School Standards.

## Weighted Grades and Grade Point Averages

**Advanced Placement (AP) courses**, because of their academic rigor, are assigned a weighted grade are weighted. They receive one (1) additional quality point. Advanced Placement courses offered at Fairview High School include: AP Language & Composition, AP Literature & Composition, AP Biology, AP Physics, AP Environmental Science, AP U.S History, AP Government, AP World History, AP French, AP Spanish, AP Computer Software/Engineering, AP Seminar, AP Research, AP Calculus, and AP Probability and Statistics. Advanced courses receive .5 quality points and are as follows: Advanced English 9, Advanced English 10, Advanced U.S. History, Advanced French IV, Advanced Spanish IV, Advanced Geometry, Advanced Algebra 2/Trigonometry, Advanced Pre-Calculus, Advanced Biology, and Advanced Chemistry.



**Advanced courses...**because of their academic rigor, as assigned a weighted grade, receiving 0.5 additional quality points. Advanced courses offered at Fairview High School include: Advanced English 9, Advanced English 10, Advanced U.S. History, Advanced French IV, Advanced Spanish IV, Advanced Algebra I/Grade 8 Advanced Geometry, Advanced Algebra II/Trigonometry, Advanced Pre-Calculus, Advanced Biology, Advanced Chemistry.

**College Credit Plus** courses are also weighted with 1 additional quality point when the course is determined to be the equivalent of a weighted high school Advanced Placement and 0.5 additional quality point when the course is determined to be the equivalent of a weighted high school advanced course

**A grade of “D+” or below in any AP or Honors course will not be weighted.**

**GRADE POINT AVERAGE ...** Currently, a student’s GPA is calculated using the following grading scale and weighted grades:

A+= 97-100

A = 93-96

A- = 90-92

B+= 87-89

B = 83-86

B- = 80-82

C+= 77-79

C = 73-76

C- = 70-72

D+ = 67-69

D = 63-66

D- = 60-62

F = 59 and below

Grade	College Prep/General Curriculum	Advanced Course	Advanced Placement	*CCP Course
A+	4.0	4/5	5.0	5.0
A	4.0	4.5	5.0	5.0
A-	3.75	4.25	4.75	4.75
B+	3.25	3.75	4.25	4.25
B	3.0	3.5	4.0	4.0
B-	2.75	3.25	3.75	3.75
C+	2.25	2.75	3.25	3.25
C	2.0	2.5	3.0	3.0
C-	1.75	2.25	2.75	2.75
D+	1.25	1.25	1.25	1.25
D	1.0	1.0	1.0	1.0
D-	.75	.75	.75	.75
F	0	0	0	0



**SCHEDULE CHANGES/DROP POLICY** ... Choosing courses that fit your program of development is an extremely important process. Students and parents must work together in selecting those courses that help meet graduation requirements and the student's post-secondary plans. **Academic change requests (for core classes) after June 1<sup>st</sup> will require a meeting with Administration and a Parent/Guardian.** The Add/Drop period for electives occurs during the first week of each semester. All course changes require Administrative approval.

**No changes will be made to accommodate preferences for class periods, instructors, or lunch schedules.**

**EARLY GRADUATION POLICY** .... See Student Handbook for details of the policy of the Board of Education.

**COURSE CANCELLATION** ... Any course may be canceled because of insufficient enrollment or limited staffing. In such cases, students who signed up for a canceled course will be notified and alternative choices will be made.

**AUDITING OF CLASSES** ... Auditing a class involves, for the student and the teacher, all of the responsibilities of conventional enrollment. Specifically, this requires class attendance, responsibility for all assignments, writing all examinations and class participation. Permission for an audit must be approved by the principal. No credit may be earned. Dropping an audited course after the second full week of the semester will result in an "F".

**FEES** ... All fees are subject to change as directed and approved by the Board of Education. Courses with consumable items will incur a fee. Fees are published separately, in the Spring.

**TRANSCRIPTS** ... Transcripts are available upon request in the Counseling Office. Transcripts are mailed from the center to the schools you designate.

**ATHLETIC ELIGIBILITY** ... An athlete must be passing five (5) units of credit towards graduation each nine (9) weeks and have a GPA of at least 2.0 that grading period to be eligible for the next nine-week grading period. This is noncumulative and covers the entire grading period.



## COURSE LISTINGS

### ENGLISH

	Freshman Year	Sophomore Year	Junior Year	Senior Year
Regular	English 9	English 10	English 11	English 12
Accelerated	Advanced English 9	Advanced English 10	CCP 1010 and/or CCP 1020	CCP 1010 And/or CCP 1020
Advanced Placement		AP Seminar (in conjunction with Advanced 10)	AP Language and Composition	AP Literature and Composition
Electives:	Film as Literature Drama Through Literature Short Stories and Creative Writing			

#### English 9

Course Number	100	Credit	1.0
Course Fee	TBA	Length of Course	Year
Grade	9	Prerequisites	None

Description: In this program of language, literature, and composition, the stress is placed on the expansion of reading comprehension as well as understanding and applying subject-specific vocabulary established in junior high. Students are also given exposure to various types of literature, including fiction in the form of short stories, novels, and poetry and nonfiction in the form of research articles. The development of narrative, analytical, and research writing is stressed in composition, which follows MLA standards for formatting.

#### Advanced English 9

Course Number	101	Credit	1.0
Course Fee	TBA	Length of Course	Year
Grade	9	Prerequisites	Recommendation

Description: In the advanced section a more demanding reading program pertaining to supplemental books is undertaken. Like English 9, reading comprehension as well as understanding and applying subject-specific vocabulary are stressed. This rigorous academic course includes the study of fiction and nonfiction and the composition of narrative, analytical, and research writing, following MLA standards for formatting. Recommendation is needed from the eighth grade ELA teacher to be placed in this course. This course is weighted .5 quality points in the GPA.



**English 10**

Course Number	102	Credit	1.0
Course Fee	TBA	Length of Course	Year
Grade	10	Prerequisites	English 9

Description: Basic curriculum including grammar, composition, language, and literature are covered in this course. Students will read works of American authors and write responses to that literature. Vocabulary acquisition is given special emphasis. Student communication and composition skills are enhanced in order to articulate understanding and writing the essays.

**Advanced English 10**

Course Number	103	Credit	1.0
Course Fee	TBA	Length of Course	Year
Grade	10	Prerequisites	Recommendation

Description: Basic curriculum including grammar, composition, language, and literature are covered in this course. Students will read works of American authors and write responses to that literature. Vocabulary acquisition is given special emphasis. Student communication and composition skills are enhanced in order to articulate understanding and writing the essays. In the advanced program, topics are covered in depth and supplemental reading will be undertaken. This course is weighted .5 quality points in the GPA.

**English 11**

Course Number	105	Credit	1.0
Course Fee	TBA	Length of Course	Year
Grade	11	Prerequisites	English 10

Description: Research and writing will be a focus of this course. Writing assignments will not only build on basic writing skills but will focus on the following styles: expository, analytical, and narrative. A formal research paper is a course requirement. Students will read works from a variety of authors and write responses to that literature. Vocabulary acquisition will be emphasized.

**AP Language & Composition**

Course Number	106	Credit	1.0
Course Fee	AP Exam Fee	Length of Course	Year
Grade	11	Prerequisite	Recommendation

Description: Designed to be a college level course, rich in higher level thinking, AP English Language and Composition will challenge, inspire and enrich the eager writing student who has a passion for argument and analysis. Using a variety of materials (novels, fiction/non-fiction, poems, articles, essays, short stories, visuals-art/pop, art/photography/media, film, short film, news programs interviews, audio and video clips, etc.) chosen for their merit in the discussion/analysis of high interest cultural topics (previous topics have included: Education, Food, Beauty Standards, Gender Issues, Race and Religion in America, Politics and Economics and the Environment). Students, therefore, should expect a rigorous undergraduate English experience with intellectual challenges and considerable workload that culminates with the AP English Language and Composition Exam in May. The cost of the AP Exam is included in the course fees. Upon earning a 3 or higher, the student will be awarded college credit with is accepted at most colleges and universities.



**English 12**

Course Number	108	Credit	1.0
Course Fee	TBA	Length of Course	Year
Grade	12	Prerequisites	English 11

Description: This course will cover a range of literature drawn from various time periods and cultures. Writing assignments will reflect the college and career requirements (cover letters, resumes, etc.) along with analytical and research processes. Vocabulary acquisition and communication skills will be stressed.

**AP Literature & Composition**

Course Number	109	Credit	1.0
Course Fee	AP Exam Fee	Length of Course	Year
Grade	12	Prerequisite	Recommendation

Description: Designed to be a college level course, rich in higher level thinking, AP English Literature and Composition will challenge, inspire and enrich the eager literature student. Using works that range from the sixteenth through the twenty-first century and as well several genres and modes, the reading, writing, listening and speaking experiences will broaden human understanding about the world around us today. Students, therefore, should expect a rigorous undergraduate English experience with intellectual challenges and a considerable workload that culminates with the AP English and Literature Exam in May. The cost of the AP Exam is included in the course fees. Upon earning a 3 or higher, the student will be awarded college credit which is accepted at most colleges and universities.

**AP Capstone: Seminar**

Course Number	104	Credit	1.0
Course Fee	AP Exam Fee	Length of Course	Year
Grade	10	Prerequisite	Recommendation

Description: In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is a benefit to society. Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate and communicate using various media. After taking AP Seminar, students will have the opportunity to further hone their inquiry and analytical writing skills in AP Research.

**AP Capstone Seminar Assessment:** AP Seminar students are assessed with two (2) through-course performance tasks and one (1) end-of-course exam. The performance tasks consist of an individual research report and a team project and presentation and an individual research-based essay and presentation. All three assessments are summative and are used to calculate a final AP score of 1 to 5. Both the team and individual presentations are teacher-scored. The end-of-course exam is in May; it takes two (2) hours and consists of three (3) short-answer questions and one (1) essay question.



**Film as Literature**

Course Number	110	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This course is designed to explore literary and film techniques and their impact on communication in both academic and pop culture settings. In addition to reading several forms of literature, students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles and the effectiveness of language, gestures, and organization techniques while studying and applying to film and literature. Assignments will give students a critical understanding of the analysis and rhetorical techniques of communication with a focus on text and films. Students will be required to view films and read literature critically; participate in class discussion; work in small groups; and give and receive criticism.

**Short Stories & Creative Writing**

Course Number	111	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This course offers an introduction to the basic techniques of analyzing fiction and non-fiction. Working with a variety of texts, students learn to define questions of narrative construction, voice, characterization, theme and style. Students should expect to read substantial amounts of short stories, to actively participate in class discussions and to write several short literary analyses. The skills developed in the study of short stories will ultimately be used to create their own creative pieces. A portfolio of written work (samples of literary analysis and creative pieces) and portfolio defense are required for this course.

**Drama in Literature**

Course Number	112	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This course is designed for students interested in dramatic literature and theater. Through assignments and activities, students will define the elements of dramatic literature, analyze and create characters, and critique dramatic performances and literature. Students will demonstrate skills in minor theater techniques as well as focus on analyzing and showcasing dramatic texts. Students will explore a variety of texts and plays ranging from the ancient Greeks to modern pieces. They will explore and analyze the development of characters, motivations within the text and directorial and acting choices. Students will be expected to deliver, discuss and critique interpretations and speeches in class focusing on speech patterns, inflections and motivations.



## College Credit Plus ~ Options Onsite at FHS

### College Composition I

Course Number	CCP001	Credit	1.0
		Length of Course	Semester
Grade	9-12	Prerequisite	See Below

**Prerequisites:** Appropriate placement test score, or ENG-0900 Transition to College English, or ENG-0995 Applied College Literacies with a grade of “B” or higher; or ESL-1310 English as a Second Language: Grammar for Communication III and ESL-1321 ESL: Reading and Writing III, and ESL-1331 English as a Second Language: Speaking and Listening III; ESL-1510 English as a Second Language: Accelerated Grammar II, and ESL-1520 English as a Second Language: Accelerated Writing II, and ESL-1530 English as a Second Language: Accelerated Speaking & Listening II, and ESL-1540 English as a Second Language: Accelerated Reading II; or departmental approval.

Description: Study of and practice in academic writing; reading and interpretation of selected texts. Course may be thematically organized.

### College Composition II

Course Number	CCP003	Credit	1.0
		Length of Course	Semester
Grade	9-12	Prerequisite	See Below

**Prerequisites:** ENG-1010 College Composition I, or ENG-101H Honors College Composition I

Description: Study and practice of persuasive and argumentative writing with emphasis on analysis and research; reading and interpretation of selected texts. Course may be thematically organized.

## FINE ARTS

### Through the Lens I

Course Number	017	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This is an introductory course that will explore the elements of Photography and Video. Students will learn the technical aspects of Pre-production, Production and Post-production for Photography and Video. Students will explore the art of telling stories through imagery, editing and publishing their work. Students will use a wide variety of software and equipment such as Final Cut Pro, Photoshop and Lightroom.



**Through the Lens II**

Course Number	018	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	Through the Lens I

Description: Students will apply the elements learned in Through the Lens I to formulate an individual voice and personal style through the Photography and/or Video medium. This will be a self-paced course where students will propose a personalized learning path, document and reflect on their progress and publish their work for public display.

**Video Production**

Course Number	021	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This course introduces students to the theory and hands on application of video studio production and Television. Emphasis is on learning and applying terminology, aesthetics and fundamental principles to planning and producing television programs for airing in school, on cable and on the Internet. Students will gain experience with planning and producing content for school events and producing the morning news. Students will work in production teams in the studio and in the field to complete programs including editorials, interviews, commercials and promotional material as well as entertainment media.

**Innovative Design**

Course Number	022	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: Students will work in a collaborative learning environment where they will research, conceptualize, problem solve and refine ideas in order to develop innovative design solutions. Students will use drawing, modeling and computer-aided tools to design consumer products such as automobiles, toys, furniture, jewelry and footwear as well as individual areas of interest.

**Introduction to Drawing and Painting**

Course Number	024	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This course will provide the student with a strong foundation in drawing and painting. With an emphasis on technical and problem-solving skills, students will learn observational drawing techniques and processes and will be introduced to the materials and approaches to painting as a means of expression and communication.



**Intermediate Drawing and Painting**

Course Number	025	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	Intro. to Drawing & Painting

Description: This course offers a continued study in drawing and painting concepts and techniques. Students begin building a personal artistic style through the exploration of a variety of subjects, strategies and experimental processes. The investigation and discussion of contemporary art and artists will aid the students in this process.

**Accelerated Drawing and Painting**

Course Number	026	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	Inter. Drawing & Painting

Description: Designed as a self-directed course, students are responsible for developing and presenting a body of self-initiated work that expresses a personal vision and style. Students will receive personalized guidance and feedback through discussions, critiques and collaboration. With teacher recommendation, this course may be repeated for credit.

**Foundations of Art and Design**

Course Number	027	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This course examines the elements and principles of design as they relate both two-dimensionally and three-dimensionally in the visual arts. Using a broad variety of media including drawing, painting, printing and sculpture, an emphasis will be on learning design concepts and creation of artwork. Personal expression, innovation, creative problem-solving and real-world applications will be provided in this course.

**Sculpture and Expanded Media I**

Course Number	028	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: This interdisciplinary course allows students to have the opportunity to work 3-dimensionally in a variety of media, including clay. Craftsmanship, design and aesthetics will be emphasized as students create utilitarian and non-utilitarian forms. Students will explore various building and assembling processes and how things can be put together to give it context and meaning.



**Sculpture and Expanded Media II**

Course Number	029	Credit	.5
		Length of Course	Semester
Grades	9-12	Prerequisite	Sculpture and Expanded Media I

Description: Through guided instruction, students have the opportunity for a more intensive study of the sculpture process. In this course, students will begin developing a personal style and vision using media of their choice. An emphasis will be placed on craftsmanship, design, aesthetics and creativity. With teacher recommendation, this course may be repeated for credit.

**Introduction to Illustration and Graphic Design**

Course Number	031	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite.	Intro to Drawing & Painting

Description: This course introduces students to fields of art that inspire and inform the consumers. Students will conceptualize, communicate and create visual interpretations using both traditional and digital media. With a focus on visual problem-solving, the students will gain experience in storyboarding, creating sequential art, logos, gam and interior/exterior design.

**Creativity in the Community (C.I.C)**

Course Number	039	Credit	.5
		Length of Course	Semester
Grade	10-12	Prerequisite.	Full Fine Art Credit

Description: This course will give students the opportunity to service and collaborate with our community through the arts. Through a variety of research and problem-solving activities, students will be asked to link their own experiences, perspectives, and individual vision to the world around them. Examples include creating and maintaining art installations, community-based projects and promoting involvement and appreciation for the arts.

**Band**

Course Number	700	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	None

Description: The band program consists of the Symphonic Band and the "Pride of Fairview" Marching Band. Students are expected to be a part of both the Symphonic Band and the Marching Band. Emphasis is placed upon the performance of quality literature at the highest level possible. Exclusions from marching band requires a doctor's certificate or participation in a fall sport that **directly** conflicts with marching band. Performance attendance is mandatory for all enrolled.



**String Orchestra**

Course Number	705	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	None

Description: The String Orchestra performs at regular school concerts throughout the year. Repertoire performed is appropriate with the abilities of the members and covers a wide range of musical styles. All students currently enrolled in an orchestra class are eligible for the String Orchestra. Other interested students with prior experience must contact the director to schedule an audition.

**Chamber Orchestra**

Course Number	702	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	Audition

Description: The Chamber Orchestra is geared toward the more advanced string players. Students in the Chamber Orchestra perform at regular school concerts as well as additional performances throughout the greater Cleveland area. The repertoire performed is advanced and covers a wide range of musical styles. Auditions for this group will occur in April and are open to all 8<sup>th</sup>-11<sup>th</sup> grade strings players. Please contact the director to schedule an audition.

**Chorale**

Course Number	703	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: The Fairview High School Chorale is open to all high school students. Members of the Chorale are introduced to basic vocal skills and techniques for performing in a choral ensemble. There is continued development of vocal skills and a greater emphasis on the blend, balance and tuning of a performance choir. Music selections will consist of a variety of 3 and 4-part music. Students are given opportunities to perform at higher levels as skills improve. There is a concentration on sight singing and theory as it pertains to the music being rehearsed. Participation in the quarterly concerts is mandatory. During the fourth quarter, the Chorale will incorporate elements of movement with choreography as well as Pop and Broadway vocal techniques.



**Show Choir**

Course Number	704	Credit	1.0
		Length of Course	Year
Grade 10-12 may audition; Gr.9 audition by invitation only.		Prerequisite	Successful audition and high school music experience or 8 <sup>th</sup> grade choir

Description: The show choir known as Scarlet Singers is a select ensemble that provides a special opportunity to combine vocal skills with movement and rhythmic skills in a high-energy performing group. In addition to the school concerts each quarter, this ensemble performs for several special occasions including luncheons, festivals and community events. Participation in all concerts is mandatory. Membership will be limited to students with a high school background in music and will be determined by audition. **All students are expected to also take Chorale unless there is a scheduling conflict determined by the Guidance Office.** Students interested in “sharing” with another music ensemble must make arrangements with the directors prior to being placed in Show Choir.

**HEALTH/PHYSICAL EDUCATION**

In accordance with Board Policy 6.16, students who participate in interscholastic athletics, marching band, cheerleading, drill team or synchronettes for at least two (2) full seasons are not required to complete the physical education one-half (½) unit to graduate, although the student must complete one-half (½) unit in another course of study. **Students MUST turn in a PE Waiver form in order for credit to be assigned.**

**Physical Education**

Course Number	501	Credit	.5
		Length of Course	Year
Grade	9-12	Prerequisite	None

Description: Freshman Physical Education is a structured, co-educational program which provides a variety of learning experiences in team sports, individual and dual sports, aquatics (6-week requirement) and lifetime sports. There is a strong emphasis on physical fitness and testing. This course is designed for students who will not be participating in interscholastic athletics, marching band or cheerleading for their physical education requirement.

**Team Sports**

Course Number	503	Credit	.5
		Length of Course	Semester
Grade	10-12	Prerequisite	None

Description: Team sports will include softball, volleyball, football, basketball, and soccer. This class will also involve activities that would be considered a team sport through “relays” and “doubles” play. Examples of “relays” would include track, swimming and racquet sports. Examples of “doubles” play would include badminton and racquet ball. Freshman P.E. requirements must be satisfied in order to select this elective.



**Personal Fitness & Weight Training**

Course Number	504	Credit	.5
		Length of Course	Semester
Grade	11-12	Prerequisite	None

Description: This course addresses individual fitness levels through testing, evaluation and personal program planning. Included is daily cardiovascular work as well as an intense weight-training program. A swimming component for cardiovascular fitness and personal safety is also included. This course is an elective for upperclassmen. Note: There are components of the “Bigger, Faster, Stronger” program in this course. All students are expected to keep a fitness program on their computer for evaluation and credit. The class will also participate in bowling, soccer, golf and water polo. Freshman Physical Education requirements must be satisfied in order to select this elective.

**Health**

Course Number	555	Credit	.5
		Length of Course	Semester
Grade	9-10	Prerequisite	None

Description: This course introduces the student to the contemporary meaning of health and responsibilities of a wellness lifestyle. Emphasis is on exploring the “self” as it relates to a variety of timely topics. These topics include personality, suicide, cancer, tobacco and smoking, drugs/opiates prevention & abuse and addiction, human reproduction, dating relationships, contraceptives. Sexually Transmitted Diseases, nutrition and exercise, 2-year CPR certification (through Red Cross Certification) and final assessment & project. All students/parents per the State of Ohio must acknowledge that they have read and understand all the material presented in our program of studies. This will be completed via a Google Doc at the beginning of the semester.

**Health-Art Fusion: A Creative Journey to Wellness**

Course Number	557	Credit	.5
Course Fee	\$10	Length of Course	Semester
Grade	9-10	Prerequisite	None

Description: This interdisciplinary high school course explores the powerful connection between health and art, offering students a unique opportunity to enhance their well-being through creative expression. Through a combination of discussions, presentations, and hands-on projects, students will discover how visual art can assist in their understanding of health topics as well as providing a therapeutic tool for physical and mental health wellness. Students will gain an understanding of health advocacy while honing their artistic skills.



## MATHEMATICS

	Freshman	Sophomore	Junior	Senior
Alternative Mathematics Pathway	Algebra I with Lab Support	Geometry	Math Modeling & Reasoning	Contemporary Mathematics
College/Career Ready Mathematics Pathway	Algebra I	Geometry  Advanced Geometry	Math Modeling & Reasoning  Algebra II/Trig  Advanced Algebra II/Trig	Math Modeling & Reasoning  Algebra II/Trig  Math Analysis  Contemporary Math  CCP Math 1530 College Algebra  CCP Math 1530 College Trigonometry  AP Statistics
Advanced Mathematics Pathway	Advanced Geometry  EOC Geometry	Advanced Algebra II/Trig	Advanced Pre-Calculus  Math Analysis  CCP Math 1530 College Algebra  CCP Math 1540 College Trigonometry  AP Statistics	AP Calculus AB  Advanced Pre-Calculus  CCP Math 1530 College Algebra  CCP Math 1540 College Trigonometry  Math Analysis  AP Statistics
Accelerated Advanced Mathematics Pathway	Advanced Algebra II/Trig	Advanced Pre-Calculus  AP Statistics  CCP Math 1530 College Algebra  CCP Math 1540 College Trigonometry	AP Calculus AB  AP Statistics  CCP Math 1530 College Algebra  CCP Math 1540 College Trigonometry	AP Calculus BC  AP Calculus AB  AP Statistics  CCP Math 1530 College Algebra  CCP Math 1540 College Trig



**Algebra I**

Course Number	200	Credit	1.0
		Length of Course	Year
Grade	9	Prerequisite	None

Description: Algebra I is the first of four (4) math courses designated for the college bound student. Some topics include solving multi-step equations and inequalities, graphing and analyzing functions, solving systems of equations, simplifying exponential expressions, quadratics and modeling real-world situations through algebraic expressions. This course is a prerequisite for Geometry.

**Algebra I with Lab Support**

Course Number		Credit	1.0
Course Fee	TBD	Length of Course	Year
Grade	9	Prerequisite	Recommendation

Description: This Grade 9 Algebra I course is designed to provide students with a comprehensive foundation in algebraic concepts and problem-solving skills. Some topics include solving multi-step equations and inequalities, graphing and analyzing functions, solving systems of equations, simplifying exponential expressions, quadratics and modeling real-world situations through algebraic expressions. Through a structured curriculum, students will explore fundamental algebraic principles, equations, inequalities, functions and graphing techniques. Emphasis will be placed on developing critical thinking, mathematical reasoning, and analytical skills that are essential for success in higher-level mathematics. This lab period is specifically designed to provide individualized support and targeted intervention for students aiming to excel on the Ohio End-of Course exam, a crucial milestone in their academic journey. Students will be placed in this course based on previous math assessment data. This course is a prerequisite for Geometry.

**Geometry**

Course Number	202	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite	Algebra I

Description: This course emphasizes logical reasoning. Topics include patterns, congruence, similar polygons, parallel and perpendicular lines, circles and right triangle trigonometry. There will be a moderate emphasis on algebra skills. A scientific calculator, a ruler and a compass are required.

**Advanced Geometry**

Course Number	203	Credit	1.0
		Length of Course	Year
Grade	9	Prerequisite	Algebra I/Recommendation

Description: This course is designated for accelerated math students. Topics are covered in more depth than in geometry and daily requirements are more rigorous. A scientific calculator, a ruler and a compass are required. This course is weighted .5 quality point in the GPA.



**Algebra II/Trigonometry**

Course Number	205	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite.	Geometry

Description: This third-year course in the college prep sequence studies linear, quadratic functions, polynomials and trigonometry. Real world modeling is emphasized. Graphing calculators are required.

**Advanced Algebra II/Trigonometry**

Course Number	206	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite	Geometry/Recommendation

Description: This is an accelerated course of Algebra II and Trigonometry. Topics are covered in more depth than in Algebra II/Trigonometry and daily requirements are more rigorous. Matrices, quadratics, functions, trigonometry and real-world modeling are emphasized. Graphing calculators are used extensively and are required. This course is weighted .5 quality point in the GPA

**Mathematical Modeling & Reasoning**

Course Number	216	Credit	1.0
Course Fee	TBD	Length of Course	Year
Grade	11-12	Prerequisite	Algebra I/Geometry

Description: Mathematical Modeling & Reasoning is a third or fourth-year math course that aligns with Ohio's Mathematical Pathways. It is intended for students who plan on post-secondary education majoring in social sciences such as sociology/psychology, humanities (history/English/pre-law), or health sciences/medicine. The course includes topics in Number & Quantity, Algebra, Functions, Statistics & Probability, and Geometry. The course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices. Students will engage in advanced Quantitative Reasoning which is the application of 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.

**Math Analysis**

Course Number	207	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Algebra II/Trigonometry

Description: Math Analysis is the fourth course of a college prep sequence designed to prepare the students for college mathematics. Topics covered are trigonometry, polynomials, logarithmic and exponential functions, probability, matrices and conic sections. Graphing calculators are required.



**Advanced Pre-Calculus**

Course Number	208	Credit	1.0
		Length of Course	Year
Grade	10-11	Prerequisite	Honors Algebra II/Trig

Description: This course is designed to give students a rigorous training for calculus. Topics include analysis of polynomial functions, trigonometry, conic sections, logarithms, probability and introduction to limits. Graphing calculators are required. The grade in this course is weighted .5 quality points in the GPA.

**Contemporary Mathematics**

Course Number	209	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Algebra II/Trig

Description: This course is an introduction to applications of mathematics in contemporary life as well as financial literacy, dimensional analysis as applied to measurement and unit conversions, graph theory, topics in probability and descriptive statistics and applications of mathematics in contemporary life.

**AP Calculus A/B**

Course Number	211	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Recommendation

Description: Students who performed at a C level or higher in pre-calculus are eligible for AP Calculus. This course is a rigorous study of calculus using the AB syllabus. Students must complete a summer packet before school starts and are expected to spend 1-2 hours on daily homework. Graphing calculators are required. The grade in this course is a weighted one (1) full quality point in the GPA. Students are required to take the AP Exam in May. The cost of the AP Exam is included in the course fees.

**AP Calculus B/C**

Course Number	215	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Recommendation

Description: This year-long course is open to students who have successfully completed AP Calculus A/B. Participants will explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. They will perform experiments and investigations and solve problems by applying your knowledge and skills. The course culminates with the AP Exam. More information can be found here: [AP Calculus B/C](#)



**AP Statistics**

Course Number	212	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Algebra II/Trig.

Description: Students who have successfully completed an Algebra II course are eligible to take AP Statistics. This course is a rigorous study of statistics following the College Board course of study. Topics will include experimental design, exploring data, sampling techniques, probability and inference. Students are expected to spend 1-2 hours on daily homework. Graphing calculators are required (TI-84 plus-preferred model). The grade in this course is weighted one (1) full quality point in the GPA. Students are required to take the AP Exam in May. The cost of the AP Exam is included in the course fees.

**College Credit Plus ~ Options Onsite at FHS****CCP Math 1530 College Algebra**

Course Number	CCP027	Credit	1.0
		Length of Course	Semester
Grade	11-12	Prerequisite	See Below

Description: Topics include extensive function (linear, quadratic, polynomial, radical, roots, power, piece-wise, exponential, logarithmic) representation including verbal, numeric, graphic, and algebraic, identifying properties of the different function types, transformation of functions, solve linear, polynomial, rational, absolute value, exponential and logarithmic equations. Solve quadratic, polynomial and rational inequalities in one variable. Determine and graph conic sections, solve non-linear systems of equations and inequalities and solve systems of equations using matrices.

Includes applications and activities to build skills in problem solving.

*Lecture: 4 hours*

**Prerequisite(s):** MATH-0965 Intermediate Algebra or qualified math placement; or departmental approval for equivalent coursework. Note: MATH-1200 or MATH-1280 taken prior to Fall 2016 or MATH-1270 taken prior to Summer 2017 will also be accepted to meet prerequisite requirements for this course.

OAN Approved: Ohio Transfer 36 TMM001 College Algebra and TMM002 Pre-Calculus (1 of 2 courses, both MATH-1530 and MATH-1540 must be taken to meet TMM002).

**CCP Math 1540 Trigonometry**

Course Number	CCP031	Credit	1.0
		Length of Course	Semester
Grade	11-12	Prerequisite	See Below

Description: This course is part of a two-semester sequence. Topics include trigonometric functions and their values for all angles, vectors and oblique triangles, graphs of trigonometric functions, trigonometric identities and equations.

Includes applications and activities to build skills in problem solving included.

*Lecture: 3 hours*

**Prerequisite(s):** MATH-1530 College Algebra or qualified math placement; or departmental approval: equivalent coursework. Note: MATH-1275, MATH-1280, Math-1521, or MATH-152H taken prior to Fall 2016 will be accepted to meet prerequisite requirements for this course.

OAN Approved: Ohio Transfer 36 TMM003 Trigonometry and TMM002 Precalculus (1 of 2 courses, both MATH-1530 and MATH-1540 must be taken to meet TMM002).



## SCIENCE

### \*Science Courses applicable for the Honors Diploma

	Freshman Year	Sophomore Year	Junior Year	Senior Year
Standard Science	Physical Science	Physical Science	* Chemistry *Physics Anatomy & Physiology Environmental Science	*Physics *Environmental Science Anatomy Materials Science
Advanced Science	Advanced Physical Science	Advanced Physical Science  Advanced Biology	*Advanced Chemistry *Physics *AP Biology if ALSO enrolled in Advanced Chemistry *AP Physics *AP Environmental Science	*Physics *AP Biology *AP Physics *AP Environmental Science

\* This pathway document applies to the transition year, 2024-2025. Starting in 2025-2026, the typical pathway will be Physical Science > Biology > Chemistry > Physics.

### Biology

Course Number	300	Credit	1.0
Grade	9 - 10	Length of Course	Year
		Prerequisite	None

Description: Biology is a ninth-grade course that focuses on inquiry and investigation. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Students create individual and group projects to demonstrate understanding of course content. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Through activities and labs, students will explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

Either Biology or Advanced Biology is required to graduate high school.



**Advanced Biology**

Course Number	301	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite	Recommendation

Description: Advanced Biology is a laboratory-centered course designed for college-bound students interested in science-related fields. The structure, function and evolution of living organisms are explored in detail. Reproduction of organisms and heredity traits of plants, animals and evolution are studied. Students taking Advanced Biology should have a strong work ethic, be independent and self-motivated workers and interested in science. Students planning on taking AP Biology should take Advanced Biology as a prerequisite. This course is weighted .5 quality point in the GPA. Students should be willing to perform a significant number of independent, out of class assignments.

**Physical Science**

Course Number	318	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite	None

Description: Physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion.

Physical Science includes inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information. In addition to course content students will learn and use the metric system, record and graph data, use math to solve problems, safely perform labs, and demonstrate an understanding of course content in a variety of ways such as lab write-ups, quizzes, tests and projects. Math skills will be used in class on a daily basis. Students in Physical Science should be concurrently enrolled in Algebra I or Geometry.

**Advanced Physical Science**

Course Number	319	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite	Recommendation

Description: Advanced Physical Science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, Earth, and space science, along with historical perspective and mathematical reasoning.

In Advanced Physical Science, students regularly engage in asking scientific questions that drive their investigations and lead to increasingly sophisticated evaluation of data and their presentation. Students also have opportunities to learn and apply engineering-specific practices such as designing solutions to identified problems. In addition to course content students will learn and use the metric system, record and graph data, use math to solve problems, safely perform labs, and demonstrate an understanding of course content in a variety of ways such as lab write-ups, quizzes, tests and projects. Math skills will be



used in class on a daily basis. Students in Advanced Physical Science should be concurrently enrolled in Adv. Geometry or Adv. Algebra II/Trigonometry.

### Materials Science

Course Number	304	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Biology

Description: This course involves the study of solid matter-the properties and basic chemistry of solids, metals, ceramics/glass, polymers and composites. Students will participate in lab investigations, projects, demonstrations and problem solving. A multi-instructional approach is used in the course. This approach focuses on solving problems, creating student projects, working in small groups on open-ended experiments, writing as a means of learning, participating in demonstrations and activities, using experts in materials and using a large variety of written resources and videos. The students will experience many activities that require critical thinking and problem-solving skills. This lab-oriented, hand-on class will use a record-keeping method that is referred to as “journaling”. The students will use a journal (binder) to keep a daily record of class events. Class events will include: activities, demonstrations, note-taking, extended labs, article summaries, reflections, etc. Students will also receive help in learning to organize their journals.

### Chemistry

Course Number	302	Credit	1.0
		Length of Course	Year
Grade	10-12	Prerequisite	Algebra I preferred

Description: Chemistry is designed for college-bound students who are not intending to pursue a science degree. The course meets the needs of students who plan technical or allied health careers. Students are taught lab skills applicable to studies in other science courses. Theoretical aspects of chemistry such as atomic structure, atomic theory, stoichiometry, bonding, physical states of matter and energy relationships in chemical reactions are studied. A scientific calculator is required.

### Advanced Chemistry

Course Number	303	Credit	1.0
		Length of Course	Year
Grade	10-12	Prerequisite	Advanced Biology/ Advanced Algebra Preferred

Description: Advanced Chemistry is designed for college-bound students interested in a science related major or minor in college. Theoretical aspects of chemistry such as atomic structure, atomic theory, stoichiometry, bonding, physical states of matter and energy relationships in chemical reactions are studied. Students must have a competent mathematics background for successful completion of this course. A scientific calculator is required. This course is weighted .5 quality point in the GPA.



**AP Biology**

Course Number	307	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Advanced Biology, Chemistry/Advanced Chemistry

Description: Advanced Placement Biology is a College Board, second-year biology program requiring extensive laboratory work in all areas of advanced biology. As an AP course, it offers college level work for students interested in biological or medical careers. Approval of the instructor is necessary for enrollment. The grade in this course is weighted one (1) full quality point in the GPA. It is STRONGLY recommended that students take and pass chemistry prior to enrolling in AP Biology. A summer assignment and extensive homework are required. Students are expected to take the AP Exam in May. The AP exam fee is included in the course fees.

**Physics**

Course Number	305	Credit	1.0
		Length of Course	Year
Grade	10-12	Prerequisite	Successful experience in Algebra I

Description: Physics is a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The content of this course will include the study of forces and motion, energy transformations. Electricity and magnetism, and waves. Laboratory activities will introduce, support and apply concepts. Students engage in investigations to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

**Anatomy & Physiology**

Course Number	309	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Two years of any science

Description: Anatomy & Physiology is a college preparatory lecture and lab-based course focused on the application of knowledge to real clinical situations and career development. This course will focus on the study of the human body by examining biochemical processes, structure and function and the interaction of body systems. These principles will be integrated with many topics including genetics, biotechnology, disease and medicine. The course will include dissection and students should be willing to participate. This course is designed for juniors or seniors who want to attend medical school or pursue a career in the medical field in areas such as nursing, veterinary, physical/occupational therapy and athletic training.



**Environmental Science**

Course Number	308	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Two years of science

Description: Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, ethics, political science, economics, chemistry, and geography. Environmental Science is a project-based course that provides students the opportunity to practice applying scientific methods to practical, real-life problems. Students are challenged to analyze environmental concepts and processes in order to propose and justify solutions to environmental problems. Students will have the opportunity to engage in service-learning, career development, and hands-on, inquiry-based laboratory and/or fieldwork investigations.

**AP Environmental Science**

Course Number	315	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite.	Two years of science

Description: The AP Environmental Science course is designed to be the equivalent of an introductory college course in Environmental Science. Suggested prerequisite courses for AP Environmental Science are: Advanced Biology, Advanced Chemistry, and AP Biology. The grade in this course is weighted one (1) full quality point in the GPA. Students are expected to take the AP exam in May. The AP exam fee is included in the course fees.

[APES Course and Exam Description](#)

**AP Physics I**

Course Number	306	Credit	1.0
		Length of Course	Year
Grade	12	Prerequisite	Strong Algebra Skills

Description: The goal of AP Physics I is to provide students with an experience equivalent to an introductory college level physics course. Through the study of Physics, students will develop an understanding of how physics is experienced in their everyday lives and how physics is applied in the “real world”. Students will develop and reinforce strong independent problem solving and critical thinking skills as well as collaborative problem-solving skills. AP Physics I requires a serious commitment from students prepared to devote significant time outside of class to work on class assignments and independent study. The cost of the AP Exam is included in the course fee.



## SOCIAL STUDIES

	Freshman Year	Sophomore Year	Junior Year	Senior Year
<b>Social Studies</b>	U.S. History	Government	World History	Psychology Sociology
<b>Advanced</b>	Advanced U.S. History	AP U.S. History	AP Government AP Research	AP World History AP Research

### U.S. History

Course Number	402	Credit	1.0
		Length of Course	Year
Grade	9	Prerequisite	None

Description: This course examines the history of the United States of America from post-Civil War (Reconstruction) to modern day twentieth and twenty-first century history. This course will also include a review of the origins of American government and its founding documents. The causes and results of the major military, political, economic and social movements are at the core of the course with an emphasis being placed on the late nineteenth and twentieth centuries. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The student is expected to continue to improve study habits and to develop the necessary skills which will promote a better understanding of the story of our nation.

### Advanced U.S. History

Course Number	403	Credit	1.0
		Length of Course	Year
Grade	9	Prerequisite	Recommendation

Description: Advanced U.S. History is a two-semester survey covering post-Civil War (Reconstruction) to the present. The reading and writing demands of the course are substantial, with a focus on preparation for the skills necessary in future AP courses. Subject matter will be presented chronologically with an emphasis on the political, social, economic and cultural development of our nation. Students will develop a better understanding of the great issues in United States history while improving their writing, research,



and critical thinking skills using both primary and secondary sources. This course is weighted .5 quality point in the GPA.

### **AP U.S. History**

Course Number	405	Credit	1.0
		Length of Course	Year
Grade	10	Prerequisite	Recommendation

Description: Advanced Placement United States History is a two-semester survey covering exploration and discovery to the present. The reading and writing demands of the course are substantial and equal to a college level introductory course in United States history. Subject matter will be presented chronologically with an emphasis on the political, social, economic and cultural development of our nation. Students will develop a better understanding of the great issues in United States history while improving their writing, research and critical thinking skills using both primary and secondary sources. In May, all students in this course will take the AP Exam. The cost of the AP Exam is included in the course fees. The grade in this course is weighted one (1) full quality point in the GPA.

### **Modern World History**

Course Number	408	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	None

Description: World History is the study of how our modern world has been shaped by political empires, religions and revolutionary events. In this non-linear class, current events of global concern will be examined using significant historical movements as a backdrop. This course aims to bring an old cliché to life: Those who do not know history are doomed to repeat it.

### **AP World History: Modern**

Course Number	410	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	None

Description: This course is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

### **Government**

Course Number	406	Credit	1.0
		Length of Course	Year
Grade	10	Prerequisite	None

Description: This course provides an analysis of the United States government and our Federal system which includes the workings of state and local governments. It will also provide an introduction to the study of the American Economic system. Students will explore contemporary political and economic issues, including those that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge



and skills to manage limited financial resources effectively for a lifetime of financial security. Further, increased understanding of political socialization throughout the course will help students develop their individual political ideology and identity to help in carrying out future civic duties and voting.

### AP Government

Course Number	407	Credit	1.0
		Length of Course	Year
Grade	11	Prerequisite	Recommendation

Description: In AP U.S. Government, the students will be given an analytical perspective on government and politics in the United States. The students will study the general concepts of the Constitution, political beliefs and behaviors, citizen actions, the major institutions of the Federal government, public policy and civil rights and liberties. The students will also be required to interpret and analyze the concepts they are learning. Upon completing this course, the students will be able to know and understand important facts, concepts, and processes of the U.S. Government, recognize and understand typical patterns and events in politics of the United States and analyze and interpret data in charts and tables pertaining to the U.S. government. In May, all students in this course will take the AP Exam. The cost of the AP Exam is included in the course fees. The grade in this course is weighted one (1) full quality point in the GPA.

### AP U.S. Capstone: Research

Course Number	107	Credit	1.0
		Length of Course	Year
Grade	11	Prerequisite.	Recommendation

Description: AP Capstone Research is designed to be a college level course, rich in higher level thinking, allowing students to deeply explore an academic topic, problem or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing and synthesizing information as they address a research question. Students explore their skill development, document their processes and curate the artifacts of the development of their scholarly work in a portfolio. Students, therefore, should expect a rigorous undergraduate English experience with intellectual challenges and a considerable workload that culminates with an academic paper of 4,000-5,000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. The cost of the AP Exam is included in the course fees. Upon earning a 3 or higher, the student will be awarded college credit which is accepted at most colleges and universities.

### Sociology

Course Number	401	Credit	.5
		Length of Course	Semester
Grade	12	Prerequisite	None

Description: Sociology is the systematic and scientific study of human society, human behavior and interactions between groups and individuals. Students will survey the principles, major sociological perspectives, theories, key contributors to the study of sociology, concepts, ethics and research methods used in the field. Other topics covered will include concepts such as norms, statuses, roles, social



stratification, culture and mass media, social interaction, social class and inequality, race, ethnicity, gender issues and application to current events and the individual student's life.

### Psychology

Course Number	400	Credit	.5
		Length of Course	Semester
Grade	12	Prerequisite	None

Description: Psychology is the study of how people process thoughts and develop personalities within various social constructs. Psychology will emphasize the critical thinking skills needed to analyze the connection between cognitive processes and human behavior. In this class, students will examine how childhood cognitive development can impact mental well-being. Other important topics covered will include major scientific approaches toward psychology, key contributors to the study of psychology, ethics and research models, brain, human and moral development, dreams and altered states of consciousness, personality theory, major debates in psychology such as the nature vs. nurture debate, mental illness/disorder, therapy models, and application to the individual student's life

## WORLD LANGUAGES

### French I

Course Number	605	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	None

Description: French I class develops basic conversational and written patterns that are reinforced through grammar exercises, auditory language activities and a variety of multimedia materials. French customs and geography are also introduced. Many cultural topics will be explored and a variety of project-based assessments using technology will enhance the language learning. A grade of a C or better in your English Class is highly recommended.

### French II

Course Number	606	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	French I

Description: French II puts equal emphasis on the four language skills (speaking, comprehension, reading, and writing). Through varied activities, the student will become more proficient in speaking, reading, writing, and comprehension of the spoken French word. Many cultural topics will be explored and a variety of project-based assessments using technology will enhance the language learning. A grade of C or better in Level I is highly recommended.



**French III**

Course Number	607	Credit	1.0
		Length of Course	Year
Grade	12	Prerequisite	Recommendation

Description: Increased proficiency in the language will be the number one goal of this course. The student will improve their ability to converse and comprehend spoken French, as well as develop and refine reading and writing skills. Some short stories will be read. Cultural study will continue to expand as well as the use of a variety of techniques to enhance the spoken language. A variety of project-based assessments using technology will reinforce and enhance the spoken language. Student work will be more rigorously assessed. A grade of C or better in Level II is highly recommended.

**Advanced French IV**

Course Number	608	Credit	1.0
		Length of Course	Year
Grade	12	Prerequisite	French III

Description: Increased proficiency and fluency in the language will be the number one goal of this course. The student will improve their ability to converse and comprehend spoken French, as well as develop and refine reading and writing skills. A French novel will be read. Cultural study will continue to expand as well as the use of a variety of techniques to enhance the spoken language. A variety of project-based assessments using technology will reinforce and enhance the language learning. Student work will be more rigorously assessed. This class may be held concurrently with AP French V. The grade in the course is weighted .5 quality points in the GPA. A grade of C or better in Level II is highly recommended.

**AP French**

Course Number	609	Credit	1.0
		Length of Course	Year
Grade	12	Prerequisite	Recommendation

Description: In this course, the student will assume the same work as that of a second-year college student. The student will have an added advantage for language success on college placement exams and in college language courses. In-depth study of various cultural topics and related field trips are also a possibility. Students in this course may be scheduled concurrently with those in French IV. The grade in this course is weighted one (1) full quality point in the GPA. An average grade of C or higher in French IV is highly recommended. The cost of the AP Exam is included in the course fees.

**Spanish I**

Course Number	600	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	None

Description: Spanish I is for students who wish to start the study of Spanish. From the beginning, emphasis is placed on all four language skills-listening, speaking, reading and writing. Basic vocabulary and grammar



are developed through conversation, oral and written practice, workbook exercises and CD's and videos with native speakers. A cultural overview of the many parts of the Spanish-speaking world is included. Also, the incorporation of technology will further enrich the course. A grade of C or better in your English class is highly recommended.

### Spanish II

Course Number	601	Credit	1.0
		Length of Course	Year
Grade	9-12	Prerequisite	Spanish I

Description: Spanish II builds upon the base established in Spanish I as new material is interwoven with a review of the old. Vocabulary and grammar study continue through conversation, games, workbook exercises, CD's and videos as the student develops an active, conversational usage of Spanish. Cultural study continues to expand students' knowledge of the Spanish-speaking world. Also, the incorporation of technology will further enrich the course. A grade of C or better in Level I is highly recommended.

### Spanish III

Course Number	602	Credit	1.0
		Length of Course	Year
Grade	10-12	Prerequisite	Spanish II

Description: In Spanish III, there is continued review of grammar along with a focus on new material including more verb tenses, vocabulary and the Spanish speaking world. Class discussions, interactive activities, informal discussions and writings help develop more effective communication skills useful in our increasingly global society. Students continue and deepen their study of the language, lands and people of the Spanish speaking world. A grade of C or better in Level II is highly recommended.

### Advanced Spanish IV

Course Number	603	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	Spanish III

Description: Spanish IV H continues practice in language production and comprehension incorporating previously learned material with more accuracy, vocabulary and grammatical skill. Writing practice is designed to develop proficiency and creativity. Oral skill is developed through daily discussions on a wide variety of topics and settings. Literature studied includes short stories and articles from a wide variety of authentic sources and more in-depth focus on the cultures and histories of the Spanish speaking countries are explored. Emphasis is on preparing students for college entrance exams and courses.

### AP Spanish

Course Number	604	Credit	1.0
		Length of Course	Year
Grade	12	Prerequisite	Recommendation

Description: This final course in the Spanish curriculum is designed for those students who would like to strengthen, expand, and "put the finishing touches" on their language skills prior to employment or college entrance. Students conduct a major project per quarter, read numerous authentic materials of various formats, watch/discuss movies produced in the Spanish speaking world, increase native-like ability



to synthesize their written and spoken production and comprehension skills. The grade in this course will be weighted one (1) full quality point in the GPA and is conducted as a second-year college level class. An average grade of C or higher in Spanish IV honors is highly recommended. The cost of the AP Exam is included in the course fees.

## ELECTIVES

### **Civics In Action**

Course Number	416	Credit	2.0
		Length of Course	Year
Grade	11-12	Prerequisite	Government

Description: This 2-credit elective course utilizes a learning-by-doing approach that helps students develop civic knowledge and skills through projects and experiences in their own Fairview community in order to become thoughtful and active participants in collective achievement of the common good. The course is grounded in the study of history and literature. Students practice empathy, respect, and perspective-taking as key qualities of good citizenship. They explore current events that introduce issues, dilemmas, and controversies that shape civic life today and empower students to make informed and meaningful choices. Students engage in authentic civic action projects that spring from their personal observations and utilize their personal talents and tolls to accomplish positive change. Students are expected to document their experience and accomplishment in their portfolios. Those who successfully complete the course also earn the Ohio Graduation Seal for Community Service.

(Note: Students who complete the course earn 1 English Credit and 1 Social Studies credit.)

### **Financial Literacy / Economics**

Course Number	421	Credit	.5
		Length of Course	Semester
Grade	9-12	Prerequisite	None

Description: Financial Literacy/Economics provides a blueprint for navigating the world of micro economics and financial literacy. Some topics include employment, banking, taxes, investing, and personal spending. More importantly, students will gain the relevant personal financial skills needed to live in a community with endless choices but limited financial resources.

### **Civics**

Course Number	422	Credit	.5
		Length of Course	Semester
Grade		Prerequisite	None

Description: The aim is to empower students to become active, informed, and responsible members of society, capable of understanding the complexities of their world, exercising their rights, and contributing



positively to their communities. This course will help students' find their voice and use their strengths as a team to work towards a common goal. The outcome of this semester-long course is to make a positive change in their lives, school, community, or world. It's up to the students to choose their path.

## PROJECT LEAD THE WAY (PLTW)

Courses Provided in Collaboration with Polaris Career Center

### ENGINEERING

#### Introduction to Engineering Design (IED)

Course Number	913	Credit	1.0
		Length of Course	Year
Grade	9-10	Prerequisite	None

*IED is open to students in 9<sup>th</sup> -10<sup>th</sup> grade. Students in the 11<sup>th</sup> and 12<sup>th</sup> grade need permission from their instructor and guidance counselor.*

Description: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

#### Principles of Engineering (POE)

Course Number	914	Credit	1.0
		Length of Course	Year
Grade 10-12		Prerequisite	See Below

*POE is open to students in 10<sup>th</sup> – 12<sup>th</sup> grade. Students in 9<sup>th</sup> grade need permission from the instructor and guidance counselor. Successful completion of Algebra I is recommended.*

Description: Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration and presentation.

#### Digital Electronics (DE)

Course Number	915	Credit	1.0
		Length of Course	Year
Grade	10-12	Prerequisite	None

*DE is open to students in 10<sup>th</sup> – 12<sup>th</sup> grade. Students in 9<sup>th</sup> grade need permission from the instructor and guidance counselor.*

Description: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design.



Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry including logic gates, integrated circuits and programmable logic devices.

### Civil Engineering and Architecture (CEA)

Course Number	931	Credit	1.0
		Length of Course	Year
Grade	10-12	Prerequisite	None

Description: Students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software.

### PLTW Honors Credit Option

The PLTW Honors course option is designed to provide students with an enhanced and enriched learning experience. The PLTW honors course curriculum is extended beyond the core student learning outcomes. Honors credit places additional emphasis on independent study, critical thinking and student research. Students enrolled in the honors credit option will be required to complete additional activities outlined in each course. See your school counselor and/or the instructor for specific criteria and requirements.

### AP Computer Science Principles (AP-CSP)

Course Number	916	Credit	1.0
		Length of Course	Year
Grade	11-12	Prerequisite	None

*AP-CSP is open to students in 11<sup>th</sup> – 12<sup>th</sup> grade. Students must have taken 1 previous PLTW Engineering Course earning a passing grade. Students in grades 10<sup>th</sup> – 12<sup>th</sup> can be awarded special permission from the instructor and guidance counselor.*

Description: Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity and simulation. PLTW is recognized by College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP-CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP-CCP assessment.

**Any Polaris PLTW Course drop requests must be initiated within the first ten (10) days (after the first day of class).**

**For course drop requests after the tenth day of class, the teacher will ask the counselor to schedule a mandatory meeting including the student, parent/guardian, teacher and Mrs. Xander and /or Mr. Rhamy.**





# GRADUATION REQUIREMENTS & GRADUATION SEALS

FOR THE CLASS OF 2023 AND BEYOND

## 1

## COVER THE BASICS

You must earn a minimum total of 21 credits and take your required tests.



English/  
Language Arts  
**4 credits**



Mathematics  
**4 credits**



Science  
**3 credits**



Social  
Studies  
**3 credits**



Health  
**.5 credit**



Physical  
Education  
**.5 credit**



Fine  
Arts  
**1 credit**



Electives  
**5 credits**

## 2

## SHOW COMPETENCY

If testing is not your strength, there are three additional ways to show competency.

### 1

#### CAREER READINESS:

Demonstrate one of two career-focused activities and complete the Ohio Means Jobs Seal.

1. Proficient scores on WebXams at Polaris
2. Earn a 12-point industry credential

### 2

#### ENLIST IN THE MILITARY:

Show evidence of enlistment to your counselor.

### 3

#### COMPLETE COLLEGE COURSEWORK:

Earn college credits for one college level math and/or college level English course through Ohio's free College Credit Plus Program.

Earn a passing grade of 684 or higher on Ohio's Algebra I and English Language Arts II tests. Students who do not pass a test will be offered support and must retake the test at least once.





# GRADUATION REQUIREMENTS & GRADUATION SEALS

FOR THE CLASS OF 2023 AND BEYOND

## 3

## SHOW READINESS

Students will demonstrate readiness by earning at least two (2) diploma seals, one of which must be state defined.

These seals give you the chance to demonstrate academic, technical, and professional skills and knowledge that align to your passions, interests and planned next steps after high school.



OhioMeansJobs  
Readiness Seal (Ohio)



Industry Recognized  
Credential Seal (Ohio)



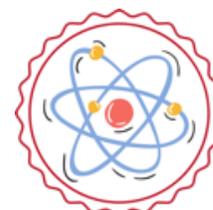
College Ready Seal  
(Ohio)



Military Enlistment  
Seal (Ohio)



Citizenship Seal  
(Ohio)



Science Seal  
(Ohio)



Honors Diploma Seal  
(Ohio)



Biliteracy Seal  
(Ohio)



Technology Seal  
(Ohio)



Community Service Seal  
(Local)



Fine & Performing  
Arts Seal (Local)



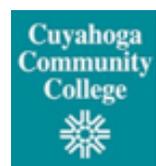
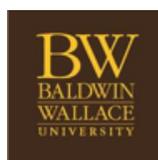
# POLARIS

## CAREER CENTER



Polaris offers a wide range of exciting career-technical programs for students beginning in 11<sup>th</sup> grade, all featuring high-quality training in a state-of-the-art setting.

Many Polaris programs provide you access to industry certifications which open the door to employment. In addition, you can begin earning free or reduced cost college credit before you ever step foot on a college campus – saving you time and money!



After graduation, you can go directly into the job market or capitalize on those college credits by continuing your education at a two- or four-year college/university.

Visit [www.polaris.edu](http://www.polaris.edu) for a complete description of all Polaris programs or contact the Polaris Enrollment Office at 440.891.7732.

### **General Information**

#### **Registration/Enrollment**

Our application process has never been easier. You can register online **NOW** at [www.polaris.edu/register](http://www.polaris.edu/register). The application only takes a few minutes to complete.

**Contact the Polaris Enrollment Office at 440.891.7732 with additional enrollment related questions.**

#### **Student Fees**

There is no tuition cost to attend Polaris. However, all programs will require fees to cover the cost of tools, uniforms, workbooks, etc. Payment plans are available.

#### **Transportation**

Busing to and from Polaris is provided by your school district. A Polaris parking permit must be obtained if you plan to drive to school.



**INSPIRING**  
OUR STUDENTS  
**TO ACHIEVE**  
CAREER SUCCESS



Fairview High School: Program of Studies 2024-2025

## **2024-2025 Polaris Career-Technical Programs**

### **Aeronautics**

Your career opportunities will soar as you explore the exciting field of aviation with a focus on aeronautical studies, aeronautical systems, engineering technology, air traffic control, aviation management, flight technology and drone operations.

### **Automotive Technology**

Using the latest equipment, you will learn to maintain, diagnose and service automobiles with an emphasis on brake and electrical systems, engine performance systems, transmissions, suspensions, alignments, engine repair and automotive heating and cooling.

### **Baking & Pastry Arts**

You will learn the art of producing quality bakery products with an emphasis on decorative pastry arts. From bread production to chocolates and candies, you will learn the ABCs of food and food preparation. These skills will be developed and refined in the class-managed bakery, *Indulge*.

### **Business Professional & Office Technology**

Skilled office professionals are in demand. In this program, you will learn the latest office management skills and techniques and become proficient in Microsoft Office, computer operations, business communications, finance, and customer service.



### **Computer Networking Academy**

The Computer Networking Academy will open the door to the high-wage, high-demand field of computer networking, cyber security, and information technology. This program will give you an opportunity to earn valuable industry certifications and college credits prior to graduating from high school.

### **Construction Trades**

Construction Trades teaches you how to maintain, repair, construct and remodel buildings and homes in a real-world, practical setting. The program includes the fundamentals of blueprint reading, site preparation, carpentry, plumbing, wiring, roofing, and machining.

### **Cosmetology**

Learn to care for hair, skin and nails and create style and beauty in a student-run salon & spa setting. Join the *Salon Allure* staff and prepare for an exciting future.

### **Criminal Justice**

Gain exposure to the latest in law enforcement techniques using the latest equipment and instruction. During your two years at Polaris, you will be trained in the enforcement of the law and the protection of life and property in a real-world setting.

### **Culinary Arts & Restaurant Management**

Explore basic culinary/cooking essentials and foodservice management skills in our state-of-the-art educational kitchen and production lab. You will apply your new talents in the class-managed restaurant, *Savour*, while learning customer relations, cost controls, basic accounting principles, marketing, purchasing, inventory, teambuilding skills and communications.

### **Dental Assisting**

Learn to work chairside with the dentist in the care and treatment of patients. Along with basic dental laboratory procedures, you will learn dental terminology, the use of instruments and equipment, x-ray procedures, preparation of dental materials and dental office management skills.





### **Emergency Medical Technician/Fire Training**

If you like helping people, this is the program for you! Learn to be an Emergency Medical Technician, Firefighter or 911 Dispatcher. You will also learn the foundation of health science and homeland security. This program is offered in partnership with Cuyahoga Community College's Public Safety Training Center. **Students must be 16 years old by August 1 to enroll in this program.**

### **Exercise Science & Rehab Therapy**

While in this program, you will learn the basics of preventing, diagnosing, and treating injuries related to sports and/or exercise. Exercise Science & Rehab Therapy is designed to prepare students to transition to college and pursue a career in the athletic training, fitness, or health care fields.

### **Heating, Ventilating, Air Conditioning & Refrigeration**

This cool profession is heating up! Join HVAC/R and learn to install, maintain, troubleshoot, and repair heating and cooling systems in both residential and commercial settings.

### **Medical Professions**

Learn the basic clinical and administrative procedures necessary to work in a doctor's office, clinic, or hospital. Coursework includes instruction in anatomy & physiology, medical ethics, medical terminology, office procedures, medical records, and laboratory skills.

### **Pre-Nursing**

As a Pre-Nursing student, you will learn to monitor patients' conditions and assess their needs to provide the best possible care and support, observe and interpret patients' symptoms and communicate them to physicians; collaborate with physicians and nurses to devise individualized care plans for patients; perform routine procedures (blood injections, etc.); and many other important responsibilities. **\*Please note students must qualify for this program based on their transcript and other criteria.**

### **Pre-Veterinary Science**

Learn to provide basic healthcare for animals including post-surgery care, emergency first aid, instrument maintenance, animal health histories and more.

### **Precision CNC Machining**

Join this innovative, high-tech career and secure your future in a high-demand/high-wage profession. Feel the satisfaction of making your own components from concept to completion using state-of-the-art Computer Numerical Control (CNC) production technology and equipment.

### **Welding Technology**

This program will teach you the fundamentals of welding - the most common method of permanently joining metal parts. You will receive training in gas, arc, fluxcore and MIG & TIG welding using cutting-edge technology.



### **Special Admissions Programs – Counselor recommended**

Building Services & Ground Maintenance, Deli & Food Production and High School Job Training Programs which include:

- Employability Skills Lab
- Community Work Experience
- Retail Services



Applications are being accepted now at [www.polaris.edu/register](http://www.polaris.edu/register)



For additional information, contact Cindy Crisler, Polaris Enrollment Coordinator, at 440.891.7732 or [ccrisler@polaris.edu](mailto:ccrisler@polaris.edu).

Follow us:  
[www.polaris.edu](http://www.polaris.edu)  
#PolarisMeans



## **FAIRVIEW PARK CITY SCHOOLS BOARD OF EDUCATION**

Joslyn Dalton, President  
Erin Hinkel, Vice President  
Donald Bittala  
Jennifer Bolander  
Dorin Jackson

Keith Ahearn, Superintendent

## **FAIRVIEW HIGH SCHOOL/ LEWIS F. MAYER MIDDLE SCHOOL**

Christopher J. Vicha, Principal  
Christopher Honeck, FHS Associate Principal  
Heather Kaminski, MMS Associate Principal

## **SCHOOL COUNSELORS**

Mary Therese Cory  
Jennifer Parente

