Fenton Community High School District 100
Course and Program Description Catalog
School Year 2024-2025

Rigor – Relevance - Relationships

www.fenton100.org

Fenton Community High School District 100

The Mission of Fenton High School is to cultivate successful, passionate, empowered learners through rigor, relevance, and relationships.

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Fenton High School Counseling Department

It is the goal of the Fenton High School Counseling Department to help keep you well-informed with valuable information as students plan for the future. By working together, we will ensure that every student has the necessary resources to succeed in high school, as well as in their future endeavors. If you have any questions about the content of this course and program catalog, the course selection process to choose classes for next year, or general or specific questions for assistance from the Counseling Department, please contact the individuals listed below.

The Fenton Counseling Department utilizes SchooLinks, a comprehensive website that parents and students can use to help in making plans about courses, colleges, and careers. Counselors introduce students to SchooLinks during their freshman year.

Counseling Department Members

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Beth Damascus, Registrar – damascus@fenton100.org

Fenton High School Graduation Requirements

Forty-five (45) credits are required for graduation. A unit of credit is given for the successful completion of each 1 semester course. The items listed on this page are Fenton High School's minimum graduation requirements.

Consumer Education: One (1) semester of Consumer Education

Driver Education: One (1) semester of driver education

English: Eight (8) Semesters of English which includes two writing-intensive courses

Fine and Applied Arts: Two (2) semesters chosen from Career Programs of Studies or World Languages

Health: One (1) semester of health

Mathematics: Six (6) semesters

Physical Education: Each semester of all four years, except when in enrolled in Health or Driver Education

Science: Four (4) semesters

Social Studies: Six (6) semesters including the Constitution Test requirement which is met in Introduction to the Social Sciences freshman year

Remaining Credits of the 45 Total Required Credits: All remaining credits for the 45 credits required for graduation, are fulfilled via elective options

25 Hours of Community Service: Students must complete twenty-five hours of community service

Free Application for Federal Student Aid (FAFSA): State law requires all Illinois public high school seniors to complete the FAFSA, the FAFSA opt-out, or the Alternative Application

SAT: Illinois State Board of Education requires all public school students in grade 11 to take the SAT with essay

College Entrance Recommendations & Requirements

Students who intend to enter college should check admission requirements with the college or university in which they are interested, and ensure they are using current information. Wise program planning can achieve solid college preparation and also include valuable experiences in the practical arts. Students who plan to attend college/universities, especially public four-year schools in Illinois, must meet minimum requirements established by the Illinois Board of Higher Education. In general, these courses are also the minimum prerequisites to enter a private four-year school.

English

A Minimum of 8 Credits to include:

(2 credits) English 1
(2 credits) English 2
(2 credits) English 3 or AP English 3
(2 credits) English 4 or AP English 4

Mathematics

A Minimum of 6 Credits to include:

(2 credits) Math 1, Algebra 1, or Accelerated Coursework
(2 credits) Math 2, Geometry, or Accelerated Coursework
(2 credits) Math 3, Accelerated Coursework, or AP Coursework

Science

A Minimum of 6 Credits to include:

(2 credits) Accelerated Biology or Biology
(2 credits) Accelerated Chemistry or Chemistry
(2 credits) Science electives

Social Studies

A Minimum of 6 Credits to include:

(2 credits) Introduction to Social Science
(2 credits) U. S. History or AP U. S. History
(2 credits) World History or AP World History

World Languages

Many four-year colleges require at least two years of the same World Language.

Course and Grade Information

Grade Point Average (GPA)

Letter Grade	*Regular*	*Accelerated*	*AP Course*
A	**4**	**4.5**	**5**
B	**3**	**3.5**	**4**
C	**2**	**2.5**	**3**
D	**1**	**1**	**1**
F	**0**	**0**	**0**

Weighted Grades
Grades are weighted in both Accelerated and Advanced Placement (AP) courses. Grades in a weighted course earn additional points as listed in the table above. The points earned are divided by the number of courses attempted to determine the GPA.

Unweighted Grades
Grades in a regular unweighted course earn grade points as listed in the table above. The points earned are divided by the number of courses attempted to determine the GPA.

Accelerated Courses:
Admission to accelerated courses will be based on the following approval:

- Proficiency in all prerequisite courses
- Teacher recommendation
- Meet requisite standardized achievement cut scores as designated by the Division Leader and Director of Curriculum
- Administrative approval

Advanced Placement Courses:
Advanced Placement courses are rigorous, college-level studies approved and monitored by the College Board. All students are encouraged/expected to take the examination given by the College Board in the spring. AP courses are offered in the ninth, tenth, eleventh and twelfth grades. For further information about AP Courses, please see the corresponding pages of this catalog.

Dual Credit Courses:
Dual Credit courses allow high school students to enroll in college-level coursework and secure credit at both the high school and college level, simultaneously. Courses are taught by high school instructors who are approved by the college. Curriculum, syllabi, and textbooks also

meet college guidelines. For the College of DuPage (COD) dual credit, tuition and fees are waived, and a COD transcript is generated. COD grants all college credits, therefore, students should contact COD for final dual credit transcripts after course completion. All COD dual credit opportunities are pending formal agreement between FHS and COD. These agreements are reviewed on regular basis and subject to change based on qualifications. To qualify students must complete appropriate applications, and placement testing as required. Freshmen are only eligible for dual credit with instructor approval. Any summer dual credit courses offered by COD and other institutions must be approved by the Division Leader of Counseling if the course could potentially replace a required course for graduation. These courses will typically be used on the high school transcript as elective courses, not in place of our course graduation requirements. Note: Dual Credit courses are tentative agreements finalized with COD in the summer after the course selection, registration, and scheduling process have culminated.

Independent Study Courses:

Independent Study is designed for the self-motivated, responsible students who wish to expand their knowledge in an area in which they are keenly interested. The following guidelines must be followed by the student interested in pursuing an independent study course:

1. An Independent Study course must follow the same classroom requirements as a regular course.
2. Write a proposal setting forth the specific goals to be accomplished with completion dates identified. The proposal will also include the methodology necessary for completing the goals.
3. Obtain approval for the proposal from a teacher and the Division Leader of the academic area in which the independent study will be completed.
4. Complete all independent study paperwork and submit to the counselor within the first three weeks of the course. The Director of Teaching and Learning will give final approval for the course.

Course Selection

Fenton High School students participate in course selection for the coming school year, in collaboration with their counselors. Once courses selected are finalized, course request changes will be made only as course availability permits.

Course Drop/Change Procedure

Students may request to drop or change a course through week eight of each semester. If a course is dropped after eight weeks, students will receive a grade of WF. Adding a different elective course is subject to course availability and teacher approval, and students must maintain enrollment in a minimum of six courses per semester. The following guidelines apply to course drops and changes:

Non-Sequential Elective Courses:

- During the first 10 school days of first semester, first semester changes are made through the counselor.
- During the first 10 school days of second semester, second semester changes are made through the counselor.
- After the first 10 days of first and second semesters, students must obtain the Course

Drop Request Form for Electives (Non-AP) from their counselor, receive parent approval, and discuss their request with the course instructor. The division leader for the course department will approve or deny the request.

Sequential Elective Courses:

- To drop the second semester of a sequential course, students must obtain the Course Drop Request Form for Electives (Non-AP) from their counselor, receive parent approval, and discuss their request with the course instructor. The division leader for the course department will approve or deny the request.

Advanced Placement Courses:

- To drop an Advanced Placement (AP) course, students must obtain the AP Course Drop/Level Change Form from their counselor, complete the form, receive parent approval, and discuss their request with the course instructor. The division leader for the course department will approve or deny the request.

Level Changes:

- To change levels in a required course, students must obtain the AP Course Drop/Level Change Form from their counselor, receive parent approval, and discuss their request with the course instructor. The division leader for the course department will approve or deny the request**.**

Complaints About Curriculum, Instructional Materials, and Programs – Board of Education Policy 6:260

Parents/guardians have the right to inspect any instructional material used as part of their child's educational curriculum pursuant to School Board policy 7:15, Student and Family Privacy Rights. Persons who believe that curriculum, instructional materials, or programs violate rights guaranteed by any law or Board policy should file a complaint using Board policy 2:260, Uniform Grievance Procedure. Persons with all other suggestions or complaints about curriculum, instructional materials, or programs should complete a Curriculum Objection form. A parent/guardian may request that his/her child be exempt from using a particular instructional material or program by completing a Curriculum Objection form.

Advanced Placement Course Information

Advanced Placement (AP) Courses provide students the opportunity to experience college level coursework prior to entering the college setting. Rigorous classroom experiences ensure students are prepared for post-secondary education and/or training in any career field. It is encouraged that students discuss these opportunities with their teachers and counselors to determine any AP courses which may align with their post-secondary goals and plans. Students who take an advanced placement course and earn a score of three or higher on the exam may be eligible for college credit. Advanced Placement Courses Offered at Fenton High School:

Art & Music
- AP 2-D Art & Design (Photography)
- AP 2-D Art & Design (Cartooning, Digital, Drawing & Painting)
- AP 3-D Art & Design (Ceramics, Jewelry & Sculpture)
- AP Music Theory

English
- AP English 3 Language & Composition
- AP English 4 Literature & Composition

Mathematics
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Computer Science Principles
- AP Computer Science A

Science
- AP Physics 1
- AP Physics 2
- AP Biology
- AP Chemistry
- AP Environmental Science

Social Studies
- AP United States History
- AP World History
- AP United States Government & Politics
- AP Microeconomics
- AP Macroeconomics
- AP Psychology

World Languages
- AP French Language & Culture
- AP German Language & Culture
- AP Spanish Language & Culture

Course and Program Descriptions

If you have any questions about a listed course or program, please contact the Division Leader for that department via email or phone.

ENGLISH

Kate Ward, Director of Learning and Division Leader for English and Social Studies
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630-238-4717

English 1
This English 1 course provides an extensive introduction to skills essential to the English curriculum. Students will analyze various literary genres and become proficient in skills related to grammar, reading, vocabulary, paragraph structure, and essay construction.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5001, 2nd Semester - 5002
Grade Level: 9

Accelerated English 1
This accelerated course combines the analysis of challenging literature with the development and refinement of vocabulary acquisition and writing skills through expanded English 1 reading list. Students are selected for this course based upon standardized test scores and teacher recommendations.
Prerequisites: None
Semester: 2 **Credit:** 2
Course Code: 1st Semester - 2006 2nd Semester – 2007
Grade Level: 9

English 2
This course helps students improve reading, writing, speaking, listening and analytical skills through world literature and various genres. Assignments will focus on writing appropriately for different occasions, audiences, and purposes. Activities and assignments will afford students the opportunity to expand their vocabulary, refine their responses to literature and their understanding of various media, and improve their speaking, listening, and presentation skills. Writing assignments will continue to improve students' essay writing, research and rhetorical skills.
Prerequisites: English 1 or Accelerated English 1
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5009, 2nd Semester - 5010
Grade Level: 10

Accelerated English 2
This course helps students improve reading, writing, speaking, listening and analytical skills through world literature and various genres, at a more in depth level. This rigorous course is designed to help students prepare for Advanced Placement courses at the junior and senior level. Assignments will focus on writing appropriately for different occasions, audiences, and purposes. Activities and assignments will afford students the opportunity to expand their vocabulary, refine their responses to literature and their understanding of various media (including media bias), and improve their speaking, listening, and presentation skills. Writing assignments will continue to improve students' essay writing, research and rhetorical skills. Suggested requirements for enrolling in Accelerated English 2 are a recommendation from the English 1 instructor, Standardized test scores, and a possible writing sample.
Prerequisites: English 1 or Accelerated English 1
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2008, 2nd Semester - 2009
Grade Level: 10

English 3
This two semester course focuses on the study of American literature in combination with extensive practice in composition. Students will explore thematic units including works of poetry, fiction, nonfiction, and drama. In addition, this course offers students the opportunity to increase writing skills in order to meet greater success in freshman college rhetoric classes.
Prerequisites: English 2 or Accelerated English 2
Semesters: 2 **Credit:** 2
Course Code: 1st Semester - 5178, 2nd Semester - 5179
Grade Level: 11

AP English 3 - Language and Composition
The Advanced Placement section of this course will consist of the intrinsic elements of American literature and composition as well as practice and preparation for the English Language Advanced Placement Exam as outlined by the College Board. Writing in this course will be focused more intently on the subtle mastery of tone, style, and writer's voice and will be evaluated with appropriately elevated criteria.
Prerequisites: English 1 or Accelerated English 1 and English 2 or Accelerated English 2
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2013, 2nd Semester - 2014
Grade Level: 11

English 4
English 4 is designed as a year-long course which stresses the importance of college and career readiness. It is an inquiry-based course employing the use of essential questions to guide exploration and promote creativity. Content emphasizes inter- personal communication skills using clear, concise, and organized expression of ideas in both speaking and writing. Reading for this course will include nonfiction, fiction and media texts to encourage critical thinking. Semester I focuses on rhetorical skills emphasizing argument with a culminating research assignment to be applied and extended throughout the second semester. Semester II includes special emphasis on project-based learning, synthesis skills, and independent learning strategies with a culminating public presentation.
Prerequisites: English 1 or Accelerated English 1 and English 2 or Accelerated English 2, English 3 or AP English 3
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5080, 2nd Semester - 5081
Grade Level: 12

AP English 4-Literature and Composition
AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of elected texts, students deepen their understanding of the ways writers use language to provide meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. Suggested requirements for enrolling in AP English 4 are a recommendation from the English 3 instructor, standardized test scores, and a possible writing sample.
Prerequisites: English 1 or Accelerated English 1 and English 2 or Accelerated English 2, English 3 or AP English 3
Semesters: 2 **Credits:** 2
Course Code: 1st Semester-2027, 2nd Semester- 2028
Grade Level: 12

Academic Math and Literacy 1
Academic Math and Literacy 1 will be taken in addition to Foundations of Math 1 and English 1 to address the needs of freshman students whose literacy and math skills are deemed below college and career readiness benchmarks. Academic Literacy 1 will provide support for those students with reading, writing, math, and executive functioning assistance as they enter freshman year, equipping students with the additional literacy and math skills applicable across the content areas. Students will be supported in literacy and math through intensive reading, writing, and math activities that reinforce college and career readiness skills. The students will be enrolled in this course for a full year with the opportunity to test out mid-year. Those students who do not meet the exit requirements will remain in the course for the duration of the year. Students who successfully pass the course will receive one elective credit per semester.
Prerequisites: None
Semester: 2 **Credits:** 2
Course Code: 1st Semester - 2018, 2nd Semester - 2019
Grade Level: 9

Academic Literacy 2
Academic Literacy 2 will be taken in addition to English 2 to address the literacy needs of sophomore students whose skills are deemed below college and career readiness benchmarks. Academic Literacy II will provide literacy support equipping students with additional literacy skills applicable across the content areas. Students will be immersed in literacy through intensive reading, writing, speaking, and listening activities that support the Common Core Standards and reinforce college and career readiness skills. The students will be enrolled in this course for a full year with the opportunity to test out mid-year. Those students who do not meet the exit requirements will remain in the course for the duration of the year. Students who successfully pass the course will receive one elective credit per semester.
Prerequisites: None
Semester: 2 **Credits:** 2
Course Code: 1st Semester - 2023, 2nd Semester - 2024
Grade Level: 10

Theatre
This course is designed to increase a student's knowledge about all aspects of theatre; acting, makeup, costuming, scene design, publicity, theatre history, and playing reading. Students are required to attend current Fenton High School theatre productions.
Prerequisites: None
Semester: 1 **Credit**: 1
Course Code: 5135
Grade Level: 9-12

Acting
This activity class teaches the fundamentals of acting: movement, improvisation, pantomime, and ensemble performance. Students will memorize and perform monologues and scenes. Since this is a performance class, student self-discipline is essential. Students are required to attend current Fenton High School theatre productions.
Prerequisites: None
Semester: 1 **Credit:** 1
Course Code: 5051
Grade Level: 9-12

Creative Writing
Creative Writing is an elective course for students who wish to express themselves imaginatively in writing. Reading models and keeping a journal furnish sources of ideas for expression; students work with prose forms of description and narration and writing techniques such as the use of images, sensory details, and symbols. Students work independently on completion of plays, short stories, and poetry; therefore, student self-discipline is required. Students are encouraged to submit their work to a publication.
Prerequisites: English 2 or Accelerated English 2
Semester: 1 **Credit:** 1
Course Code: 5105
Grade Level: 11,12

EL/BILINGUAL

Lorenzo Rubio, Division Leader for Multilingual Programs
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630-238-4718

Bilingual General Science
This course provides English Learners students with an introduction to general science and may include topics from life science, earth science, or physical science, depending on the needs of the students, students will become familiar with lab safety rules and the scientific method.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 4564, 2nd Semester - 4565
Grade Level: 9-12

Bilingual Spanish Literacy
Bilingual Spanish Literacy provides Spanish-speaking English Learners with foundational skills in literacy in the Spanish language. Literacy skills in reading, writing, and vocabulary will be developed so students become proficient enough to continue to an at-level Spanish Heritage course and eventually AP Spanish. The course will also address the specific needs of the group as grammatical and vocabulary gaps are noted. The class is conducted entirely in Spanish, using authentic resources and utilizing linguistic comparisons with the English language.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 4413, 2nd Semester - 4414
Grade Level: 9-12

Bilingual Study Skills
Bilingual Study Skills is a support class for English Learners where students receive academic skills that can transfer to many different content areas and courses of study and taught by an EL or Bilingual endorsed teacher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 4566, 2nd Semester - 4567
Grade Level: 9-12

Consumer Education (EL & Bilingual)
Do you feel that you are ready for life after high school? Are you confident that you will have enough money to support yourself and live the type of lifestyle you want to live? By enrolling in Consumer Education, you will take the first step in preparing for a successful future by learning how to manage credit, invest for retirement, and budget everyday expenses. Students will also complete projects on buying a new home and buying a new or used car. Students will gain a greater under- standing of basic economic concepts so they can make informed buying decisions and learn how to manage their money. **Note:** This Course Meets the Consumer Education Graduation Requirement.
Prerequisites: None
Semesters:1 **Credits**: 1
Course Code: EL: 4627 Bilingual: 4628
Grade Level: 11,12

English Language & Literature 1 and English Language & Literature 1 Plus
This is a course for beginning English students. Students learn basic interpersonal communication skills for school and community survival so that all EL students may have successful experiences at Fenton High School. Emphasis is on study skills which provide the means for success in regular courses when the student exits the EL program.
Semesters: 2 **Credits:** 4
Course Code: 1st Semester – 4519,4521, 2nd Semester – 4520,4522
Grade Level: 9-12

English Language & Literature 2
Level 2 builds on previously introduced skills and emphasizes reading and writing while continuing to develop oral proficiency in English. Specific reading skills such as using context clues, finding the main idea, drawing conclusions, and making inferences are developed. Intensive writing skills concentrate on sentence formation, using correct punctuation, and constructing simple, coherent paragraphs.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 4523, 2nd Semester - 4524
Grade Level: 9-12

English Language & Literature 3
EL 3 parallels the regular English 1 curriculum and provides an extensive review for improving communication skills on a level for students who are still developing their English proficiency. Students analyze the short story and the novel as forms of literature. Poetry, mythology, and drama are also studied. This course provides intensive work with reading skills, vocabulary development, sentence structure, and paragraph development culminating in the formation of an argumentative essay. This course meets the English 1 requirement for graduation.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 4525, 2nd Semester - 4526
Grade Level: 9-12

English Language and Literature 4
EL 4 mirrors the regular English curriculum and provides an extensive review or improving communication skills on level for students who are still developing English proficiency. Activities and assignments will afford students the opportunity to expand their vocabulary, refine their responses to literature and their understanding of various media, and improve their speaking, listening, and presentation skills. Writing assignments will continue to improve students' writing, research, and rhetorical skills.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 4603, 2nd Semester - 4604
Grade Level: 9-12

Content Literacy
Required of all EL students, this course is de- signed to assist students in acquiring academic vocabulary and applying reading strategies to various content areas. Opportunities are provided for developing literacy skills through independent reading and writing.
EL 1 CODE: 1st Sem: 4540, 2nd Sem: 4541
EL 2 CODE: 1st Sem: 4542, 2nd Sem: 4543
EL 3 CODE: 1st Sem: 4544, 2nd Sem: 4545
EL 4 CODE: 1st Sem: 4605, 2nd Sem: 4606
Semesters: 2 **Credits:** 2
Grade Level: 9-12

EL / Bilingual Math 1
Math 1 is the first year of a three-year integrated mathematics course sequence. Concepts in this course are scaffolded, extending students' under- standing and deepen their knowledge of algebra and functions, geometry, and statistical analysis. Students will be exposed to rich instruction that develops their conceptual understanding, problem- solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning. This curriculum promotes active learning and prepares students for the next course in the sequence, Math 2. School issued TI-30XS calculator is required for this course.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: EL Code 1st Semester - 4577, 2nd Semester – 4578; **Bilingual Code:** 1st Semester - 4573, 2nd Semester - 4574
Grade Level: 9

EL / Bilingual Math 2
Math 2 is the second course of a three-year integrated mathematics sequence. Concepts in this course builds and strengthens students' contextual knowledge of Algebra and Geometry, extending students' understanding and deepen their knowledge of algebra and functions, geometry, and probability. Students will be exposed to rich instruction that develops their conceptual under- standing, problem-solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation and Social and Emotional Learning. This curriculum promotes active learning and prepares students for the next course in the sequence, Math 3. School issued TI-30XS calculator is required for this course.
Prerequisites: Completion of Math 1
Semesters: 2 **Credits**: 2
Course Code: **EL Code:** 1st Semester - 4579, 2nd Semester - 4580; **Bilingual Code:** 1st Semester - 4575, 2nd Semester - 4576
Grade Level: 10

EL/Bilingual Math 3
Math 3 is designed to develop a deeper understanding of the underlying concepts of algebra, geometry, and statistics. As a third course in an integrated high school sequence, this course will afford the student opportunities for engaging in activities that will facilitate the transition to more abstract ways of thinking. Units include: analytical geometry, geometric modeling, circles and parabolas, representing functions, rational functions, exponential and logarithmic functions, and inferential statistics. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning.
Prerequisites: Completion of Math 2
Semesters: 2 **Credits**: 2
Course Code: **EL Code:** 1st Sem - 4621, 2nd Sem - 4622, **Bilingual Code:** 1st Sem - 4623, 2nd Sem - 4624
Grade Level: 11

Basic Math (EL & Bilingual)
This course provides English Learners basic math skills and vocabulary development in preparation for students to be successful in high school level math courses.
Semesters: 2 **Credits:** 2
Course Codes: EL Code: 1st Semester - 4560 2nd Semester - 4561; **Bilingual Code:** 1st Semester - 4660, 2nd Semester - 4661
Grade Level: 9-12

Health (EL & Bilingual)
This course is designed to assist English Learners to acquire English skills while they learn how to develop a healthy lifestyle based on informed choices. These topics may include: personal health, stress management, systems of the body, mental health, personal relationships, sexuality, marriage, parenthood, human growth and development, nutrition and physical fitness, the abuse of drugs, alcohol, and tobacco, and diseases and disorders. Successful completion of this course fulfills Fenton's health course requirement for graduation.
Prerequisites: Approval from an EL Instructor
Semesters: 1 Credits: 1
Course Codes: ELL Code: 4508 Bilingual Code: 4509
Grade Level: 9-12

Biology (EL & Bilingual)
This is a full year course intended to meet the needs of Limited English Proficient students pursuing a science-related career or preparing to attend a four- year college. This course presents principles that compare and contrast the structures and functions found in all living things from one-celled organ- isms through the human body. Topics such as bio- logical classification, cell structure and function, genetics, microbiology, and balanced and functioning system, are covered. The course is the first course in the teaching of laboratory procedures and the scientific method taught at the high school level. In addition, this course satisfies one course of the science requirement at Fenton and for admission to college.
Prerequisites: Approval of the EL/Bilingual Instructor
Course Codes: EL Code:1st Semester - 4629, 2nd Semester - 4630 Bilingual Code**:** 1st Semester- 4631, 2nd Semester- 4632
Semesters: 2 **Credits:** 2
Grade Level: 9-10

Chemistry (EL & Bilingual)
This course is designed as the second course in the science sequence for students. This is a laboratory course dealing with the structure of and changes in matter. Some of the topics covered include understanding the physical properties of matter, energy and its interactions with matter, describing and categorizing matter, counting particles and describing chemical change. Laboratory investigations and demonstrations will be a focus in class and guide student learning through presentations of group data and class discussion. Access to a scientific calculator is required on a daily basis.
Prerequisites: Approval of the EL/Bilingual Instructor
Semesters: 2 **Credits:** 2
Course Codes: EL Code: 1st Semester- 4703, 2nd Semester-4704 Bilingual Code: 1st Semester-4803, 2nd Semester-4804
Grade Level: 10-12

Introduction to the Social Sciences (EL & Bilingual)
This course will assist English Learner students improve their English skills while acquainting them with the various disciplines within the social sciences. Units include civics, political science, psychology, economics, sociology, anthropology, and geography. During the civics unit, students will be assessed on the U.S. Constitution, the Illinois Constitution, and the U.S. Flag, which are required for graduation in the state of Illinois. Students must also complete two hours of community service during first semester so they acquire the value and importance of civic involvement in their communities. This course fulfills part of the three-year Social Studies requirement for graduation.
Prerequisite: None
Semesters: 2 Credits: 2
Course Codes: EL Code: 1st Semester- 4600, 2nd Semester- 4601 Bilingual Code: 1st Semester-4501 2nd Semester – 4502
Grade Level: 9-10

World History (EL & Bilingual)
The purpose of EL or Bilingual World History is to develop English language skills while studying the evolution of diverse civilizations from ancient times to the present. Students learn how the interactions between people from different empires, nation-states, social classes, and religious back- grounds have impacted the course of history. Stu- dents will come away from the course with knowledge of world geography, religions, and pat- terns of social, political, and economic interactions. They will ultimately recognize that the events of the past influence the world we live in today. This course fulfills part of the three- year requirement of social studies for graduation.
Prerequisites: Approval from an EL Instructor
Semesters: 2 **Credits:** 2
Course Codes: EL Code: 1st Semester-4609, 2nd Semester-4608 Bilingual Code: 1st Semester-4609, 2nd Semester-4610
Grade Level: 9,10

United States History (EL & Bilingual)
This course is a survey of the major events in U.S. history for English Learner students. The purpose of this course is to develop English language skills through a study of the American people, culture, and past. This course takes a multicultural view of such topics as the development of the American form of constitutional republican government; development of the American economy; United States foreign policy; and the evolution of our total cultural heritage. Knowledge of the past is related to current events in order to develop a sense of historical continuity.
Prerequisites: Approval from an EL Instructor
Semesters: 2 **Credits:** 2
Course Codes: EL Code: 1st Sem-4517, 2nd Sem-4518 Bilingual Code: 1 Sem-4517
Grade Level: 9-12

Latino Studies for Spanish Speakers
Latino Studies for Spanish Speakers is a dynamic and interactive exploration of the rich and diverse heritage, culture, and history of Latino communities across the Americas, that also emphasizes contemporary issues in the Latino world such as immigration, social justice, identity, and representation. This course places the student at the center of the learning journey, encouraging active engagement, critical thinking, and meaningful dialogue and discussion. With an emphasis on student choice and presentations, this course empowers the student to take ownership of the learning experience. This course is taught in Spanish.
Prerequisite: Demonstrated Spanish proficiency via placement in Spanish for Heritage Speakers 1, AP Spanish, or Division Leader approval
Semesters: 1 **Credit:** 1
Course Code: 4634
Grade Level: 11-12

EL/Bilingual Study Skills
Topics studied in this course include goal-setting, time management and self-organization, information retrieval from a variety of sources such as the library's reference materials and the Internet, note-taking skills and outlining, memorization techniques and test preparation, reading and interpreting maps and map symbols, charts, graphs, and diagram. Using the techniques learned in this course, students will be better prepared to understand their textbooks and courses in school and college.
Prerequisite: Approval of EL Coordinator
Semester: 2 **Credits:** 2
Course Code: EL: 1st Sem-4619, 2nd Sem-4620 Bilingual: 1st Sem-4566, 2nd Sem - 4567 Grade Level: 9-12 (seniors may enroll 1st semester)

FINE and PERFORMING ARTS

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Music Appreciation
Music shapes and is shaped by our lives. Music Appreciation is a one-semester course that will give students a basic understanding of music and inspire interest in music from a variety of genres and cultures. Through this course, students will learn the fundamentals of creating, enjoying, and listening to music. Students will gain exposure to voice, piano, guitar and percussion, which will allow them to learn about the basics of creating music, including melody, harmony, and rhythm. Students will explore instrumental and vocal timbre and will critique musical performances. Students will also listen to and learn about musical styles including traditional, folk, jazz, opera, popular, and classical music. Through unique online software, students will be able to compose, arrange, and share their own musical ideas. No prior experience with music is necessary to enroll in this course.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 002135
Grade Level: 9-12

Music Production
Music Production is a career-focused course designed for students interested in all aspects of music and music production. This includes musical styles like Hip Hop, Rock, Pop, Jazz, and more. Student projects will include but are not be limited to composing music through a variety of mediums for the purposes of creating digital music, which can be used in music videos, video games/ movie soundtracks, promotional materials, etc. Students in this class will also develop skills for digital music making, sound recording, sound reinforcement, and basic music theory.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 6355
Grade Level: 9-12

High Five Choir
High Five Choir members are students of all abilities that come together through music, building long standing friendships, raising disability awareness and serving as agents of change for our school and community. The High Five Choir will commit themselves to enhancing their music experience through singing, playing various instruments, and movement. This course offers students an opportunity to be actively engaged in adapted musical activities. Students will learn the basics of musicianship, choral literature with an emphasis on one to one instruction. Students' individual needs and personal goals are the main focus of the class. High Five Choir rehearses daily and will perform a minimum of three times throughout the school year. Additional presentations, performances and community outreach programs are always possible.
Prerequisite: None
Semesters: 1 or 2 Credit: 1 or 2
Course Code: 6357
Grade Level: 9 - 12

Guitar 1
Guitar is for the beginning guitar student. Activities in this class will include, but are not be limited to: reading and notating guitar music, playing a wide variety of guitar literature, and developing critical listening skills.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6361 2nd Semester - 6362
Grade Level: 9-12

Guitar Ensemble
Guitar Ensemble is for the developing guitar student. Activities in this class will include, but are not limited to: reading and notating music, playing a wide variety of guitar literature, and developing critical listening skills. Students in this class will be expected to perform at two to four performances per semester. Some of these performances may be outside of the school day.
Prerequisites: Guitar or approval of instructor
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6376, 2nd Semester - 6377
Grade Level: 10-12

Piano 1
Piano 1 is for the beginning piano student. Activities in this class will include, but are not be limited to: reading and notating music, playing a wide variety of piano literature, and developing critical listening skills.
Prerequisites: None
Semester: 2 **Credit:** 2
Course Code: 1st Semester - 6391, 2nd Semester - 6392
Grade Level: 9-12

Piano 2
Piano 2 is for the developing piano student. Activities in this class will include, but are not be limited to: reading and notating music, playing a wide variety of piano literature, and developing critical listening skills.
Prerequisites: Piano 1 or permission of instructor
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6401, 2nd Semester - 6402
Grade Level: 10-12

Concert Band
The Concert Band is open to all Fenton students with a minimum of two years prior instrumental experience or director approval. Activities for this class will include, but are not be limited to: scales, chorales, tone production, challenging literature, critical listening, and music analysis. Students can expect to perform at all Fenton Band concerts and Pep Band games. Students in this ensemble will be expected to attend rehearsals and performances outside of the school day. Students in Concert Band may choose to be members of the marching band. Should they choose to be a member of the marching band, they will need to attend a band camp prior to the beginning of the year and attend rehearsals and performances outside of the school day. This class will be scheduled concurrently with a lunch period to provide flexibility to meet the various needs of combined class rehearsals. Students may take concert for accelerated credit (Grades 10-12 only).
Prerequisites: Selection based upon proficiency, audition, or teacher approval.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6331, 2nd Semester - 6332
Grade Level: 9-12

Symphonic Wind Ensemble
The Symphonic Wind Ensemble is the premiere instrumental ensemble at Fenton High School. Activities in this class will include, but are not be limited to: scales, chorales, advanced rehearsal techniques, tone production, critical listening, and music analysis. This ensemble rehearses and performs advanced band literature. Students can expect to perform at all Fenton Band concerts and Pep Band games. Students in Symphonic Wind Ensemble may choose to be members of the marching band. Should they choose to be a member of the marching band, they will need to attend a band camp prior to the beginning of the year and attend rehearsals outside of the school day. This class will be scheduled concurrently with a lunch period to provide flexibility to meet the various needs of combined class rehearsals. This class may also be taken for Accelerated credit (10-12 graders only).
Prerequisites: Selection base upon proficiency, audition, or teacher approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6341, 2nd Semester - 6342
Grade Level: 9-12

Accelerated Symphonic Wind Ensemble/Concert Band
Students may take Symphonic Wind Ensemble or Concert Band-for Accelerated credit. Students in Accelerated Symphonic Wind Ensemble/Concert Band must meet the regular course requirements as well as choose six of the following options:

- Receive private lessons on your instrument.
- Provide private lessons to underclassmen or younger band students.
- Perform a Solo at Solo & Ensemble festival.
- Perform a director approved solo during class, at a scheduled performance, or at a special event.
- Prepare and perform IMEA audition material for your director as well as audition for IMEA.
- Perform in a director approved extra- curricular ensemble outside of school.
- Perform in a small ensemble at Solo & Ensemble festival, in class, or at a scheduled con- cert.
- Audition for and participate in an extracurricular school ensemble.
- Attend a director approved collegiate or professional performance and write a critique.
- Write a research paper about one of the selections that you performed as a solo work or small ensemble.
- Write a research paper on your instrument.
- Choose a famous artist that performs your instrument and write a report on them as well as critique some of their recordings.
- Participate in Marching Band.

Prerequisites: One year o f participation in a performing ensemble or teacher recommendation and audition
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6355, 2nd Semester - 6356
Grade Level: 10-12

Chorale
The Chorale is a group designed for the developing vocal musician. Students will learn the basics of musicianship and proper vocal production techniques, while studying a wide variety of choral literature. This group performs in all of the regularly scheduled concerts of the school year. In Chorale, the music materials focus upon easy to moderately difficult multiple part writing for male and female voices.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6311, 2nd Semester - 6312
Grade Level: 9-12

Treble Choir
The Treble choir is an intermediate level vocal group for treble singers. Students will learn the basics of musicianship and proper vocal production techniques, while studying a wide variety of choral literature. This group performs in all of the regularly scheduled concerts of the school year. In Treble Choir, the music materials focus upon easy to moderately difficult two- and three- part writing for treble voices.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6301, 2nd Semester - 6302
Grade Level: 9-12

Concert Choir
The Concert Choir is the premiere vocal ensemble at Fenton High School. Students will continue to develop sight-reading skills, ear training skills and vocal production, while studying a wide variety of choral literature. This group performs in all of the regularly scheduled concerts of the school year and additional performances in the community. In Concert Choir, the music materials focus upon moderate to advanced multiple-part writing for male and female voices.
Prerequisites: Previous reason or director approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6321, 2nd Semester - 6322
Grade Level: 10-12

Accelerated Concert Choir
Students may take Concert Choir for Accelerated Credit. Students in Accelerated Concert Choir must meet the regular course requirements as well as choose six of the following options:

- Receive private voice lessons
- Provide private lessons to underclassmen or younger vocal student
- Perform a Solo at Solo & Ensemble festival
- Perform a director approved solo during class, at a scheduled performance, or at a special event
- Prepare and perform IMEA audition material for your director as well as audition for IMEA
- Perform in a director approved extra-curricular ensemble outside of school
- Perform in a small ensemble at Solo & Ensemble festival, in class, or at a scheduled concert
- Audition for and participate in an extracurricular school ensemble
- Attend a director approved collegiate or professional performance and write a critique.
- Write a research paper about one of the selections that you performed as a solo work or small ensemble
- Write a research paper about your instrument/voice
- Choose a famous artist that performs your part or instrument and write a report on them as well as critique some of their recordings

Prerequisites: One year of participation in a performing ensemble or teacher recommendation and audition
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6323, 2nd Semester - 6324
Grade Level: 10-12

Advanced Placement Music Theory
AP Music Theory is a full year course that is equivalent to that of an entry level college course in music theory. This course is for students who wish to pursue an in-depth study of melody, harmony, texture, rhythm, form, musical analysis, composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-reading or sight- singing, and keyboard harmony are considered elements of the course, as is the acquisition of advanced music terminology. Enrollment in this course assumes at least a basic to intermediate skill level related to reading and writing musical notation as well as performance skills in either vocal or instrumental production. This class would prepare students for the AP Music Theory test in May.
Prerequisites: One semester of high school choir, band, guitar, piano, or teacher approval.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2115, 2nd Semester - 2116
Grade Level: 10-12

2D Art 1 (Cartooning, Digital, Drawing, Painting) 2D Art 1 is for the emerging artist wanting to learn how to render details, draw from observation, create cartoon characters and paint naturally. Personalized experimentation of a subject matter is explored. Media variety includes pencil, charcoal, marker, oil pastels, acrylic paint and/or watercolor. Multiple themes and styles will be covered and students will leave this class speaking the language of art. Students who enjoy working in 2D Art 1 can continue on in 2D Art 2.
Prerequisites: None
Semester: 1 **Credit:** 1
Course Code: 2125
Grade Level: 9-12

2D Art 2 (Cartooning, Digital, Drawing, Painting) 2D Art 2 focuses on drawing, cartooning and painting from direct observation and from memory, rendering two dimensional images while reinforcing expressive color qualities within the art piece. A personal interpretation of portraits, cartoon characters, figure, landscape, design and still life are goals of this course. Media variety includes oil pastels, Prismacolor pencils, markers, charcoal, pastels, acrylic, oil paint and/or watercolors. This course focuses on developing an advanced sense of using color for expressive qualities while developing personal interpretation of a subject matter. Students who enjoy working in 2D can continue in AP 2D Art.
Prerequisites: Studio Art: 2-D Design 1, Painting 1, or Drawing 1, 2D Art 1 or teacher approval
Semester: 1 **Credit:** 1
Course Code: 2126
Grade Level: 9-12

AP 2D Art (Cartooning, Digital, Drawing, Painting)
This 2 semester course is the third level for Drawing, Painting, Cartooning and Digital Art. AP 2D Art is designed to prepare students with a professional portfolio used for entrance into a college art program. The course emphasizes independent thematic work in the artist's choice of two dimensional media. Students enrolled in this course submit their portfolio to the College Board instead of taking an Advanced Placement Exam. All students will prepare a personal artist's statement to be included with their portfolio presentation in the FHS AP Art Show. Students may take this course two times.
Prerequisites: 2D Art 1, 2D Art 2, Painting, Drawing, Cartooning or teacher approval
Semester: 2 **Credit:** 2
Course Code: 1st Semester 2129, 2nd Semester 2130
Grade Level: 10-12

Photo 1 (Digital Photo and Computer Art) Photo 1 offers students the opportunity to create digital photography and computer art. Students will master the foundations of the digital camera, composition, visual literacy, and the digital darkroom tools/techniques. Bridge cameras will be available for students to borrow. Students will develop a portfolio to showcase their accomplishments and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy Photo 1 can continue on in Photo 2.
Prerequisites: None
Semester: 1 **Credits:** 1
Course Code: 7755
Grade Level: 9-12

Photo 2 (Digital Photo and Computer Art)
Photo 2 builds upon Photo 1, taking students to an advanced level of creating photographic compositions and computer art. Students taking this class will master manual settings of their digital cameras and advanced tools/techniques of Photoshop. Fine art, advertising, and stop motion animation will be explored. Students will choose an area of concentration, develop a portfolio, and have the opportunity of entering the FHS Digital Art Fest. Bridge cameras will be available for students to borrow. Students who enjoy Photo 2 can continue on in AP 2D Art Photo.
Prerequisites: Photo 1, Digital Photo, or teacher approval
Semester: 1 **Credits:** 1
Course Code: 7737
Grade Level: 9-12

AP 2D Art Photo
This 2 semester course is the third level for Photo and is designed for students to learn critical decision making skills. This course will prepare students with a professional portfolio used for entrance into a college art program. The course emphasizes independent thematic work in the artist's choice of photography (digital and/or film), computer art, or mixed media. SLR cameras, along with 35mm film cameras, will be available to borrow. Traditional darkroom skills will be explored. Students enrolled in this course submit their portfolio to the College Board instead of taking an Advanced Placement Exam. All students will prepare a personal artist's statement to be included with their portfolio presentation in the FHS AP Art Show. Students may take this course two times.
Prerequisites: Photo 1 & Digital Photo, Photo 2 or teacher approval
Semester: 2 **Credits:** 2
Course Code: 1st Semester 2133, 2nd Semester 2134
Grade Level: 10-12

3DArt 1 (Ceramics, Jewelry, Sculpture)
3D Art 1 is for the emerging artist wanting to explore clay, metal, plaster, wire, wood, mosaics and/or mixed media as a means of artistic expression. Original fine and functional art will be designed, created, and evaluated by students. Students will develop a portfolio to showcase their accomplishments and have the opportunity of entering the FHS Digital Art Fest.
Students who enjoy 3D 1 can continue on in 3D 2.
Prerequisites: None
Semester: 1 **Credits:** 1
Course Code: 2127
Grade Level: 9-12

3D Art 2 (Ceramics, Jewelry, Sculpture)
3D Art 2 is for the artist who has mastered the fundamental techniques of 3D Art 1 (or the formerly offered Ceramics 1, Jewelry 1, or Sculpture 1). This course continues to build artists' expertise using three dimensional art as a means of expression. Students will have the choice of creating original works using media such as clay, the potter's wheel, enameling, metal, glass, plaster, wire, wood, mosaics and/or mixed media. Students will continue to develop their portfolio to showcase and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy 3D 2 can continue on in AP 3D Art.
Prerequisites: 3D 1, Ceramics, Jewelry, Sculpture or teacher approval
Semester: 1 **Credits:** 1
Course Code: 2128
Grade Level: 9-12

AP 3D Art (Ceramics, Jewelry, Sculpture)
This 2 semester course is the third level for 3D Art and will prepare art students with a professional portfolio used for entrance into a college art program. The course emphasizes independent thematic work in the artist's choice of three dimensional media used in 3D Art 1 and 2. Students enrolled in this course submit their portfolio to the College Board instead of taking an Advanced Placement Exam. All students will prepare a personal artist's statement to be included with their portfolio presentation in the FHS AP Art Show.
Students may take this course multiple times.
Prerequisites: 3D 2, Ceramics 2, Jewelry 2, Sculpture 2 or teacher approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester 2133, 2nd Semester 2134
Grade Level: 10-12

MATHEMATICS

Kate Ward
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Foundations of Math 1
This course is designed to support students requiring foundational knowledge and skills that will help them prepare for and be successful in Math 1. Enrollment is determined based on 8th-grade Common Core State Standards in concurrence with standardized test data indicators.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester – 005439, 2nd Semester – 005440
Grade Level: 9

Math 1
Math 1 is the first year of a three-year integrated mathematics course sequence. Concepts in this course are scaffolded, extending students' understanding and deepen their knowledge of algebra and functions, geometry, and statistical analysis. Students will be exposed to rich instruction that develops their conceptual understanding, problem-solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning. This curriculum promotes active learning and prepares students for the next course in the sequence, Math 2. School issued TI-30XS calculator is required for this course.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5433, 2nd Semester - 5434
Grade Level: 9

Accelerated Math 1
Accelerated Math 1 is the first year of a three-year integrated mathematics course sequence. Concepts in this course are scaffolded, extending students' understanding and deepening their knowledge of algebra and functions, geometry, and statistical analysis. Students will be exposed to rich instruction that develops their conceptual understanding, problem-solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning. This curriculum promotes active learning and prepares students for the next course in the sequence, Accelerated Math 2. A school-issued TI-30XS calculator is required for this course.
Prerequisite: DL approval
Semesters: 2 **Credit**: 2
Course Code: 1st Semester - 5490, 2nd Semester - 5491
Grade Level: 9

Math 2
Math 2 is the second course of a three-year integrated mathematics sequence. Concepts in this course builds and strengthens students' contextual knowledge of Algebra and Geometry, extending students' understanding and deepen their knowledge of algebra and functions, geometry, and probability. Students will be exposed to rich instruction that develops their conceptual understanding, problem-solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning. This curriculum promotes active learning and prepares students for the next course in the sequence, Math 3. School issued TI- 30XS calculator is required for this course.
Prerequisites: Completion of Math 1 or Accelerated Math 1
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5435, 2nd Semester - 5436
Grade Level: 10

Accelerated Math 2
Accelerated Math 2 is the second year of a three-year integrated mathematics course sequence. Concepts in this course are scaffolded, extending students' understanding and deepening their knowledge of algebra and functions, geometry, and statistical analysis. Students will be exposed to rich instruction that develops their conceptual understanding, problem-solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning. This curriculum promotes active learning and prepares students for the next course in the sequence, Accelerated Math 3. A school-issued TI-30XS calculator is required for this course.
Prerequisite: Completion of Math 1 or Accelerated Math 1
Semesters: 2 **Credit**: 2
Course Code: 1st Semester - 5492, 2nd Semester - 5493
Grade Level: 10

Math 3
Math 3 is designed to develop a deeper understanding of the underlying concepts of algebra, geometry, and statistics. As a third course in an integrated high school sequence, this course will afford the student opportunities for engaging in activities that will facilitate the transition to more abstract ways of thinking. Units Topics Include: Inferences and Conclusions from Data, Polynomials, Rational, & Radical Relationships, Trigonometry of General Triangles & Trigonometric Functions, and Mathematical Modeling. Learning is centered around the Common Core State Standards.
Prerequisites: Completion of Math 2 or Accelerated Math 2
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5437, 2nd Semester - 5438
Grade Level: 11

Accelerated Math 3
Accelerated Math 3 is the second year of a three-year integrated mathematics course sequence. Concepts in this course are scaffolded, extending students' understanding and deepening their knowledge of algebra and functions, geometry, and statistical analysis. Students will be exposed to rich instruction that develops their conceptual understanding, problem-solving skills, critical thinking abilities, and application using technology-enriched programs. Learning is centered around the following six core mathematical pillars: Simplify, Solve & Evaluate, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Data Analysis, Probability, & Statistics, Mathematical & Logical Argumentation, and Social and Emotional Learning. This curriculum promotes active learning and prepares students for higher level courses that they will get to choose from. A school-issued TI-30XS calculator is required for this course.
Prerequisite: Completion of Math 2 or Accelerated Math 2
Semesters: 2 **Credit**: 2
Course Code: **Course Code**: 1st Semester - 5494, 2nd Semester - 5495
Grade Level: 11

College Algebra
College Algebra is a transition course into College of DuPage (COD). The course is designed to prepare students for a college credit-bearing mathematics course at COD. College Algebra will remediate skills taught in previous math courses as well as expand on algebraic concepts with a concentration on the following topics: transformations of functions, operations on functions, solving equations and inequalities, simplifying rational and radical expressions of higher degree, rational functions, exponential functions, and logarithms. Throughout the year, students will also prepare to complete the Assessment and Learning in Knowledge Spaces (ALEKS) college placement exam. Whereas successful completion of the course at Fenton High School is a grade of a D or better, successful completion of the course for placement into a credit-bearing COD mathematics course will require a grade of a C or better and an ALEKS Placement Exam score of 46 or better. It is required that each student have a TI-30XS.
Prerequisites: Completion of Math 3 or teacher recommendation
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5484, 2nd Semester - 5485
Grade Level: 12

Pre-Calculus
Topics covered in this course include the concept of a function, polynomial, rational, exponential and logarithmic functions; complex numbers, and their respective applications. The trigonometric functions, developed from the perspective of a unit circle, will also be covered as well as trigonometric identities and equations and their use in practical situations. Further topics that will be discussed are sequences and series. A graphical approach is taken with emphasis on the use of technology, mathematical modeling, and the connections with the physical sciences. It is required that each student have a TI-84+ graphing calculator. This course is a prerequisite for those students planning to take AP Calculus AB. On the average, students should expect up to 5 hours of homework per week.
Prerequisites: Completion of Math 3 or teacher recommendation.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5466, 2nd Semester - 5467
Grade Level: 10-12

AP Calculus AB
This course is the culmination of the traditional sequence of courses in mathematics at Fenton High School. Topics included are functions, limits, derivatives, integrals, analytical geometry, and their many applications to a variety of practical problems. After completing this course, students will be prepared to take the Advanced Placement Examination in AB Calculus. Upon receipt of a satisfactory score, college credit may be given by select colleges and universities. It is required that each student have a TI-84+ graphing calculator.
Prerequisites: Two semester of Pre-Calculus or equivalent (a grade of B or better in Pre-Calculus or teacher recommendation).
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2061, 2nd Semester - 2062
Grade Level: 11, 12

Accelerated Pre-Calculus
Topics covered in this course include the concept of a function, polynomial, rational, exponential and logarithmic functions, complex numbers and their respective applications, trigonometric functions, developed from the perspective of a unit circle, as well as trigonometric identities and equations and their use in practical situations, parametric equations, sequences and series, and matrices, and if time permits, selected topics in probability and statistics and programming. A graphical approach is taken with emphasis on the use of technology, mathematical modeling, and the connections with the physical sciences. It is required that each student have any version of a TI-84+ graphing calculator. This course is a prerequisite for those students planning to take AP BC Calculus at Fenton High School.
Prerequisites: Two semesters of Accelerated Algebra 2 or equivalent (a grade of B or better in Accelerated Algebra 2 or teacher recommendation).
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2205, 2nd Semester - 2206
Grade Level: 10-12

AP Calculus BC
This course is the culmination of the accelerated sequence of courses in mathematics at Fenton High School. This course includes all Calculus AB topics plus 3 additional units; Applications of Integration, Parametric Equations, Polar Coordinates, & Vector-Valued Functions, and Infinite Sequences & Series. After completing this course, students will be prepared to take the Advanced Placement Examination in either Calculus AB or BC. Upon receipt of a satisfactory score on the BC exam, college credit may be given for the equivalent of Calculus 1 and Calculus 2 by some colleges and universities. It is required that each student have any version of a TI-84+ graphing calculator.
Prerequisites: Two semesters of Accelerated Pre-Calculus or equivalent (a grade of B or better in Accelerated Pre-Calculus or teacher recommendation).
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2063, 2nd Semester - 2064
Grade Level: 12

Calculus 3
This course is equivalent to the third course in a calculus sequence. It includes concepts including vectors in three-space, quadratic surfaces, partial derivatives with applications and multiple integrals with applications, introduction to vector analysis. Elmhurst University will be providing the instruction online or in person depending on the university's course offerings. Students enrolled in this course will become registered students of Elmhurst University and participate in a group visit to tour the campus and partake in an admission presentation. Students who complete the coursework with a grade of D or better will receive full college credit through Elmhurst University and be offered a scholarship opportunity. Students will not receive a bill for taking part in Elmhurst's Collegiate Extension Program.
Prerequisites: Grade of B or better in AP Calculus BC
Semester: 1 **Credit:** 1 Course Credit Awarded through Elmhurst University
Course Code: 1st Semester - 5473, 2nd Semester - 5474
Grade Level: 12

AP Statistics
This course introduces students to the science of collecting, analyzing, and making inferences from data. AP Statistics covers four main themes: Theme 1-0rganizing Data: this involves looking for patterns and departures from patterns, organizing data both numerically and graphically and relationships within the data. Theme 2: producing Data: this involves learning how to design samples and experiments and how to conduct simulations. Theme 3- Probability: this involves the study of randomness, binomial distributions, geometric distributions, and distributions based on samples. Theme 4-Inference: this is of major importance in AP Statistics. Inference involves analyzing data in order to make conclusions with confidence. Students in this course are encouraged to take the Advanced Placement exam. Upon receipt of a satisfactory score, college credit may be given by colleges and universities. It is required that each student have a TI-84+ graphing calculator.
Prerequisites: Completion of Math 3 or teacher recommendation.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 5476, 2nd Semester - 5477
Grade Level: 10-12

CS Discoveries
CS Discoveries is an introductory, classroom-based course appropriate for students with an emerging interest in computer science. The course aims to empower students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. CS Discoveries takes a wide lens on computer science by covering topics such as programming, physical computing, web development, design, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices.
Prerequisite: None
Semesters: 1 **Credit:** 1
Course Code: 5449
Grade Level: 9-12

Intro to Coding
This course will introduce students to computer science through programming. The course will begin with a brief introduction of how computers work and communicate, followed by several units covering an introduction to programming, including: sequence, selection, and iterative constructs, primitive data types, strings, lists, functions, and graphics. The programming language utilized in this class will be Python, which is currently one of the world's most popular programming languages. The duration of this course is one semester and runs first semester only.
Prerequisites: Completion of CS Discoveries or DL approval
Semesters: 1 **Credits:** 1
Course Code: 5447
Grade Level: 9-12

Advanced Coding
This course will be a direct extension from the first semester of Intro to Coding 1 and, thus, will continue where Intro to Coding 1 left off. Intro to Coding 2 will contain several units covering slightly more advanced programming techniques, including: functional programming, object-oriented programming, graphics, and API's. The programming language utilized in this class will be Python, which is currently one of the world's most popular programming languages. The duration of this course will be one semester.
Prerequisites: Completion of CS Discoveries or DL approval
Semesters: 1 **Credits:** 1
Course Code: 5448
Grade Level: 9-12

AP Computer Science Principles
AP Computer Science Principles is a full-year mathematics elective course offering a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Principles will give students the opportunity to use technology to address real- world problems and build relevant solutions Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. This course does not count towards the mathematics requirements for graduation. All 11th graders must be enrolled in a mathematics course concurrently with this course.
Prerequisites: Successful completion of Math 1 or with administrative approval.
Semesters: 2 **Credits:** 2
Course Code: 2099
Grade Level: 9-12

AP Computer Science A
AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. All 10th and 11th graders must be enrolled in a mathematics course concurrently with this course.
Prerequisites: Successful completion of Math 1 and Math 2 or with administrative approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2079, 2nd Semester - 2080
Grade Level: 10-12

PHYSICAL EDUCATION

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Physiology of Exercise 9
Physiology of Exercise 9 offers a variety of activities designed to develop an understanding of the effect exercise has on the body. In addition, these activities will enhance strength, flexibility, and cardiovascular endurance. The topics and activities include an introduction to physiology of exercise, soccer, tennis, weight training, fitness, track and field, and anabolic steroid abuse prevention. This course is required for all 9th grade students, and is taken in the opposite semester of Health.
Prerequisite: None
Semesters: 1 **Credits:** 1
Course Code: 8101
Grade Level: 9

Physiology of Exercise 10, 11, & 12
Students enrolled in Physiology of Exercise 10, 11, or 12 will further their understanding of foundational skills in a variety of physical education activities. Students will continue to learn and apply health and skill related components of fitness. The topics and activities in this course will include units in fitness, lifetime activities, individual sports, team sports, and anabolic steroid abuse prevention. Example activities may include badminton, backyard games, basketball, fitness testing, floor hockey, small group fitness, soccer, tchoukball, ultimate frisbee, volleyball, weight training, and yoga.
Prerequisite: Physiology of Exercise 9
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 8103, 2nd Semester - 8104
Grade Level: 10-12

Student Leader
Student Leaders enrolled in Physiology of Exercise 10, 11, or 12 will support and assist fellow students in their understanding of foundational skills in a variety of physical education activities. Students will continue to learn and apply health and skill related components of fitness. The topics and activities in this course will include units in fitness, lifetime activities, individual sports, team sports, and anabolic steroid abuse prevention. Example activities may include badminton, backyard games, basketball, fitness testing, floor hockey, small group fitness, soccer, tchoukball, ultimate frisbee, volleyball, weight training, and yoga.
Prerequisite: Physiology of Exercise 9
Semesters: 1 or 2 **Credits**: 1 or 2
Course Code: 1st Semester - 8087, 2nd Semester - 8088
Grade Level: 11-12

Strength and Conditioning
The Strength and Conditioning class offers students an opportunity to gain knowledge, skills and techniques, while developing a workout program. Topics of discussion include: anatomical adaptation, hypertrophy, maximum strength, transition phase, muscle breakdown and recovery, nutrition and muscle growth, the proper use of nutritional supplements, and anabolic steroid abuse prevention. Students will also be taught muscle anatomy, principles and theories of muscle hypertrophy and weight lifting, and avoiding and dealing with muscle soreness. As students participate in this course they will actively use weight lifting equipment and will be taught proper usage and safety procedures used in weight training.
Prerequisite: Physiology of Exercise 9
Semesters: 1 or 2 **Credits:** 1 or 2
Course Code: 1st Semester - 8071, 2nd Semester - 8072
Grade Level: 10-12

Fitness and Nutrition
Fitness and Nutrition is a course that combines fitness activities and a food lab experience. Fitness and Nutrition emphasizes a healthy lifestyle with a variety of specific course topics and activities, and developing and preparing tasty, healthy foods. Students will be exposed to sport as well as fitness activities through circuit training, weight training, cardiovascular endurance training, and discussions regarding anabolic steroid abuse prevention. Students will earn a Physical Education credit for this course, and the course is offered as a semester or year-long, and may be repeated.
Prerequisite: Physiology of Exercise 9
Semesters: 1 or 2 **Credits:** 1 or 2
Course Code: 1st Semester - 8073, 2nd Semester - 8074
Grade Level: 11,12

Driver Education Classroom
Classroom driver education is taken during the sophomore year. Students must have earned 10 or more credits and State of Illinois law requires students to have passed a minimum of 8 courses during the previous two semesters. Students enrolled in driver education classroom will take their required physical education courses in the opposite semester. Enrollment order for driver education is determined by student birthdate, and there are no fees to take driver education classroom instruction during the school year. Specific topics and units covered in the classroom portion of driver education include:

- Distracted Driving
- Proper actions to take during a traffic stop
- Appropriate interactions with law enforcement

Prerequisite: 10 or more credits earned and passed a minimum of eight courses during the previous two semesters
Course Code: 8091
Grade Level: 10-12

Behind the Wheel
Behind-the-wheel (BTW) is offered at Fenton High School for students who have successfully completed all State of Illinois classroom driver education requirements. BTW takes place after school, before school, on weekends, and in summer. Students must complete six hours of driving and six hours of observation with a licensed BTW instructor, and BTW has a lab fee of $200. In addition, students must complete fifty hours of driving time with parents/guardians. To sign-up for BTW, students must complete the sign-up form which can be found on the Fenton website. Specific Topics/Units covered in Behind-the-Wheel include:

- Starts, Stops, and Turns
- Backing and Turnabouts
- Multi-Lane Roadways
- City Driving and Maneuvers
- Higher Speed Roadways
- Limited Access Roadways
- Driving in Adverse Conditions

Prerequisite: Successful completion of the classroom phase of Driver Education, and Illinois State law requires students to have passed a minimum of eight courses during the previous two semesters.
Course Code: 9224
Grade Level: 10- 12
Fee: $200.00

Health
The Health Education course is one semester of freshman year, and runs in the opposite semester of a Physiology of Exercise 9 course. Topics of instruction are: health skills, mental and emotional health, family and social health, growth and development, communicable and chronic diseases, nutrition, alcohol, tobacco and other drugs, and consumer and community health. Some specific topics covered include: CPR and AED use, violence prevention and conflict resolution, internet safety, danger and avoidance of abduction, sexual abuse (Erin's Law), and anabolic steroid abuse prevention.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 8025
Grade Level: 9

SCIENCE

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Biology
This full-year introductory course provides an introduction to high school science. Biology is the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environments. The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes. This introductory Biology class presents a scientific study of the structure and function of living organisms and their ecological relationships. Emphasis is given to practical implications and everyday applications that are meaningful to the student.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5681, 2nd Semester -5682
Grade Level: 9

Accelerated Biology
Biology the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environments. The Accelerated Biology curriculum is an introductory course taught in two semesters of high school. The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes, building a foundation for success in the college level AP courses to follow. The Accelerated Biology curriculum differs from the regular Biology curriculum in meaningful ways. This Pre-AP curriculum examines topics with more depth and includes more advanced resource material with more rigorous and extended reading. Laboratory investigations play a more prominent role in the Accelerated course. Labs are more in depth than in the regular curriculum and students are expected to design and carry out experiments using appropriate methods and resources. Students will be encouraged to advocate for their own learning through being organized, prepared and willing to seek out support from their teachers and classmates.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5613, 2nd Semester - 5614
Grade Level: 9-10

Chemistry
This course is designed as the second course in the science sequence for students. This is a laboratory course dealing with the structure of and changes in matter. Some of the topics covered include understanding the physical properties of matter, energy and its interactions with matter, describing and categorizing matter, counting particles and describing chemical change. Laboratory investigations and demonstrations will be a focus in class and guide student learning through presentations of group data and class discussion. Access to a scientific calculator is required on a daily basis.
Prerequisites: Successful completion of Accelerated Biology or Biology
Semesters: 2 **Credits:** 2
Course Code: 1st Semester-5621, 2nd Semester-5622
Grade Level: 10-12

Accelerated Chemistry
This course is designed as a possible second course in the science sequence for students who will pursue a STEM based college prep course of study. This is a fast paced laboratory course dealing with the structure of and changes in matter. Some of the topics covered include properties of matter in various states, energy and motion of particles, introduction to thermodynamics, types of matter, counting by mass and solubility. School assigned TI-30Xs calculator required.
Prerequisites: Successful completion of Accelerated Biology or teacher recommendation
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5721, 2nd Semester - 5722
Grade Level: 10

Physics
The purpose of this course is to give the student a broad understanding of the fundamental concepts and skill of Physics. Physics is the study of the interactions of matter and energy. Course topics include: motion, forces, and momentum; regions of heat, light, sound and waves; and electricity, magnetism, nuclear chemistry and astronomy. Students will investigate topics through frequent inquiry based laboratory experiments. In mastering the content, students will be presented information through several additional means that may include but are not limited to lectures, research projects, and homework. Those who put the time and effort into learning the materials will leave the classroom well prepared to succeed in AP Physics.
Prerequisites: Completion of Math 2 or Chemistry
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5631, 2nd Semester - 5632
Grade Level: 11,12

Biology 2
Biology 2 is a full-year, sequential course, and is intended for students who want to pursue a science-related career or who are preparing to attend a four-year college. In addition to reviewing and extending the depth of the topics presented in Biology, Biology 2 will place an added emphasis on content typically encountered during a college first-year college biology course. The content of the course will include cellular biology, exploring current biotechnology processes, zoology, and human anatomy and physiology. A continued emphasis will be made on the development of laboratory skills, with hands-on activities and discovery learning, following the scientific method as a key focus in the activities.
Prerequisites: Two years required science coursework.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5683, 2nd Semester - 5684
Grade Level: 11,12

Geoscience
Students enrolled in Geoscience have the opportunity to observe and study the physical environment. Major topics covered include the Earth's changing surface, the composition of the surface, Earth history, Astronomy, weather, Oceanography, and climate. The impact on the environment by humans is continually investigated. The course of study utilizes text, video, and laboratory experiences.
Prerequisites: Two years required science course- work.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5676, 2nd Semester - 5677
Grade Level: 11,12

Foundations of Scientific Research
Foundations of Scientific Research is for students concurrently enrolled in a science course and will provide opportunities for developing literacy skills in the context of those courses and for extending learning in those course topics. By enrolling in the course, students will develop and be evaluated on skills in interpreting scientific literature and evaluating the quality of research studies in science and medicine as well as conducting their own research and experiments. Students will develop scientific vocabulary necessary for success in college level science courses. Students on a career pathway to- wards health and other science related fields will benefit from this course.
Students will learn to "Think like a scientist!"
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2075, 2nd Semester -2076
Grade Level: 11,12

AP Chemistry
Advanced Placement Chemistry is designed to be the equivalent of a college introductory course usually taken by chemistry majors during their first year. AP Chemistry differs from a typical high school course with respect to the time and effort required outside of class as well as the laboratory work done by students. Course content will emphasize topics in inorganic chemistry, such as understanding trends in the periodic table and shapes of molecules and properties of molecules as well as thermodynamics and rates of chemical reactions, chemical equilibrium, acids and bases and electrochemistry. Students who earn a successful score on the Advanced Placement examination given in May, may earn college credit.
Prerequisites: Completion of coursework in two sciences one of which is Chemistry (earning a grade of A or B), and the completion of Math 2
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2081, 2nd Semester - 2082
Grade Level: 11,12

AP Physics 1
AP Physics 1 is designed to be an algebra-based introductory class equivalent to the first semester of a college physics course. The primary areas of focus for AP Physics 1 will be motion, forces, energy, momentum, waves, and an introduction into electrostatics and circuitry. Students will investigate topics through frequent inquiry based laboratory experiments. In mastering the content, students will be presented information through sever- al additional means that may include but are not limited to lectures, research projects, and home- work. The coursework will be rigorous and challenging. Those who put the time and effort into learning the materials will leave the classroom well prepared to succeed in their future physics endeavors. Students will have the option of taking the AP Physics 1 exam in May that may allow them to earn college credit.
Prerequisites: Completion of Chemistry and Math 3 with recommended enrollment in Pre-Calculus or higher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2095, 2nd Semester - 2096
Grade Level: 11,12

AP Physics 2
AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, waves, and probability.
Prerequisites: Physics or AP Physics 1
Semesters: 2 **Credits**: 2
Course Code: 002109 / 002110
Grade Level: 11,12

AP Environmental Science
The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Students enrolled in this course will be preparing to take the AP exam in May. Students who earn a successful score on this test may receive college credit in one of the many participating colleges throughout the country.
Prerequisites: Completion of 2 science courses and a grade of B or better in Math 2 or higher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2085, 2nd Semester - 2086
Grade Level: 11,12

AP Biology
Advanced Placement Biology is designed to be the equivalent of a college introductory course, usually taken by biology majors during their first year. Be- cause of the rigor of this course, it is expected that students will possess a high level of motivation and a sound knowledge of chemistry. Students should expect to spend approximately 4 hours per week outside of class working on reading guides, free- response questions, lab reports, projects, and video notes. There is a summer assignment to review basic chemistry concepts and refresh math and graphing skills that will be due the first week of school. Topics studied in this course include bio- chemistry, ecology, cell biology, metabolism, photosynthesis, cell respiration, Mendelian & molecular genetics, biotechnology, evolution, and homeostasis. Students in AP Biology will prepare to take the AP Exam given in May. Students may earn college credit if they earn a passing score on the AP Exam. A or B grade in Chemistry recommended.
Prerequisites: Chemistry
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2083, 2nd Semester - 2084
Grade Level: 11,12

SOCIAL STUDIES

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Constitution Test Requirement
Students that pass the first semester of Introduction to the Social Sciences will demonstrate a clear understanding of patriotism and principles of representative government, proper use of the flag, methods of voting and the Pledge of Allegiance, as required by Illinois State law and the Fenton graduation requirements.) Students that do not pass the first semester of Introduction to the Social Sciences are required to pass a test of the American Constitution in order to graduate. Those students must make individual arrangements with the Division Leader to take the exam.

Introduction to the Social Sciences
What are the social sciences? In order to acquaint students with the various disciplines within the social sciences, this course presents a survey of American civics, psychology, economics, sociology, anthropology, and geography. Various methodologies will be incorporated in order to deal with the basic concepts of the social sciences. The first semester of the course fulfills the state requirement of one semester of civics, focusing on government institutions, the discussion of current and controversial issues, and simulations of the democratic process. It also requires two hours of service learning to teach students the value and importance of civic involvement and service learning in their communities. The theoretical as well as the practical facets of each discipline will be introduced and investigated.
Prerequisites: None
Semesters:2 **Credits**:2
Course Code: 1st Semester-5571, 2nd Semester-5572
Grade Level: 9

World History
World History is a survey of the evolution of diverse civilizations from ancient times to the present. Students learn how the interactions between people from different empires, nation-states, social classes, and religious backgrounds have impacted the course of history. Students will come away from the course with knowledge of world geography, religions, and patterns of social, political, and economic interactions. They will ultimately recognize that the events of the past influence the world we live in today.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -5593, 2nd Semester - 5594
Grade Level: 10

AP World History: Modern
Students taking this course will fulfill the World History graduation requirement, and prepare to take the Advanced Placement exam in World History. The course will develop greater understanding of the evolution of global history through classroom instruction, independent study, document comparison, and the development of historical scholarship, with an emphasis on developing the skills of historical analysis and writing.
Prerequisites: Introduction to the Social Sciences
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -2093, 2nd Semester - 2094
Grade Level: 10

United States History
The course is a survey of the major events in the history of our country with an emphasis on the Twentieth Century. A major focus is on the political, social, economic, and geographic changes that have contributed to the creation of modern America.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester-5551, 2nd Semester-5552
Grade Level: 11

AP United States History
Students taking this course will fulfill the United States History graduation requirement and prepare to take the Advanced Placement Exam in United States History. The course will emphasize the tutorial approach, independent study, historiography and the development of historical scholarship, with an emphasis on developing the skills of historical analysis and writing.
Prerequisites: Introduction to the Social Sciences
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2091, 2nd Semester - 2092
Grade Level: 11

Latino Studies
Latino Studies is a dynamic and interactive exploration of the rich and diverse heritage, culture, and history of Latino communities across the Americas, that also emphasizes contemporary issues in the Latino world such as immigration, social justice, identity, and representation. This course places the student at the center of the learning journey, encouraging active engagement, critical thinking, and meaningful dialogue and discussion. With an emphasis on student choice and presentations, this course empowers the student to take ownership of the learning experience.
Prerequisite: None
Semesters: 1 **Credit**: 1
Course Code: 4635
Grade Level: 11-12

Latino Studies for Spanish Speakers
Latino Studies for Spanish Speakers is a dynamic and interactive exploration of the rich and diverse heritage, culture, and history of Latino communities across the Americas, that also emphasizes contemporary issues in the Latino world such as immigration, social justice, identity, and representation. This course places the student at the center of the learning journey, encouraging active engagement, critical thinking, and meaningful dialogue and discussion. With an emphasis on student choice and presentations, this course empowers the student to take ownership of the learning experience. This course is taught in Spanish.
Prerequisite: Demonstrated Spanish proficiency via placement in Spanish for Heritage Speakers 1, AP Spanish, or Division Leader approval
Semesters: 1 **Credit**: 1
Course Code: 4634
Grade Level: 11-12

AP Psychology
Advanced Placement Psychology is designed to prepare students for the AP Psychology exam, which covers an introduction to the scientific and systematic study of behavior. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. Students will also learn about the methodology utilized by psychologists in their practice including the research methods and the APA writing format. In this way, students will continue to develop their critical thinking as well as their reading and writing skills to help them succeed in college. The class will build on the foundations laid during the second semester of Introduction to the Social Sciences.
Prerequisites: Junior or senior standing and recommendation from one social studies teacher, 2 years of social studies.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2105, 2nd Semester - 2106
Grade Level: 11-12

Military History
Military History is a one semester Social Studies elective focused on the central theme of armed conflict. Students will explore the development of warfare on land, sea and air, weapons and technology, strategy and defense, discipline and intelligence, mercenaries and standing armies, guerrilla assault and nuclear arsenals. Understanding the importance and the role of the military in the formation of individual states and societies will be addressed. Emphasis will be placed on the socioeconomic impact of military progress and the moral questions raised by armed conflict.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 5527
Grade Level: 11,12

AP United States Government and Politics
AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.
Prerequisites: 2 Years of Social Studies
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5528, 2nd Semester - 5529
Grade Level: 11-12

Criminal Justice
Criminal Justice focuses on the legal system of the United States from the mid-20th Century to the present. This course is designed to meet the needs of students wishing to be exposed to the criminal justice system, wanting to explore a possible career in criminal justice, and who are interested in taking an in depth look at the American legal system. The course will acquaint students with legal terms, trial procedures and laws that relate to young adults. Major subject areas include crime, the police, the criminal court system, and corrections. This course is a hands-on learning experience that encourages group projects, class discussion, and real-world experiences. When enrolling in this class, be prepared to work in small groups, as well as individually, throughout the semester.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 5526
Grade Level: 11,12

AP Microeconomics
AP Microeconomics is a second semester course that examines how individuals (such as consumers and producers) make decisions and how these decisions affect our everyday lives. Topics discussed include the forces of supply and demand, costs of production, consumer choice, behavioral economics, and the role of government. Students who enroll in this course will have the opportunity to earn college credit by taking an AP examination in the spring.
Note: It is recommended that you have either taken Math 3, or are taking it concurrently with this course.
Prerequisites: AP Macroeconomics
Semesters: 1 **Credits:** 1
Course Code: 2nd Semester - 2097
Grade Level: 11,12

AP Macroeconomics
This first semester course examines various methods in which society reacts to developments that occur in our economy and represents an introductory college-level Macroeconomics course. Economic issues that once plagued our economy, such as high unemployment rates, home foreclosures, and our $23 trillion national debt are a few of the many topics of discussion. Students will apply economic theory that is presented in class in an effort to provide solutions to various economic problems that can persist in any given country. Students will have an opportunity to earn college credit by taking an AP examination in the spring, and successful completion of this course will fulfill the Consumer Education graduation requirement.
Note: It is recommended that you have either taken Math 3 or are taking it concurrently with this course.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 1st Semester - 2098
Grade Level: 11,12

SPECIAL EDUCATION

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Special Education Services

Fenton Community High School District #100 provides a full continuum of services and placements for students found eligible to receive special education services until graduation or the age of 22.

We are committed to providing a supportive environment in which our students with diverse learning needs can develop academic, social, emotional, vocational, and life skills. The department offers a full continuum of services and placements from support in the general education environment to specialized instructional courses, and/or related services. The primary focus of the Special Education Department is to not only grow students' independent learning skills, but also to prepare students for their future goals in the areas of post- secondary education, employment, and independent living.

Fenton High School maintains specific procedures for referral, placement, and programming. Support and services for each student receiving services is provided as outlined within the student's Individualized Education Plan (IEP). Services and placement are determined by an IEP team through a multi-disciplinary conference based on the student's individual needs. Educational services and placement is provided along a continuum within the Least Restrictive Environment (LRE).
Placements at Fenton may include:

- General education with support (Co-Taught, Teacher Assistants, Supplementary Aids)
- Specialized instruction
- Learning Achievement Program (LAP)
- Life Skills & Related Services such as speech, social work, occupational therapy, and itinerant services (vision & hearing).

LAP

The objective of the Learning Achievement Program (LAP) is to provide an appropriate learning environment for students who thrive with additional emotional, behavioral and academic support. The Learning Achievement Programs works with students who qualify for Special Education under the area of Specific Learning Disabilities, Emotional Disabilities, Autism Spectrum Disorder and Other Health Impairment. The program offers classes in a special education environment taught by the same teacher and consistent teaching assistants. The goal of these classes is to help students establish or improve appropriate emotional regulation, executive functioning, academic and social skills so that they can return to the mainstream educational environment. The program follows a modified Boystown methodology and incorporates the RULER curriculum across all content areas. Discipline is handled using restorative practices.

The program's purpose is to support students as they attain their required academic credits to graduate from Fenton High school. Support is offered using a tiered approach based on student need. Students may take their required classes in a self-contained setting, team-taught setting with special education support and accommodations to meet their social emotional and academic needs, or in a general education setting with the support of a teaching assistant.

Departmental Courses

Reading Language Resource (RLR)
Reading Language Resource is designed to help students with organizational skills as well as to assist with their assignments from the general education curriculum. RLR allows for students to receive individual assistance and to meet the needs listed on the student's Individualized Education Plan.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester-00361, 2nd Semester-00362
Grade Level: 9-12

Community-Based Learning
This course ensures students develop the functional and vocational skills needed to thrive as a productive citizen of the United States and a more global society. Instruction is scaffolded to ensure student success and acquisition of the basic competencies through social-emotional awareness, independent living practices, career soft skills, and career exploration linked to post-secondary transition goals. This course satisfies the requirements of social studies, science, and consumer education.
Prerequisites: Placement determined by IEP Team
Semesters: 2 Credits:3
Course Codes:1st semester 000105- 2nd semester- 000106
Grade levels: 9-12

Pre-Vocational Program
Students who are 16 years or older are introduced to the world of work. Classroom instruction focuses on skills to obtain and maintain a job. Career exploration is individualized to each student's interests and abilities. Second semester is focused on consumer education skills. Students are to maintain a job working 15 hours per week. Students have the opportunity to enroll with the Department Rehabilitation Services for postsecondary services. Students will need to provide a social security number and a parent signature to begin the referral process. This will assist students with career preparation and placement after graduation. In addition, students will create an online portfolio. This includes assessments, interest inventory, and resumes.
NOTE: This course meet the Consumer Education Requirements for Graduation.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 00411 2nd Semester - 00412
Grade Level: 11, 12

Social Psychology
Social Psychology is a foundational course within LAP. In this course students learn appropriate Social Skills following the Boystown Methodology. Students also follow the RULER program which allows students to master the ability to identify and regulate emotions. Curriculum rotates within Social Psychology between RULER, Boystown and Social Emotional based life skill content. This course is only offered to students within the Learning Achievement Program. The program social worker meets with students on an individual basis during this course. This course teaches students how to resolve conflict using restorative justice.
Prerequisite: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester 00606
Grade Level: 9-12

English 9
This course is designed to help students with improvement in the areas of reading comprehension, vocabulary, and written communication skills. Students will analyze fiction, the short story and the novel. Students will be introduced to grammar and essay writing.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 00363 2nd Semester - 00364
Grade Level: 9

General English
This course is designed to meet the students at their current level and maximize their potential with a focus on functional language skills for life. Basic writing will be expanded for a variety of purposes, along with reading skills and study skills habits. These concepts have been designed with the intent to support the students in their other classes as well as to support them to be as independent as possible in managing these skills outside of the classroom. Students may be enrolled in this course for more than one year, depending on their ability. The curriculum is revised each year to suit the students who are enrolled and to build on the previous years' material.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 00233, 2nd Semester - 00234
Grade Level: 9 - 12

English 10
This course aligns directly with the Common Core for English Language Arts and is designed to help students improve reading, writing, speaking, listening and analytical skills through world literature and various genres. This course's content is modified to meet the needs of students with Individualized Education Plans. Assignments and activities will focus on various literary pieces and nonfiction, writing appropriately for different occasions, audiences, and purposes, and improving their speaking, listening, and presentation skills. In addition, we continually practice and review grammar and vocabulary to improve reading, and writing skills.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 00121, 2nd Semester- 00122
Grade Level: 10

English 11
This two-semester course focuses on the study of American literature in combination with extensive practice in composition. Students will explore works of poetry, fiction, nonfiction, and drama spanning the course of American history from the colonial period to the present day. This course is modified to meet needs of students with Individualized Education Plans. In addition, we continually practice and review grammar and vocabulary to improve reading, and writing skills.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 00151, 2nd Semester - 00152
Grade Level: 11,12

English 12
English 12 is a yearlong course for students who require individualized attention in a smaller class setting to receive explicit reading and writing instruction. The course focuses on non-fiction reading to prepare students for careers and community college after high school. Students participate in a novel study each semester, essay writing, resume and cover letter writing, in addition to a career research project to help students outline the next steps from high school to post-secondary life.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 00181, 2nd Semester - 00182
Grade Level:12

English
This course will serve to develop students' competencies in the areas of Reading, Writing, Speaking, Listening, and Social Emotional skills. Students will develop skills related to reading non-fiction text and literature. They will develop writing skills related to narrative, rhetorical argument, and literary analysis. They will also participate in collaborative discussions and produce engaging presentations. Social emotional supports are embedded as an essential part of the instructional model.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 0600, 2nd Semester - 0601
Grade Level: 9-12 (depending on reading level)

Math 1 Part 1
Math 1 Part 1 is the first part of the Math 1 sequence. Students can expect to increase their algebraic vocabulary. Concepts in this course are scaffolded, extending students' understanding and deepening their knowledge of algebra and functions. Students will be exposed to instruction that develops their conceptual understanding, problem solving skills, and critical thinking abilities regarding algebra and functions. Students with intentions of taking additional math courses will need a good understanding of the skills and concepts of Algebra. This curriculum promotes active learning and prepares students for the next part in the Math 1 sequence, Math 1 Part 2. School issued TI-30XS calculator is required for this course.
Prerequisites: Placement determined by IEP Team
Course Codes: 1st Semester -0257, 2nd Semester- 0258
Semesters: 2 **Credits**: 2
Grade Level: 9-12

Math 1 Part 2
Math 1 Part 2 is the second part of the Math 1 sequence. Concepts in this course are scaffolded, extending students' understanding and deepening their knowledge of algebra and functions. Students will continue being exposed to instruction that develops their conceptual understanding, problem solving skills, and critical thinking abilities regarding algebra and functions. This curriculum promotes active learning and prepares students for the Math 2 and Explorations of Geometry. School issued TI- 30 Xs calculator is required for this course.
Prerequisites: Placement determined by IEP Team
Course Codes: 1st Semester - 0259, 2nd Semester - 0260
Semesters: 2 **Credits:** 2
Grade Level: 10-12

Explorations of Geometry
This two semester geometry course continues the math sequence for students who have completed Math 1 P1 and Math 1 P2. This course will explore the fundamental concepts of geometry such as triangles, circles, parallel lines, and solid geometry. Fundamental vocabulary, properties, and the language of geometry will be taught. Algebra skills will be reinforced through the application of geometric concepts.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 00295, 2nd Semester - 00296
Grade Level: 10-12

General Math
This math class focuses on functional mathematics in real- life contexts. Basic money concepts such as total costs, change, tax, and budgets are covered. Time management, reading schedules, and using a map are also concepts covered throughout the year. Percentages, fractions, and decimals are covered in the context of real life situations such as cooking, measurement, and budgeting purposes. Numeration and computation of numbers in daily living, which included addition of percentages, fractions and decimals, are covered throughout the year. The course changes from year to year depending on repeat students, so that each year they grow and advance in their skills.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -0235, 2nd Semester - 0236
Grade Level: 9-12

Consumer Math
In Consumer Math, students will earn about topics that are vital for life after high school. Students will learn about money management, budgeting, banking and checking accounts, renting/home ownership, saving money/ investing, purchasing a car, insurance, credit as well as how to become an educated consumer in our society. Note: This course meets the Consumer Education Requirements for Graduation.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits**: 2
Course Code 1st Semester - 00273, 2nd Semester - 00274
Grade Level: 12

Math
This course provides a varying array of mathematical concepts based on individual student's needs. The course ensures students develop the foundational mathematical competencies addressed with- in the math department: Simplify, Solve & Evaluation, Symbolic & Graphical Representation, Spatial Reasoning & Analysis, Probability & Statistics, Mathematical/Logical Argumentation, Reflection & Problem Solving, and Communication & Collaboration. Social Emotional Supports are embedded as an essential part of the instructional model.
Prerequisites: Placement determined by IEP Team
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 00602, 2nd Semester - 00603
Grade Level: 12

Health Skills
Health Skills is designed to instruct students in the following health related subjects: nutrition, wellness, tobacco, alcohol and drugs, and sexuality. Students will learn the factors that contribute to good physical, mental and social health.
Prerequisites: Placement determined by IEP Team
Semesters: 1 **Credits:** 1
Course Code: 00510
Grade Level: 9

World History
World History is a survey of the evolution of diverse civilizations from ancient times to the present. Students learn how the interactions between people from different empires, nation-states, social classes, and religious backgrounds have impacted the course of history. Students will come away from the course with knowledge of world geography, religions, and patterns of social, political, and economic interactions. They will ultimately recognize that the events of the past influence the world we live in today.
Prerequisites: Placement determined by IEP Team
Semesters:2 **Credits**:2
Course Code: 1st Semester - 00616, 2nd Semester - 00617
Grade Level: 10

U.S. History
The course is a survey of the major events in the history of our country with an emphasis on the Twentieth Century. A major focus is on the political, social, economic, and geographic changes that have contributed to the creation of modern America.
Prerequisites: Placement determined by IEP Team.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester-0608, 2nd Semester - 0609
Grade Level: 11

Social Studies
This course offers a varying array of concepts based on students' individual needs. In order to acquaint students with the various disciplines within the social sciences, this course presents a survey of American civics, psychology, economics, sociology, anthropology, and geography. Various methodologies will be incorporated in order to deal with the basic concepts of the social sciences. The first semester of the course fulfills the state requirement of one semester of civics, focusing on government institutions, the discussion of current and controversial issues, and simulations of the democratic process. It also requires two hours of service learning to teach students the value and importance of civic involvement and service learning in their communities. The theoretical as well as the practical facets of each discipline will be introduced and investigated. Social Emotional supports are embedded as an essential part of the instructional model.
Prerequisites: Placement determined by IEP Team.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester – 0604, 2nd Semester - 0605
Grade Level: 9

SPECIALIZED PROGRAMMING AND COURSES

Fenton Academic Curriculum through Technology (FACT)
The Fenton Academic Curriculum through Technology (FACT) program is an alternative educational placement. Designed for students to recover credits of failed classes and/or completing credits needed to achieve an on-time graduation, placement in the program is determined through an administrative meeting, or through the recommendation of the Bison Intervention Team. The FACT class meets for a shortened school day (see attached calendar for hours) in a computer lab where instruction is delivered through interactive online courses, and facilitated by a classroom teacher. Student placement in the program is for one full semester at a time, and exit from the program to the comprehensive day school program at FHS is dependent on sustained success in the areas of academic progress, attendance, and appropriate behavior. A meeting is held at the end of the semester to determine next steps for educational placement.

Bison Orange
Bison Orange is an intervention designed to improve academic performance. Bison Orange is an alternative to a regular study hall and occurs within the regular school day. Students are selected for the intervention based on credit status or recommendation.
Prerequisite: None
Semester(s): 1 **Credits:** 1
Grade Level: 9-12

Personal Power
This course is designed to help students identify their individual talents, create the internal motivation and drive to expand those talents, assume responsibility for themselves, interact responsibility with others and claim their self-esteem. Students will develop the ability to set specific goals and the commitment and determine to stick with them.
Prerequisite: None
Semester(s): 1 **Credits:** 1
Course Code: 4003
Grade Level: 9-12 (seniors may enroll Semester 1)

Leadership for Life
This course encourages students to develop self-awareness and self-management skills to achieve school and life success, recognize personal qualities and external supports, demonstrate skills related to achieving personal and academic goals, school, and life success, use social awareness and interpersonal skills to establish and maintain positive relationships, and demonstrate decision-making skills and responsible behaviors in person- al, school, and community contexts.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 4013
Grade Level: 10-12 (Seniors may enroll 1st semester only)

Consumer Education
Do you feel that you are ready for life after high school? Are you confident that you will have enough money to support yourself and live the type of lifestyle you want to live? By enrolling in Consumer Education, you will take the first step in preparing for a successful future by learning how to manage credit, invest for retirement, and budget everyday expenses. Students will also complete projects on buying a new home and buying a new or used car. Students will gain a greater understanding of basic economic concepts so they can make informed buying decisions and learn how to manage their money. **Note:** This Course Meets the Consumer Education Graduation Requirement.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 7075
Grade Level: 10-12

WORLD LANGUAGES

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Seal of Biliteracy

The Illinois State Seal of Biliteracy program recognizes high school graduates who have attained a high level of proficiency in English and one or more other languages. Fenton recognizes qualifying students with the Seal of Biliteracy upon graduation. To earn the Seal of Biliteracy, each qualifying student must demonstrate proficiency in English and another language by the spring of their Senior year on a state-approved language assessment that is aligned to the ACTFL language proficiency standards. Students who approach the criteria but do not meet it may be eligible for the Commendation toward Biliteracy. Information about registering for the language assessments will be sent out to all qualifying seniors in the second semester of their senior year. Tests will be administered to seniors during the second semester of their senior year. Once a student has demonstrated proficiency in English and another language, the designation will be added to the student's transcript and affixed to the diploma upon graduation. Illinois school code requires each public university and community college in Illinois to accept the State Seal of Biliteracy as equivalent to two years of foreign language coursework taken in high school for admissions purposes. Furthermore, it also requires Illinois public universities and community colleges to establish criteria to translate a State Seal of Biliteracy into course credit based on foreign language course equivalencies. Students are required to request this opportunity from the university/community college they attend.

Spanish Level 1

In Spanish 1 students begin to develop their competence in Spanish across three modes of communication: interpersonal, presentational, and interpretive. Students present information on familiar, everyday topics using a variety of practiced or memorized words, phrases, and simple sentences through spoken and written language. Additionally, students explore the cultures of the Spanish-speaking world, making comparisons and connections with their own experiences.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -5221, 2nd Semester-5222
Grade Level: 9-12

Spanish Level 2

Students continue to develop their competence in Spanish across the three modes of communication: interpersonal, presentational, and interpretive. Students communicate information, make presentations, and express their thoughts about familiar topics, using sentences and series of connected sentences through spoken and written language. Additionally, students explore the cultures of the Spanish-speaking world, making comparisons and connections with their own experiences. Communication in class (teacher-student and student-student) is primarily in Spanish.
Prerequisites: Spanish 1
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -5251, 2nd Semester-5252
Grade Level: 10-12 (9 with approval)

Spanish Level 3

Students continue to develop their competence in Spanish across the three modes of communication: interpersonal, presentational, and interpretive. Students communicate information, make presentations, and express their thoughts about increasingly complex topics using series of connected sentences through spoken and written language. Additionally, students explore the cultures of the Spanish-speaking world, making comparisons and connections with their own experiences. Communication in class (teacher-student and student- student) is entirely in Spanish.
Prerequisites: Spanish 2
Semesters: 2 **Credits**: 2
Course Code:1st Semester -5281, 2nd Semester - 5282
Grade Level: 11,12 (10 with approval)

Spanish Level 4
An advanced-level, content-based Spanish course for both non- native and native advanced speakers, Spanish 4 is an alternate course for students who want to continue their language learning experience without the specific college level AP curriculum. A variety of authentic materials and cultural resources such as the use of short films, newspaper articles, video clips, short stories, and novels will be used to further develop competency in the interpersonal, presentational, and interpretive modes. The course also includes a year-long review of Spanish grammar. Communication in class (teacher- student and student-student) is entirely in Spanish.
Prerequisites: Spanish 3
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5307, 2nd Semester- 5308
Grade Level: 11,12

AP Spanish Language & Culture
AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students study authentic, current publications, historical texts, infographics, and original works of literature, and these texts are used as points of departure for classroom discussion. Communication in class (teacher-student and student-student) is entirely in Spanish. **Note:** It is recommended that only students who achieved a grade of C or higher in language level 3 continue to language level 4.
Prerequisites: Spanish 3 or Spanish 3 for Heritage Speakers
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2051, 2nd Semester - 2052
Grade Level: 11,12

Spanish 1 for Heritage Speakers
This Level 1 course is designed for students who live in a home where their primary language is Spanish. This course offers the opportunity for students to expand and advance their knowledge of the Spanish language and culture. The units of study expose them to Latino culture and foster a sense of pride and identity in their heritage. Conversational ability is required to enter this course and students must demonstrate some basic reading and writing knowledge through placement tests. Literacy skills in reading, writing, and vocabulary will be developed so students become proficient enough to continue to Spanish 2 for Heritage Speakers. Interpretive listening and reading is focused on the recognition of key details and making inferences about the content of authentic sources. The course will also address specific needs of the group as grammatical and vocabulary gaps are noted. The class is conducted entirely in Spanish, using authentic resources.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester-5313, 2nd Semester-5314
Grade Level: 9-12

Spanish 2 for Heritage Speakers
This is the second course for students who live in a home where their primary language is Spanish. The course builds on skills learned in Spanish 1 for Heritage Speakers and continues the study of their rich Latino culture and history. Literacy skills in reading, writing and vocabulary continue to be developed so students become proficient enough to continue to Spanish 3 for Heritage Speakers. Interpretive listening and reading tasks are focused on both literal comprehension and inferential interpretation. The class is conducted entirely in Spanish using various forms of authentic resources. Note It is recommended that only students who achieved a grade of C or higher in language level 1 continue to language level 2.
Prerequisite: Spanish 1 for Heritage Speakers
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5315, 2nd Semester – 5316
Grade Level: 9-12

Spanish 3 for Heritage Speakers
This is the third course for Heritage Spanish speakers. Students in level 3 will have the opportunity to refine previously introduced skills with emphasis on the three modes of communication: interpersonal, interpretive, and presentational. In addition, students are exposed to topics that focus on Latino culture and history. Class is conducted entirely in Spanish using various forms of authentic resources. Students who successfully complete this course may take AP Spanish Language if they meet the course recommendations or Spanish 4. Note: It is recommended that only students who achieved a grade of C or higher in language level 2 continue to language level 3.
Prerequisite: Spanish 2 or Spanish 2 for Heritage Speakers
Semesters: 2 **Credits**: 2
Course Code: 1st Semester –5317, 2nd Semester – 5318
Grade Level: 9-12

French Level 1
Students begin to develop their competence in French across three modes of communication: interpersonal, presentational, and interpretive. Students present information on familiar, everyday topics using a variety of practiced or memorized words, phrases, and simple sentences through spoken and written language. Additionally, students explore the cultures of the French-speaking world, making comparisons and connections with their own experiences.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -5201, 2nd Semester- 5202
Grade Level: 9-12

French Level 2
Students continue to develop their competence in French across the three modes of communication: interpersonal, presentational, and interpretive. Students communicate information, make presentations, and express their thoughts about familiar topics, using sentences and series of connected sentences through spoken and written language. Additionally, students explore the cultures of the French-speaking world, making comparisons and connections with their own experiences. Communication in class (teacher-student and student-student) is primarily in French.
Prerequisites: French 1
Semesters: 2 **Credits**: 2
Course Code: 1st Semester -5231, 2nd Semester - 5232
Grade Level: 10-12 (9 with approval)

French Level 3
Students continue to develop their competence in French across the three modes of communication: interpersonal, presentational, and interpretive. Students communicate information, make presentations, and express their thoughts about increasingly complex topics using series of connected sentences through spoken and written language. Additionally, students explore the cultures of the French-speaking world, making comparisons and connections with their own experiences. Communication in class (teacher-student and student-student) is entirely in French.
Prerequisites: French 2
Semesters: 2 **Credits**: 2
Course Code:1st Semester - 5261 2nd Semester - 5262
Grade Level: 11,12 (10 with approval)

AP French Language and Culture
AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students study authentic, current publications, historical texts, info graphics, and original works of literature, and these texts are used as points of departure for classroom discussion. Communication in class (teacher-student and student-student) is entirely in French.
Prerequisite: French 3
Semesters: 2 **Credits**: 2
Course Code: 1st Semester-2031, 2nd Semester- 2032
Grade Level: 11,12

German Level 1
Students begin to develop their competence in German across three modes of communication: interpersonal, presentational, and interpretive. Students present information on familiar, everyday topics using a variety of practiced or memorized words, phrases, and simple sentences through spoken and written language. Additionally, students explore the cultures of the German-speaking world, making comparisons and connections with their own experiences.
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5211, 2nd Semester – 5212
Grade Level: 9-12

German Level 2
Students continue to develop their competence in German across the three modes of communication: interpersonal, presentational, and interpretive. Students communicate information, make presentations, and express their thoughts about familiar topics, using sentences and series of connected sentences through spoken and written language. Additionally, students explore the cultures of the German-speaking world, making comparisons and courses, the four communication skills of listening, speaking, reading, and writing continue to be expanded through personal development, career, and community themes. During each unit, students create narrative and argumentative essays, presentations, and speeches that use evidence from the informational texts read in class. Research skills and technology presentation- al skills are integrated throughout the course. This course meets the English 2 requirement for graduation.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 4527, 2nd Semester - 4528
Grade Level: 9-12

German Level 3
Students continue to develop their competence in German across the three modes of communication: interpersonal, presentational, and interpretive. Students communicate information, make presentations, and express their thoughts about increasingly complex topics using series of connected sentences through spoken and written language. Additionally, students explore the cultures of the German-speaking world, making comparisons and connections with their own experiences. Communication in class (teacher-student and student-student) is entirely in German.
Prerequisites: German 2
Semesters: 2 **Credits:** 2
Course Code:1st Semester - 5271, 2nd Semester - 5272
Grade Level: 11,12 (10 with approval)

AP German Language and Culture
AP German Language and Culture is equivalent to an intermediate level college course in German. Students cultivate their understanding of German language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students study authentic, current publications, historical texts, infographics, and original works of literature, and these texts are used as points of departure for classroom discussion. Communication in class (teacher-student and student-student) is entirely in German.
Prerequisite: German 3
Semesters: 2 **Credits:** 2
Course Code: 1st Semester -2041, 2nd Semester- 2042
Grade Level: 11,12

CAREER EXPLORATION PROGRAMS OF STUDY

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A program of study is a coordinated sequence of academic and technical content and courses that incorporate (a) challenging State academic standards, (b) employer-informed competencies and skills, (c) employability skills, (d) workplace learning, (e) team-based challenges, (f) credentials and/or college credit opportunities, is aligned to economic needs of industries, progresses in specificity, and has multiple exits and entry points.

To complete a "Program of Study," students must complete, at a minimum, one Introduction course & one Skills course in the same area. Students can enroll in an Advanced course in an area of study to deepen their knowledge and skills. All students are highly encouraged to enroll in one Internship course prior to graduation.

It is highly recommended that every student complete a Program of Study while at Fenton High School. Completing a Program of Study will help students meet the ISBE Career Indicators outlined below:

ILLINOIS STATE BOARD OF EDUCATION CAREER READINESS INDICATORS
ISBE recommends that a student complete at least 3 Career Readiness Indicators Prior to Graduation:

- Career Development Experience during the high-school career
- Industry Credential at any point in time before graduation
- Military Service or an ASVAB Score of 31 or Higher during high-school career
- Dual Credit Career Pathway Course (College Credit Earned)
- * Completion of Program of Study before graduation
- Attaining and Maintaining Consistent Employment for a Minimum of 12 Months during high school
- Consecutive Summer Employment during high-school career
- 25 Hours of Community Service during high-school career
- Two or More Organized Co-Curricular Activities during high-school career

PROGRAMS OF STUDY COURSE LEVEL DESCRIPTIONS:

INTRODUCTION COURSE
Introduction courses are semester-long experiences where students learn the foundational concepts and skills within a program of study. Students are encouraged to take more than one Introduction course before selecting a Skills course. Students may take Introductory courses at any grade level.

SKILLS COURSE
Skills courses are typically year-long experiences designed to ensure students develop the competencies needed for entry-level employment or further post- secondary education in that particular program of study. Students must complete an Introduction course in that program of study before enrolling in a Skills course.

ADVANCED COURSE
Advanced courses are semester or year-long experiences that develop specific technical competencies and skills needed for employment or further post- secondary education. Although it is recommended that a student complete an Introduction & Skills course in the same area before enrolling in an advanced course, it is not required (approval from the course teacher and division leader may be required).

INTERNSHIP COURSE
All students are encouraged to enroll in a Internship course before graduation. Students must complete an Introduction and Skills course in that area before enrolling in a Internship Course. Advanced courses are NOT required to take a Internship course. Internship courses may run one, two, or three periods of the school day.

College & Career Pathways
Fenton High School



AGRICULTURE, FOOD, & NATURAL RESOURCES

ARTS & COMMUNICATION



Multimedia Communication & Production; Music; Performance Arts; Visual Arts; World Language



COMPUTER & INFORMATION TECHNOLOGY



FINANCE & BUSINESS SERVICES



HEALTH SCIENCES & TECHNOLOGY



HUMAN & PUBLIC SERVICES

Culinary Arts; Education & Training; Latino Studies; Law, Public Safety Government & Public Administration; Nutrition & Wellness; Cosmetology



MANUFACTURING, ENGINEERING, TECHNOLOGY & TRADES (METT)

Automotive Trades; Construction & Architecture; Engineering & Robotics; Manufacturing

***Opportunity for College Credit** **+Embedded Work-Based Learning**

AGRICULTURE, FOOD & NAT. RESOURCES		Grade	Sem
RELATED	Geoscience	11-12	2
	AP Environmental Science *	11-12	2
	Foundations of Scientific Research *	11-2	1-2
	Internship: Agr., Food & Nat. Resources (2-3 periods) +	11-12	1-2

MULTIMEDIA COMMUNICATION & PRODUCTION		Grade	Sem
INTRO	Graphics Comm & Production	9-12	1
SKILL	Advanced Graphics Comm & Production	10-12	2
ADVANCED	Internship: Arts & Comm (2-3 periods) +	11-12	1-2
	TCD Multimedia &TV Production (3 periods) *	11-12	2
RELATED	Creative Writing	11-12	1

PERFORMANCE ARTS		Grade	Sem
INTRO	Acting	9-12	1
	Theatre	9-12	1
ADVANCED	Internship: Arts & Comm (2-3 periods) +	11-12	1-2
RELATED	Creative Writing	11-12	1

VISUAL ARTS		Grade	Sem
INTRO	2D Art 1	9-12	1
	3D Art 1	9-12	1
	Photo 1	9-12	1
SKILL	2D Art 2	9-12	1
	3D Art 2	9-12	1
	Photo 2	9-12	1
ADVANCED	AP 3D Art *	10-12	2
	AP 2D Art *	10-12	2
	AP Photo *	10-12	2
	AP Art History *	10-12	2
	Internship: Arts & Comm (2-3 periods) +	11-12	1-2

MUSIC		Grade	Sem
INTRO	Music Appreciation	9-12	1
	Music Production	9-12	1
	Guitar 1	9-12	?
	Piano 1	9-12	?
	Concert Band	9-12	2
	Symphonic Winds	9-12	2
	Chorale	9-12	2
	Treble Choir	9-12	2
	High Five Choir	9-12	1
SKILL /ADV.	Guitar Ensemble	10-12	2
	Piano 2	10-12	?
	Concert Choir	10-12	2
	AP Music Theory *	10-12	2
	Internship: Arts & Comm (2-3 periods) +	11-12	1-2

WORLD LANGUAGE		Grade	Sem
INTRO	French 1	9-12	2
	German 1	9-12	2
	Spanish 1	9-12	2
	Spanish 1 Heritage Speakers	9-12	2
SKILL	French 2	10-12	2
	German 2	10-12	2
	Spanish 2	10-12	2

	Spanish 2 Heritage Speakers	9-12	2
ADVANCED	French 3	11-12	2
	AP French *	11-12	2
	German 3	11-12	2
	AP German *	11-12	2
	Spanish 3	11-12	2
	Spanish 4	11-12	2
	Spanish 3 Heritage Speakers	9-12	2
	AP Spanish *	11-12	2
	Internship: Arts & Communications + (2-3 periods)	11-12	1-2
RELATED	Latino Studies		1

	COMPUTER & INFORMATION TECHNOLOGY	Grade	Sem
INTRO	Computer Science Discoveries	9-12	1
SKILL	Intro to Coding	10-12	1
	Advanced Coding	10-12	1
	AP Comp Sci Principles *	10-12	2
	Computer Network & Mainten.	10-12	1
ADVANCED	AP Computer Science A *	10-12	2
	Internship: Computer & Info Technology (2-3 periods) +	11-12	1-2
	TCD Comp Inform Systems & Game Design (3 periods) *	11-12	2

	FINANCE & BUSINESS SERVICES	Grade	Sem
INTRO	Business Orientation	9-12	1
SKILL	Marketing & Management *	10-12	2
ADVANCED	Investment Management *	10-12	1
	Accounting Procedures *	10-12	1
	Entrepreneurship (VEI)	10-12	2
	AP Macroeconomics	11-12	1
	AP Microeconomics	11-12	1
	Internship: Finance & Business Services (2-3 periods) +	11-12	1-2
RELATED	AP Statistics *	10-12	2
	Leadership for Life	10-12	1

	HEALTH SCIENCES	Grade	Sem
INTRO	Health Care Occupations	9-12	1
ADVANCED	Internship: Health Sciences (2-3 periods) +	11-12	1-2
	TCD Emergency Med Technician (3 periods) * +	11-12	2
	TCD Nursing Assistant Training (3 periods) *+	11-12	2
	TCD Medical Assisting (3 periods) +	11-12	2
	TCD Med Term & HealthCare Careers (3 periods) *	11-12	2
RELATED	Biology 2	11-12	2
	AP Biology *	11-12	2
	AP Chemistry *	11-12	2
	AP Physics *	11-12	2
	AP Physics 2 *	11-12	2
	Foundations of Sci Research	11-12	1-2
	AP Calculus AB *	11-12	2
	AP Calculus BC *	11-12	2
	AP Psychology *	11-12	2
	AP Statistics *	11-12	2

	CULINARY ARTS	Grade	Sem
INTRO	Culinary 1	9-12	1
SKILL	Culinary 2	10-12	2
ADVANCED	Internship: Human & Public Services (2-3 periods) +	11-12	1-2

	TCD Professional Cooking, Baking & Service (3 periods) *	11-12	2

EDUCATION AND TRAINING		Grade	Sem
INTRO	Child Dev. & Parenting	9-12	1
SKILL	Early Child & Elem Ed +	10-12	2
ADVANCED	Intro to Education * +	10-12	1
	Internship: Human & Public Services (2-3 periods) +	11-12	1-2
	TCD Early Child (3 periods) *	11-12	2
RELATED	AP Psychology*	11-12	2

LATINO STUDIES		Grade	Sem
ADVANCED	Latino Studies	11-12	1

LAW, PUBLIC SAFETY, & GOVERNMENT		Grade	Sem
SKILL	Criminal Justice	11-12	1
ADVANCED	Internship: Human & Public Services (2-3 periods) +	11-12	1-2
	TCD Crim. Justice (3 periods) *	11-12	2
	TCD Fire Science (3 periods)	11-12	2
RELATED	Military History	11-12	1
	AP US Gov & Politics*	11-12	2

NUTRITION & WELLNESS		Grade	Sem
INTRO	Culinary 1	9-12	1
SKILL	Strength & Conditioning	10-12	2
	Fitness & Nutrition	10-12	2
ADVANCED	Food Prep Health Management	11-12	1
	Internship: Human & Public	11-12	1-2

	Services (2-3 periods) +		

COSMETOLOGY		Grade	Sem
ADV	TCD Cosmetology(3 periods) * +	11-12	2

AUTOMOTIVE TRADES		Grade	Sem
INTRO	Small Engine	9-12	1
SKILL	Auto Tech 1 *	10-12	2
ADVANCED	Auto Tech 2 #	11-12	2
	Internship:METT (2-3 periods)+	11-12	1-2
	TCD Autobody Repair & Refinishing (3 periods) *	11-12	2
	TCD Automotive Technology (3 periods) *	11-12	2

CONSTRUCTION & ARCHITECTURE		Grade	Sem
INTRO	Woods	9-12	1
SKILL	Advanced Woods	10-12	2
SKILL	Construction Trades	10-12	2
ADVANCED	Internship: METT (2-3 periods) +	11-12	1-2
	TCD Construction Trades (3 periods) *	11-12	2
	TCD HVAC & Refrigeration & Residential Wiring (3 periods)	11-12	2
	TCD Welding Technology (3 periods)	11-12	2

ENGINEERING & ROBOTICS		Grade	Sem
INTRO	Intro Engineering Robotics	9-12	1
SKILL	Principles Engineering & Robotics (PLTW)	10-12	2
ADVANCED	Engineering Design	10-12	2
	Internship: METT (2-3 periods) +	11-12	1

	TCD Robotics & Automation Technology (3 periods)	11-12	2
RELATED	Physics	11-12	2
	AP Physics 1 *	11-12	2
	AP Physics 2 *	11-12	2
	Intro and Advanced Coding	10-12	2

MANUFACTURING		Grade	Sem
ADVANCED	Internship: METT (2-3 periods) +	11-12	1-2
	TCD Manufacturing, CNC & MachiningTech (3 periods)	11-12	2
	TCD Welding Tech (3 periods)	11-12	2
RELATED	Adv. Graphics Comm & Production	10-12	1
	Intro to Engineering & Robotics	9-12	1
	Principles of Engineering & Robotics (PLTW)	10-12	2

AGRICULTURE, FOOD & NATURAL RESOURCES

Are you interested in protecting the environment? Do you like to work outside? Are you a nature lover? Are you interested in caring for plants and/ or animals? Are you interested in the Physical Sciences? If you answered yes to any of these questions, then a career in agriculture, food and natural resources. As a worker in this career, you might work on a farm, ranch, dairy, orchard, greenhouse, or plant nursery. You could also work in a clinic or laboratory as a scientist or engineer. Or, you might sell services that farmers or ranchers use to improve products.

Geoscience
Students enrolled in Geoscience have the opportunity to observe and study the physical environment. Major topics covered include the Earth's changing surface, the composition of the surface, Earth history, Astronomy, weather, Oceanography, and climate. The impact on the environment by humans is continually investigated. The course of study utilizes text, video, and laboratory experiences.
Prerequisites: Two years required science course- work.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5676, 2nd Semester - 5677
Grade Level: 11,12

AP Environmental Science
The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Students enrolled in this course will be preparing to take the AP exam in May. Students who earn a successful score on this test may receive college credit in one of the many participating colleges throughout the country.
Prerequisites: Completion of 2 science courses and a grade of B or better in math 2 or higher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2085, 2nd Semester - 2086
Grade Level: 11,12

AP Chemistry
Advanced Placement Chemistry is designed to be the equivalent of a college introductory course usually taken by chemistry majors during their first year. AP Chemistry differs from a typical high school course with respect to the time and effort required outside of class as well as the laboratory work done by students. Course content will emphasize topics in inorganic chemistry, such as understanding trends in the periodic table and shapes of molecules and properties of molecules as well as thermodynamics and rates of chemical reactions, chemical equilibrium, acids and bases and electrochemistry. Students who earn a successful score on the Advanced Placement examination given in May earn college credit.
Prerequisites: Completion of coursework in two sciences one of which is Chemistry (earning a grade of A or B), and the completion of Math 2.

Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2081, 2nd Semester - 2082
Grade Level: 11,12

AP Physics 1
AP Physics 1 is designed to be an algebra-based introductory class equivalent to the first semester of a college physics course. The primary areas of focus for AP Physics 1 will be motion, forces, energy, momentum, waves, and an introduction into electrostatics and circuitry.
Students will investigate topics through frequent inquiry based laboratory experiments. In mastering the content, students will be presented information through sever- al additional means that may include but are not limited to lectures, research projects, and home- work. The coursework will be rigorous and challenging. Those who put the time and effort into learning the materials will leave the classroom well prepared to succeed in their future physics endeavors. Students will have the option of taking the AP Physics 1 exam in May that may allow them to earn college credit.
Prerequisites: Completion of Chemistry and Math 3 with recommended enrollment in Pre-Calculus or higher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2095, 2nd Semester - 2096
Grade Levels: 11, 12

AP Physics 2
AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, waves, and probability.
Prerequisites: Physics or AP Physics 1
Semesters: 2 **Credits**: 2
Course Code:
Grade Level: 11,12

Foundations of Scientific Research
Foundations of Scientific Research is for students concurrently enrolled in a science course and will provide opportunities for developing literacy skills in the context of those courses and for extending learning in those course topics. By enrolling in the course, students will develop and be evaluated on skills in interpreting scientific literature and evaluating the quality of research studies in science and medicine as well as conducting their own research and experiments. Students will develop scientific vocabulary necessary for success in college level science courses. Students on a career pathway to- wards health and other science related fields will benefit from this course. Students will learn to “Think like a scientist!”
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2075, 2nd Semester - 2076
Grade Level: 11,12

Agriculture, Food & Natural Resources Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0013
Grade Levels: 11, 12

ARTS & COMMUNICATION

Multimedia Communication

Graphics Communication and Production Graphic Communication and Production course will teach students to use artistic techniques to effectively communicate ideas via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing, collage and computer graphics.
Prerequisite: None
Semesters: 1 **Credits:** 1
Course Code: 7738
Grade Level: 9-12

Advanced Graphics and Communication Production
Advanced Graphic Communications Production provides learning experiences common to all graphic communications occupations. Instruction includes the use of color, balance and proportion in design; three-dimensional visualization; sketching; design procedures; layout techniques; selection of appropriate tools and media; and the use of the computer as a communication tool. Upon learning the foundational skills students will engage in the production of complex designs including a mass production project, multiple color decal, laser engraved items, display and advertisement, and other print production projects of their own design. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to the graphic arts industry.
Prerequisite: Graphics Communication and Production
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 7739, 2nd Semester - 7740
Grade Level: 10-12

Arts & Communications Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in this program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0001
Grade Level: 11, 12
Musical Arts

Music Appreciation
Music shapes and is shaped by our lives. Music Appreciation is a one-semester course that will give students a basic understanding of music and inspire interest in music from a variety of genres and cultures. Through this course, students will learn the fundamentals of creating, enjoying, and listening to music. Students will gain exposure to voice, piano, guitar and percussion, which will allow them to learn about the basics of creating music, including melody, harmony, and rhythm. Students will explore instrumental and vocal timbre and will critique musical performances. Students will also listen to and learn about musical styles including traditional, folk, jazz, opera, popular, and classical music. Through unique online software, students will be able to compose, arrange, and share their own musical ideas. No prior experience with music is necessary to enroll in this course.
Prerequisites: None
Semesters: 1 **Credits:** 1

Course Code: 002135
Grade Level: 9-12

Chorale
The Chorale is a group designed for the developing vocal musician. Students will learn the basics of musicianship and proper vocal production techniques, while studying a wide variety of choral literature. This group performs in all of the regularly scheduled concerts of the school year. In Chorale, the music materials focus upon easy to moderately difficult multiple part writing for male and female voices.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6311, 2nd Semester - 6312
Grade Level: 9-12

Treble Choir
The Treble choir is an intermediate level vocal group for treble singers. Students will learn the basics of musicianship and proper vocal production techniques, while studying a wide variety of choral literature. This group performs in all of the regularly scheduled concerts of the school year. In Treble Choir, the music materials focus upon easy to moderately difficult two- and three- part writing for treble voices.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6301, 2nd Semester - 6302
Grade Level: 9-12

Concert Choir
The Concert Choir is the premiere vocal ensemble at Fenton High School. Students will continue to develop sight-reading skills, ear training skills and vocal production, while studying a wide variety of choral literature. This group performs in all of the regularly scheduled concerts of the school year and additional performances in the community. In Concert Choir, the music materials focus upon moderate to advanced multiple-part writing for male and female voices.
Prerequisites: Previous reason or director approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6321, 2nd Semester - 6322
Grade Level: 10-12

Accelerated Concert Choir
Students may take Concert Choir for Accelerated Credit. Students in Accelerated Concert Choir must meet the regular course requirements as well as choose six of the following options:

- Receive private voice lessons
- Provide private lessons to underclassmen or younger vocal student
- Perform a Solo at Solo & Ensemble festival
- Perform a director approved solo during class, at a scheduled performance, or at a special event
- Prepare and perform IMEA audition material for your director as well as audition for IMEA
- Perform in a director approved extra-curricular ensemble outside of school
- Perform in a small ensemble at Solo & Ensemble festival, in class, or at a scheduled concert
- Audition for and participate in an extracurricular school ensemble
- Attend a director approved collegiate or professional performance and write a critique.
- Write a research paper about one of the selections that you performed as a solo work or small ensemble
- Write a research paper about your instrument/voice
- Choose a famous artist that performs your part or instrument and write a report on them as well as critique some of their recordings

Prerequisites: One year of participation in a performing ensemble or teacher recommendation and audition
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6323, 2nd Semester - 6324
Grade Level: 10-12

Guitar 1
Guitar is for the beginning guitar student. Activities in this class will include, but are not be limited to: reading and notating guitar music, playing a wide variety of guitar literature, and developing critical listening skills.
Prerequisites: None
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6361 2nd Semester - 6362
Grade Level: 9-12

Guitar Ensemble
Guitar Ensemble is for the developing guitar student. Activities in this class will include, but are not limited to: reading and notating music, playing a wide variety of guitar literature, and developing critical listening skills. Students in this class will be expected to perform at two to four performances per semester. Some of these performances may be outside of the school day.
Prerequisites: Guitar or approval of instructor
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6376, 2nd Semester - 6377
Grade Level: 10-12

Piano 1
Piano 1 is for the beginning piano student. Activities in this class will include, but are not limited to: reading and notating music, playing a wide variety of piano literature, and developing critical listening skills.
Prerequisites: None
Semester: 2 **Credit:** 2
Course Code: 1st Semester - 6391, 2nd Semester - 6392
Grade Level: 9-12

Piano 2
Piano 2 is for the developing piano student. Activities in this class will include, but are not limited to: reading and notating music, playing a wide variety of piano literature, and developing critical listening skills.
Prerequisites: Piano 1 or permission of instructor
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6401, 2nd Semester - 6402
Grade Level: 10-12

Music Production
Music Productionis a career-focused course designed for students interested in all aspects of music and music production. This includes musical styles like Hip Hop, Rock, Pop, Jazz, and more. Student projects will include but are not be limited to composing music through a variety of mediums for the purposes of creating digital music, which can be used in music videos, video games/ movie soundtracks, promotional materials, etc. Students in this class will also develop skills for digital music making, sound recording, sound reinforcement, and basic music theory.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 6355
Grade Level: 9-12

Concert Band
The Concert Band is open to all Fenton students with a minimum of two years prior instrumental experience or director approval. Activities for this class will include, but are not be limited to: scales, chorales, tone production, challenging literature, critical listening, and music analysis. Students can expect to perform at all Fenton Band concerts and Pep Band games. Students in this ensemble will be expected to attend rehearsals and performances outside of the school day. Students in Concert Band may choose to be members of the marching band. Should they choose to be a member of the marching band, they will need to attend a band camp prior to the beginning of the year and attend rehearsals and performances outside of the school day. This class will be scheduled concurrently with a lunch period to provide flexibility to meet the various needs of combined class rehearsals. Students may take concert for accelerated credit (Grades 10-12 only).
Prerequisites: Selection based upon proficiency, audition, or teacher approval.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6331, 2nd Semester - 6332
Grade Level: 9-12

Symphonic Wind Ensemble
The Symphonic Wind Ensemble is the premiere instrumental ensemble at Fenton High School. Activities in this class will include, but are not be limited to: scales, chorales, advanced rehearsal techniques, tone production, critical listening, and music analysis. This ensemble rehearses and performs advanced band literature. Students can expect to perform at all Fenton Band concerts and Pep Band games. Students in Symphonic Wind Ensemble may choose to be members of the marching band. Should they choose to be a member of the marching band, they will need to attend a band camp prior to the beginning of the year and attend rehearsals outside of the school day. This class will be scheduled concurrently with a lunch period to provide flexibility to meet the various needs of combined class rehearsals. This class may also be taken for Accelerated credit (10-12 graders only).
Prerequisites: Selection base upon proficiency, audition, or teacher approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6341, 2nd Semester - 6342
Grade Level: 9-12

Accelerated Symphonic Wind Ensemble/Concert Band
Students may take Symphonic Wind Ensemble or Concert Band-for Accelerated credit. Students in Accelerated Symphonic Wind Ensemble/Concert Band must meet the regular course requirements as well as choose six of the following options:

- Receive private lessons on your instrument.
- Provide private lessons to underclassmen or younger band students.
- Perform a Solo at Solo & Ensemble festival.
- Perform a director approved solo during class, at a scheduled performance, or at a special event.
- Prepare and perform IMEA audition material for your director as well as audition for IMEA.
- Perform in a director approved extra- curricular ensemble outside of school.
- Perform in a small ensemble at Solo & Ensemble festival, in class, or at a scheduled con- cert.
- Audition for and participate in an extracurricular school ensemble.
- Attend a director approved collegiate or professional performance and write a critique.
- Write a research paper about one of the selections that you performed as a solo work or small ensemble.
- Write a research paper on your instrument.
- Choose a famous artist that performs your instrument and write a report on them as well as critique some of their recordings.
- Participate in Marching Band.

Prerequisites: One year of participation in a performing ensemble or teacher recommendation and audition
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 6355, 2nd Semester - 6356
Grade Level: 10-12

Advanced Placement Music Theory
AP Music Theory is a full year course that is equivalent to that of an entry level college course in music theory. This course is for students who wish to pursue an in-depth study of melody, harmony, texture, rhythm, form, musical analysis, composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-reading or sight- singing, and keyboard harmony are considered elements of the course, as is the acquisition of advanced music terminology. Enrollment in this course assumes at least a basic to intermediate skill level related to reading and writing musical notation as well as performance skills in either vocal or instrumental production. This class would prepare students for the AP Music Theory test in May.
Prerequisites: One semester of high school choir, band, guitar, piano, or teacher approval.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2115, 2nd Semester - 2116
Grade Level: 10-12

Arts & Communications Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0001
Grade Level: 11, 12

Performance Arts (Stage)

Theatre
This course is designed to increase a student's knowledge about all aspects of theatre: acting, makeup, costuming, scene design, publicity, theatre history, and play reading.
Students are required to attend current Fenton High School theatre productions.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 5135
Grade Level: 9 -12

Acting
This activity class teaches the fundamentals of acting: movement, improvisation, pantomime, and ensemble performance. Students will memorize and perform monologues and scenes. Since this is a performance class, student self-discipline is essential. Students are required to attend current Fenton High School theatre productions.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 5051
Grade Level: 9-12

Creative Writing
Creative Writing is an elective course for students who
wish to express themselves imaginatively in writing. Reading models and keeping a journal furnish sources of ideas for expression; students work with prose forms of description and narration and writing techniques such as the use of images, sensory details, and symbols. Students work independently on completion of plays, short stories, and poetry; therefore, student self-discipline is required. Students are encouraged to submit their work to a publication.
Prerequisites: English 2 or Accelerated English 2
Semesters: 1 **Credits:** 1
Course Code: 5105
Grade Level: 11,12

Arts & Communications Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0001
Grade Level: 11, 12

Visual Arts

2D Art 1 (Cartooning, Digital, Drawing, Painting) 2D Art 1 is for the emerging artist wanting to learn how to render details, draw from observation, create cartoon characters and paint naturally. Personalized experimentation of a subject matter is explored. Media variety includes pencil, charcoal, marker, oil pastels, acrylic paint and/or watercolor. Multiple themes and styles will be covered and students will leave this class speaking the language of art. Students will develop a portfolio to showcase their accomplishments and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy working in 2D Art 1 can continue on in 2D Art 2.
Prerequisites: None
Semester: 1 **Credit:** 1
Course Code: 2125
Grade Level: 9-12

2D Art 2 (Cartooning, Digital, Drawing, Painting) 2D Art 2 focuses on drawing, cartooning and painting from direct observation and from memory, rendering two dimensional images while reinforcing expressive color qualities within the art piece. A personal interpretation of portraits, cartoon characters, figure, landscape, design and still life are goals of this course. Media variety includes oil pastels, Prismacolor pencils, markers, charcoal, pastels, acrylic, oil paint and/or watercolors. This course focuses on developing an advanced sense of using color for expressive qualities while developing personal interpretation of a subject matter. Students will develop a portfolio to showcase their accomplishments and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy working in 2D can continue in AP 2D Art.
Prerequisites: Studio Art: 2-D Design 1, Painting 1, or Drawing 1, 2D Art 1 or teacher approval
Semester: 1 **Credit:** 1
Course Code: 2126
Grade Level: 9-12

AP 2D Art (Cartooning, Digital, Drawing, Painting)
This 2 semester course is the third level for Drawing, Painting, Cartooning and Digital Art. AP 2D Art is designed to prepare students with a professional portfolio used for entrance into a college art program. The course emphasizes independent thematic work in the artist's choice of two dimensional media. Students enrolled in this course submit their portfolio to the College Board instead of taking an Advanced Placement Exam. All students will prepare a personal artist's statement to be included with their portfolio presentation in the FHS AP Art Show. Students may take this course two times.
Prerequisites: 2D Art 1, 2D Art 2, Painting, Drawing, Cartooning or teacher approval
Semester: 2 **Credit:** 2
Course Code: 1st Semester 2129, 2nd Semester 2130
Grade Level: 10-12

Photo 1 (Digital Photo and Computer Art) Photo 1 offers students the opportunity to create digital photography and computer art. Students will master the foundations of the digital camera, composition, visual literacy, and the digital darkroom tools/techniques. Bridge cameras will be available for students to borrow. Students will develop a portfolio to showcase their accomplishments and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy Photo 1 can continue on in Photo 2.
Prerequisites: None
Semester: 1 **Credits:** 1
Course Code: 7755
Grade Level: 9-12

Photo 2 (Digital Photo and Computer Art)
Photo 2 builds upon Photo 1, taking students to an advanced level of creating photographic compositions and computer art. Students taking this class will master manual settings of their digital cameras and advanced tools/techniques of Photoshop. Fine art, advertising, and stop motion animation will be explored. Students will choose an area of concentration, develop a portfolio, and have the opportunity of entering the FHS Digital Art Fest. Bridge cameras will be available for students to borrow. Students who enjoy Photo 2 can continue on in AP 2D Art Photo.
Prerequisites: Photo 1, Digital Photo, or teacher approval
Semester: 1 **Credits:** 1
Course Code: 7737
Grade Level: 9-12

AP 2D Art Photo
This 2 semester course is the third level for Photo and is designed for students to learn critical decision making skills. This course will prepare students with a professional portfolio used for entrance into a college art program. The course emphasizes independent thematic work in the artist's choice of photography (digital and/or film), computer art, or mixed media. SLR cameras, along with 35mm film cameras, will be available to borrow. Traditional darkroom skills will be explored. Students enrolled in this course submit their portfolio to the College Board instead of taking an Advanced Placement Exam. All students will prepare a personal artist's statement to be included with their portfolio presentation in the FHS AP Art Show. Students may take this course two times.
Prerequisites: Photo 1 & Digital Photo, Photo 2 or teacher approval
Semester: 2 **Credits:** 2
Course Code: 1st Semester 2133, 2nd Semester 2134
Grade Level: 10-12

3DArt 1 (Ceramics, Jewelry, Sculpture)
3D Art 1 is for the emerging artist wanting to explore clay, metal, plaster, wire, wood, mosaics and/or mixed media as a means of artistic expression. Original fine and functional art will be designed, created, and evaluated by students. Students will develop a portfolio to showcase their accomplishments and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy 3D 1 can continue on in 3D 2.
Prerequisites: None
Semester: 1 **Credits:** 1
Course Code: 2127

Grade Level: 9-12

3D Art 2 (Ceramics, Jewelry, Sculpture)

3D Art 2 is for the artist who has mastered the fundamental techniques of 3D Art 1 (or the formerly offered Ceramics 1, Jewelry 1, or Sculpture 1). This course continues to build artists' expertise using three dimensional art as a means of expression. Students will have the choice of creating original works using media such as clay, the potter's wheel, enameling, metal, glass, plaster, wire, wood, mosaics and/or mixed media. Students will continue to develop their portfolio to showcase and have the opportunity of entering the FHS Digital Art Fest. Students who enjoy 3D 2 can continue on in AP 3D Art.

Prerequisites: 3D 1, Ceramics, Jewelry, Sculpture or teacher approval
Semester: 1 **Credits:** 1
Course Code: 2128
Grade Level: 9-12

AP 3D Art (Ceramics, Jewelry, Sculpture)

This 2 semester course is the third level for 3D Art and will prepare art students with a professional portfolio used for entrance into a college art program. The course emphasizes independent thematic work in the artist's choice of three dimensional media used in 3D Art 1 and 2. Students enrolled in this course submit their portfolio to the College Board instead of taking an Advanced Placement Exam. All students will prepare a personal artist's statement to be included with their portfolio presentation in the FHS AP Art Show.

Students may take this course multiple times.

Prerequisites: 3D 2, Ceramics 2, Jewelry 2, Sculpture 2 or teacher approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester 2133, 2nd Semester 2134
Grade Level: 10-12

Arts & Communications Internship

The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.

Prerequisite: An Introduction Course a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0001
Grade Level: 11, 12

COMPUTER & INFORMATION TECHNOLOGY

CS Discoveries

CS Discoveries is an introductory, classroom-based course appropriate for students with an emerging interest in computer science. The course aims to empower students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. CS Discoveries takes a wide lens on computer science by covering topics such as programming, physical computing, web development, design, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices.

Prerequisite: None
Semesters: 1 **Credit:** 1
Course Code: 5449
Grade Level: 9 - 12

Intro to Coding
This course will introduce students to computer science through programming. The course will begin with a brief introduction of how computers work and communicate, followed by several units covering an introduction to programming, including: sequence, selection, and iterative constructs, primitive data types, strings, lists, functions, and graphics. The programming language utilized in this class will be Python, which is currently one of the world's most popular programming languages. The duration of this course is one semester and runs first semester only.
Prerequisites: Completion of CS Discoveries or DL approval
Semesters: 1 **Credits:** 1
Course Code: 005447
Grade Level: 9-12

Advanced Coding
This course will be a direct extension from the first semester of Intro to Coding 1 and, thus, will continue where Intro to Coding 1 left off. Intro to Coding 2 will contain several units covering slightly more advanced programming techniques, including: functional programming, object-oriented programming, graphics, and API's. The programming language utilized in this class will be Python, which is currently one of the world's most popular programming languages. The duration of this course will be one semester.
Prerequisites: Completion of CS Discoveries or DL approval
Semesters: 1 **Credits:** 1
Course Code: 005448
Grade Level: 9-12

AP Computer Science Principles
AP Computer Science Principles is a full-year mathematics elective course offering a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Principles will give students the opportunity to use technology to address real- world problems and build relevant solutions Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. This course does not count towards the mathematics requirements for graduation. All 11th graders must be enrolled in a mathematics course concurrently with this course.
Prerequisites: Successful completion of Math 1 or with administrative approval.
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2073, 2nd Semester - 2074
Grade Level: 9-12

AP Computer Science A
AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. All 10th and 11th graders must be enrolled in a mathematics course concurrently with this course.
Prerequisites: Successful completion of Math 1 and Math 2 or with administrative approval
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 2079, 2nd Semester - 2080
Grade Level: 10-12

Computer Network and Maintenance
This advanced course is designed to provide students with the skills needed to install, setup, configure, test, troubleshoot, and maintain personal computers. Instruction includes the following: assembly, maintenance, installation, upgrade, and troubleshooting of various hardware components such as motherboards, hard drives, CD-ROMS, memory, power supplies, video cards, sound cards, and network cards. Students install and configure various desktop operating systems such as Windows, Apple, and Linux. The course includes adding and removing software programs, installing and updating system drivers, creating startup and recovery disk, and updating the BIOS and CMOS. Students learn to conduct preventive maintenance and perform system backups, data transfer, and recovery routines as well as use diagnostic utilities to troubleshoot hardware and software problems. Students also learn how to disassemble, clean, troubleshoot, and reassemble a variety of computer components. This course will also include aspects of networking including skills needed to set up, configure, test, troubleshoot, maintain, and administer a data network using various network operating systems such as Novell, Windows, and Linux.
Prerequisites: AP Computer Principles recommended
Semesters: 1 **Credits:** 1
Course Code: 7912
Grade Level: 10-12

Computer Science Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0008
Grade Levels: 11, 12

Information Technology Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0009
Grade Levels: 11, 12

FINANCE & BUSINESS SERVICES

Business Orientation
Business Orientation is an introduction course that examines different aspects of the business world. Students will form group businesses and will create and promote their own product line and brand, culminating in a "Shark Tank" pitch at the conclusion of the first semester. Topics of discussion include economics, owning and operating a business, production of goods and services, marketing and advertising products, and the management of financial documents and data. The second semester of the course focuses on consumer behavior and will help prepare students for life after high school.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 9002
Grade Levels: 9 - 12

Marketing & Management (Dual Credit)
This skills course in the Finance & Business Services program of study focuses on a wide range of business concepts within marketing and management fields. Students will learn management opportunities and effective human relations. They will perform planning, staffing, financing, and controlling functions within a business. They will also focus on a wide range of factors influencing the flow of goods and services from the producer to the consumer. Topics may include but are not limited to, market research, the purchasing process, sales promotions, entrepreneurship, and economics. Exploration in one or more of these areas may be provided: Sports Marketing, Social Media Marketing, International Business and Marketing, and Hospitality & Tourism Marketing. The course will also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.
Prerequisites: Business Orientation recommended
Semesters: 2 **Credits**: 2
College Credit: 3 Credit Hours from COD for MANAG 1100 w/ passing grade
Course Code: 007103 / 007104
Grade Levels: 10 - 12

Entrepreneurship (Virtual Enterprises International)
Entrepreneurship is a comprehensive business course offered to junior and senior business students. This exciting course will give students an opportunity to plan and operate a virtual business from the ground up. Students will work in various departments, including Accounting, Marketing & Design, Sales, Human Resources, and each virtual company will be led by a small group of students. The teacher in this class guides the students as they make all decisions relating to their business. Students will have the opportunity to travel to Tennessee for a trade show and will also have the opportunity to participate in regional business competitions. Students may take this course multiple times with instructor approval.
Prerequisites: Prerequisite: Business Orientation / Highly Recommended: Marketing Management, Investment Management, or Accounting
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 7093 2nd Semester - 7094
Grade Level: 10-12

Accounting Procedures
This advanced course explores the accounting cycles of service organizations and merchandisers focusing on the recording of business transactions and the preparation of financial statements for such organizations. Includes specific accounting concepts relating to current assets, long-term assets, current liabilities, payroll and the operations of corporations.
Prerequisites: Business Orientation recommended
Semesters: 1 **Credits**: 1
College Credit: 3 Credit Hours from COD for ACCOU 1110 w/ passing grade
Course Code: 007100
Grade Level: 10-12

Investment Management
This advanced course explores various investment vehicles utilized by the personal investor including stocks, bonds, real estate, mutual funds and insurance. Investment vehicle descriptions, values and economic complications are surveyed. Application of investment theory and risk analysis associated with investment decisions as it relates to building a hypothetical personal investment portfolio. In addition, students will learn a basic orientation about how businesses raise, distribute, and use financial resources while managing risk. Course content typically involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) typically undertaken by businesses. (3 lecture hours)
Prerequisites: Business Orientation recommended
Semesters: 1 **Credits**: 1
College Credit: 3 Credit Hours from COD for BUSIN 1120 w/ passing grade
Course Code: 007096
Grade Level: 10-12

AP Macroeconomics
This first semester course examines various methods in which society reacts to developments that occur in our economy and represents an introductory college-level Macroeconomics course. Economic issues that once plagued our economy, such as high unemployment rates, home foreclosures, and our $23 trillion national debt are a few of the many topics of discussion. Students will apply economic theory that is presented in class in an effort to provide solutions to various economic problems that can persist in any given country. Students will have an opportunity to earn college credit by taking an AP examination in the spring, and successful completion of this course will fulfill the Consumer Education graduation requirement.
NOTE: It is recommended that you have either taken Algebra 2 or are taking it concurrently with this course.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 1st Semester - 2098
Grade Level: 11, 12

AP Microeconomics
AP Microeconomics is a second semester course that examines how individuals (such as consumers and producers) make decisions and how these decisions affect our everyday lives. Topics discussed include the forces of supply and demand, costs of production, consumer choice, behavioral economics, and the role of government. Students who enroll in this course will have the opportunity to earn college credit by taking an AP examination in the spring**.**
NOTE: It is recommended that you have either taken Algebra 2 or are taking it concurrently with this course.
Prerequisites: AP Macroeconomics
Semesters: 1 **Credits**: 1
Course Code: 2nd Semester - 2097
Grade Level: 11, 12

Business, Management & Administration Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in this program of study is highly recommended (may be taken concurrently)
Semesters: 1 **Credits**: 1, 2, or 3
Course Code: WE0006
Grade Levels: 11, 12

Finance Cluster Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently)
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0007
Grade Levels: 11, 12

HEALTH SCIENCES & TECHNOLOGY

Health Care Occupations
This introductory course in the Health Sciences & Technology Program of Study provides an overview of the careers available in health care. Emphasis is on communication skills, job qualifications, educational requirements, and career opportunities for the numerous healthcare professions. Topics covered usually include, but are not limited to, an overview of health care delivery and patient care, including personal characteristics of health care professionals, medical ethics and laws, vital signs, and first aid and CPR procedures. Basic anatomy and physiology will be studied to provide a preliminary background for the terminology needed to proceed to future education and medical careers. Resources include speakers and field trips emphasizing health and medical careers.
Prerequisite: None
Semesters: 1 **Credits**: 1
Course Code: 002136
Grade Levels: 9-12

Foundations of Scientific Research
Foundations of Scientific Research is for students concurrently enrolled in a science course and will provide opportunities for developing literacy skills in the context of those courses and for extending learning in those course topics. By enrolling in the course, students will develop and be evaluated on skills in interpreting scientific literature and evaluating the quality of research studies in science and medicine as well as conducting their own research and experiments. Students will develop scientific vocabulary necessary for success in college level science courses. Students on a career pathway to- wards health and other science related fields will benefit from this course.
Students will learn to “Think like a scientist!”
Prerequisites: None
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2075, 2nd Semester -2076
Grade Level: 11,12

AP Chemistry
Advanced Placement Chemistry is designed to be the equivalent of a college introductory course usually taken by chemistry majors during their first year. AP Chemistry differs from a typical high school course with respect to the time and effort required outside of class as well as the laboratory work done by students. Course content will emphasize topics in inorganic chemistry, such as understanding trends in the periodic table and shapes of molecules and properties of molecules as well as thermodynamics and rates of chemical reactions, chemical equilibrium, acids and bases and electrochemistry. Students who earn a successful score on the Advanced Placement examination given in May, may earn college credit.
Prerequisites: Completion of coursework in two sciences one of which is Chemistry (earning a grade of A or B), and the completion of Math 2
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2081, 2nd Semester - 2082
Grade Level: 11,12

AP Physics 1
AP Physics 1 is designed to be an algebra-based introductory class equivalent to the first semester of a college physics course. The primary areas of focus for AP Physics 1 will be motion, forces, energy, momentum, waves, and an introduction into electrostatics and circuitry. Students will investigate topics through frequent inquiry based laboratory experiments. In mastering the content, students will be presented information through sever- al additional means that may include but are not limited to lectures, research projects, and home- work. The coursework will be rigorous and challenging. Those who put the time and effort into learning the materials will leave the classroom well prepared to succeed in their future physics endeavors. Students will have the option of taking the AP Physics 1 exam in May that may allow them to earn college credit.
Prerequisites: Completion of Chemistry and Math 3 with recommended enrollment in Pre-Calculus or higher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2095, 2nd Semester - 2096
Grade Level: 11,12

AP Physics 2
AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, waves, and probability.
Prerequisites: Physics or AP Physics 1
Semesters: 2 **Credits**: 2
Course Code: 002109 / 002110
Grade Level: 11,12

AP Environmental Science
The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Students enrolled in this course will be preparing to take the AP exam in May. Students who earn a successful score on this test may receive college credit in one of the many participating colleges throughout the country.
Prerequisites: Completion of 2 science courses and a grade of B or better in Math 2 or higher.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2085, 2nd Semester - 2086
Grade Level: 11,12

AP Biology
Advanced Placement Biology is designed to be the equivalent of a college introductory course, usually taken by biology majors during their first year. Be- cause of the rigor of this course, it is expected that students will possess a high level of motivation and a sound knowledge of chemistry. Students should expect to spend approximately 4 hours per week outside of class working on reading guides, free- response questions, lab reports, projects, and video notes. There is a summer assignment to review basic chemistry concepts and refresh math and graphing skills that will be due the first week of school. Topics studied in this course include bio-chemistry, ecology, cell biology, metabolism, photosynthesis, cell respiration, Mendelian & molecular genetics, biotechnology, evolution, and homeostasis. Students in AP Biology will prepare to take the AP Exam given in May. Students may earn college credit if they earn a passing score on the AP Exam. A or B grade in Chemistry recommended.
Prerequisites: Chemistry
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2083, 2nd Semester - 2084
Grade Level: 11,12

Health Science Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0010
Grade Levels: 11, 12

HUMAN & PUBLIC SERVICES

Culinary Arts

Culinary 1
This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition. Course content encompass': food service and preparation management using the decision- making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/ serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 7320
Grade Levels: 9-12

Culinary 2
Nutrition and Culinary Arts 2 provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following; selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & International cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.
Prerequisites: Culinary 1
Semesters: 2 **Credits**: 2
Course Code: 1st Semester- 7321, 2nd Semester - 7322
Grade Levels: 10-12

Human Services Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code:
Grade Levels: 11, 12

Education and Training

Child Development & Parenting
What's it like to be a parent? Child Development and Parenting gives you the opportunity to find out! Students will explore topics focusing on child growth and care from conception through childhood with emphasis on the techniques and skills necessary to promote healthy physical, social, emotional, intellectual, and moral development. Proper care of children, safety, health, play, and discipline are some topics included. Anticipated hand-on experience working with young children. Students may participate in the Baby Think It Over program, an infant simulation project
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 7509
Grade Levels: 9-12

Early Childhood & Elementary Education
Early Childhood & Elementary Education prepares students to guide the development of young children in an educational setting through instruction. Students will have various hands-on experiences and opportunities working with children at a local elementary school. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. A minimum of 10 hours of field experience provided during class at the elementary or middle school. In addition, students will research the requirements of early childhood education careers and will also have the opportunity to receive their Illinois Gateways Early Childhood Education Certification.
Prerequisites: Child Development and Parenting
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 7511 2nd Semester - 7512
Grade Levels: 10-12

Introduction to Education (Dual Credit)
This advanced course will provide students with an introduction to teaching as a profession in the American education system, offering a variety of perspectives on education, including historical, philosophical, social, legal, and ethical issues in a diverse society. The course includes organizational structure and school governance. Up to 60 hours of field experience provided during class at the elementary or middle school.
Prerequisites: Child Development & Parenting
Semesters: 1 (2 periods) Credit: 2
College Credit: 3 Credit Hours from COD for EDUCA 1100 w/ passing grade
Course Code: 008121
Grade Level: 10-12

Education & Training Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: Introduction to Education (Dual Credit) required or Division Leader approval.
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0014
Grade Levels: 11, 12

Law, Public Safety, Government & Public Administration

AP United States Government and Politics
AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.
Prerequisites: 2 Years of Social Studies
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 5528, 2nd Semester - 5529
Grade Level: 11-12

Military History
Military History is a one semester Social Studies elective focused on the central theme of armed conflict. Students will explore the development of warfare on land, sea and air, weapons and technology, strategy and defense, discipline and intelligence, mercenaries and standing armies, guerrilla assault and nuclear arsenals. Understanding the importance and the role of the military in the formation of individual states and societies will be addressed. Emphasis will be placed on the socio- economic impact of military progress and the moral questions raised by armed conflict.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 5527
Grade Level: 11-12

Criminal Justice
Criminal Justice focuses on the legal system of the United States from the mid-Twentieth Century to the present. This course is designed to meet the needs of students wishing to be exposed to the criminal justice system, wanting to explore a possible career in criminal justice, and who are interested in taking an in depth look at the American legal system. The course will acquaint students with legal terms, trial procedures and laws that relate to young adults. Major subject areas include the police, criminal cases, correction and juvenile justice. Landmark court cases will be used to establish precedent and encourage discussion. Written work and discussion participation will play a significant role in the course.
Prerequisites: None
Semester: 1 **Credits**: 1
Course Code: 5526
Grade Level: 11-12

AP Psychology
Advanced Placement Psychology is designed to prepare students for the AP Psychology exam, which covers an introduction to the scientific and systematic study of behavior. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. Students will also learn about the methodology utilized by psychologists in their practice including the research methods and the APA writing format. In this way, students will continue to develop their critical thinking as well as their reading and writing skills to help them succeed in college. The class will build on the foundations laid during the second semester of Introduction to the Social Sciences.
Prerequisites: Junior or senior standing and recommendation from one social studies teacher, 2 years of social studies.
Semesters: 2 **Credits**: 2
Course Code: 1st Semester - 2105, 2nd Semester - 2106
Grade Level: 11-12

Law, Public Safety, Corrections & Security Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0012
Grade Levels: 11, 12

Government & Public Administration Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0011
Grade Levels: 11, 12

Nutrition & Wellness

Health
The Health Education course is one semester of freshman year, and runs in the opposite semester of a Physiology of Exercise 9 course. Topics of instruction are: health skills, mental and emotional health, family and social health, growth and development, communicable and chronic diseases, nutrition, alcohol, tobacco and other drugs, and consumer and community health. Some specific topics covered include: CPR and AED use, violence prevention and conflict resolution, internet safety, danger and avoidance of abduction, sexual abuse (Erin's Law), and anabolic steroid abuse prevention.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 8025
Grade Level: 9

Physiology of Exercise 9 (Freshman)
Physiology of Exercise 9 offers a variety of activities designed to develop an understanding of the effect exercise has on the body. In addition, these activities will enhance strength, flexibility, and cardiovascular endurance. The topics and activities include an introduction to physiology of exercise, soccer, tennis, weight training, fitness, track and field, and anabolic steroid abuse prevention. This course is required for all 9th grade students, and is taken in the opposite semester of Health.
Prerequisite: None
Semesters: 1 **Credits:** 1
Course Code: 8101
Grade Level: 9

Culinary 1
This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition. Course content encompass': food service and preparation management using the decision- making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/ serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.
Prerequisites: None
Semesters: 1 **Credits**: 1
Course Code: 7320
Grade Levels: 9-12

Fitness and Nutrition
Fitness and Nutrition is a course that combines fitness activities and a food lab experience. Fitness and Nutrition emphasizes a healthy lifestyle with a variety of specific course topics and activities, and developing and preparing tasty, healthy foods. Students will be exposed to sport as well as fitness activities through circuit training, weight training, cardiovascular endurance training, and discussions regarding anabolic steroid abuse prevention. Students will earn a Physical Education credit for this course, and the course is offered as a semester or year-long, and may be repeated.
Prerequisite: Physiology of Exercise 9
Semesters: 1 or 2 **Credits:** 1 or 2
Course Code: 1st Semester - 8073, 2nd Semester-807474
Grade Level: 11, 12

Strength and Conditioning
The Strength and Conditioning class offers students an opportunity to gain knowledge, skills and techniques, while developing a workout program. Topics of discussion include: anatomical adaptation, hypertrophy, maximum strength, transition phase, muscle breakdown and recovery, nutrition and muscle growth, the proper use of nutritional supplements, and anabolic steroid abuse prevention. Students will also be taught muscle anatomy, principles and theories of muscle hypertrophy and weight lifting, and avoiding and dealing with muscle soreness. As students participate in this course they will actively use weight lifting equipment and will be taught proper usage and safety procedures used in weight training.
Prerequisite: Physiology of Exercise 9
Semesters: 1 or 2 **Credits:** 1 or 2
Course Code: 1st Semester - 8071, 2nd Semester - 8072
Grade Level: 10-12

Food Preparations & Health Management
This course provides students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing process and prepared food and prepacked/prepared meals from one's diet. This course not only builds on the basic skills of food preparation but also ad- dresses financial consideration and recipe conversion to make foods healthier. This course places emphasis on a balanced diet, covering current is- sues such as organic foods.
Prerequisites: Culinary 1
Semesters: 1 **Credits**: 1
Course Code: 7318
Grade Levels: 11, 12

Human Services Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0015
Grade Levels: 11, 12

MANUFACTURING, ENGINEERING, TECHNOLOGY & TRADES (METT)

Building and Construction Trades

Woods
Woodworking is a very useful skillset for either future employment or as a hobby. Students will learn how to choose the right materials, tools, and procedures for a job. Emphasis is placed on safety, design, planning, and organization. Career awareness in fields like drafting, design, furniture, production, construction, carpentry, and cabinet making will also be covered. By the end of the course, students will have built and finished a fully functional piece of furniture.
Prerequisite: None
Semesters: 1 **Credits:** 1
Course Code: 1st Semester - 9902
Grade Level: 9-12

Advanced Woods
Advanced Woods is a continuation of Woods and for the individual who has an interest in wood-working. This class is for the student who wants to refine skills in wood product fabrication. Students will learn the newest technology used in these occupations. Consumer knowledge, home maintenance, career awareness, and technologies related to the wood product fabrication industries will be explored.
Prerequisite: Woods
Semesters: 2 **Credits:** 2
Course Code: 1st Semester - 9903 2nd Semester - 9904
Grade Level: 10-12

Construction Trades 1
This skills course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods and develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognizing standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, and national codes, cost estimating, and blueprint reading.
Prerequisites: Woods Recommended, but not required
Semesters: 1 **Credit:** 1
Course Code: 7800
Grade Level: 10-12

Architecture & Construction Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0003
Grade Level: 11, 12

Automotive

Small Engines
Small Engines is a gateway course into the Auto- motives pathway where students take a "hands on" approach to learning four-stroke engines. In this course, students work in a collaborative setting to learn about engine assembly, torque, troubleshooting, and precision measurement. Students work on horizontal shaft engines, mowers, snow blowers, trimmers, and almost anything they can dream of with a small gasoline engine. These skills lead to hands-on applications where students apply learned skills to diagnostics, tune- ups, and repairs on all makes and models.
Prerequisites: None
Semesters: 1 **Credits:** 1
Course Code: 1st Semester - 7844
Grade Level: 9-12

Automotive Technology 1 (Dual Credit)
Students will work on automobiles. Students will learn how to add new sound systems, new brakes, do body work, and perform general repair to cars. Students will do general auto maintenance, up- grades and repairs to automobiles including their own cars. Consumer tips and careers are also covered in this class.
Prerequisites: Small Engines
Semesters: 2 **Credits:** 2
College Credit: 3 Credit Hours from COD for AUTO 1040 w/ passing grade
Course Code: 1st Semester - 7851, 2nd Semester - 7852
Grade Level: 10-12

Automotive Technology 2
The Automotive Technology program is designed to provide students with the necessary skills, knowledge, and abilities for entry-level employment in the automotive service industry. Autos 2 will build upon the knowledge gained in Autos 1, with an expanded focus on diagnostics and troubleshooting. Autos 2 will provide the student with skills in engine tune-up, brake system service, suspension service, lubrication service, and parts management. In addition, students will also learn job search skills, automotive business ethics, appropriate communication skills for the marketplace, and job retention skills including attendance, punctuality, and proper work attire.
Prerequisites: Auto Technology 1
Semester: 2 **Credits:** 2
Course Code: 1st Semester - 7863, 2nd Semester - 7864
Grade Level: 11, 12

Automotive Technician Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0004
Grade Levels: 11, 12

Engineering / Manufacturing

Introduction to Engineering Design & Robotics
This introductory course offers students experience in solving problems by applying a design development process. Students will use solid modeling computer design software to develop, analyze, and test solutions. Students will design models and prototypes and communicate those features. Issues related to professional practice and product development are also presented. This course will develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical controls, pneumatics, computer basics, and programmable logic controllers.
Prerequisites: None
Semesters: 1 Credit: 1
Course Code: 7700
Grade Level: 9-12

Principles of Engineering Design & Robotics (PLTW-Project Lead the Way)
The second course in the Project Lead the Way sequence, Principles of Engineering Design is a survey course that exposes students to major concepts they will encounter in a postsecondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem- solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.
Prerequisites: Introduction to Engineering Design & Robotics Recommended
Semester: 2 **Credit:** 2
Course Code: 1st Semester - 7719, 2nd Semester - 7720
Grade Level: 10-12

Engineering Design
This advanced course presents engineering scope, content, and professional practice through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and create innovative designs. Students research, develop, test, and analyze engineering designs using design effectiveness, public safety, human factors, and ethics criteria. This course is the capstone experience for students interested in Technology, Innovation, Design, and Engineering. The second semester of this course is optional and will engage students in a long-term engineering project with an outside company.
Prerequisites: Coursework in Engineering recommended, but not required
Semesters: 2 **Credits:** 2
Course Code: 007725 / 007726
Grade Level: 10-12

Manufacturing Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisite: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0002
Grade Level: 11, 12

Science, Technology, Engineering & Mathematics Internship
The Internship program provides students with an opportunity for hands-on career exploration in the career of their choice. Students will spend 60 hours or more during the semester at a local business or organization in a career setting they are interested in learning more about. Depending on their career choice and availability of positions, students will participate four days a week from either 8:00 am to 10:00 am (or longer) or from 1:30 pm to 3:15 pm (or longer) given student availability. Students will observe daily operations, converse with staff, and contribute to the activities of a local business or organization. Students will learn professional competencies, develop a resume, and may earn a career certification during weekly in-class instruction. Transportation to and from the internship site is the students' responsibility but may be provided by the school if necessary.
Prerequisites: An Introduction Course in a related program of study is highly recommended (may be taken concurrently).
Semesters: 1 (two periods) **Credits**: 2
Course Code: WE0005
Grade Levels: 11, 12

Lab Aide
The student will assist the teacher in the lab by helping other students learn the proper use of equipment and procedures. He/she may choose to work in the area of Applied Technology, Fine Arts, Culinary, or other CTE (Career Technical Education) areas. Through assisting other students, lab assistants will enhance their interpersonal mentoring skills. A student seeking credits as a Lab Assistant must submit a completed lab contract and have approval from the Division Leaders of the appropriate department.
Prerequisite: All courses offered by the department in the area in which the student will assist. Division Leader Approval
Semesters: 1 or 2 **Credits:** 1 or 2
Course Code: Various
Grade Level: 11, 12

TECHNOLOGY CENTER OF DUPAGE (TCD)

The Technology Center of DuPage (TCD) is a joint effort of Fenton High School, District #100 and seven other neighboring high school districts. The center is designed to offer elective career education programs not available at Fenton High School. The primary purpose of the TCD is to offer training which can provide students certified employability in a broad range of careers. Enrollment at the TCD is available to students during their junior and senior years. Success at the TCD is directly related to regular attendance. As a result, sophomores wishing to enroll in the TCD must have earned 16 credits at Fenton by the time of registration. Juniors wishing to enroll at the TCD must have 26 credits at the time of registration and a good attendance record. In addition, a student's attendance and disciplinary records will be carefully reviewed in order to determine acceptance into TCD. In addition to the credit requirement, the student who desires to enroll in a particular course at the TCD should have taken certain prerequisites at Fenton High School in preparation for the chosen TCD course.

Listed below are the courses offered at TCD. Some TCD courses may have associated fees.

- Auto Body Repair and Refinishing
- Automotive Technology
- Computer Information Systems & Game Design
- Construction Trades
- Cosmetology
- Criminal Justice
- Early Childhood Education and Care
- Emergency Medical Technician
- Fire Science
- Heating, Ventilation, AC & Refrigeration / Residential Wiring
- Manufacturing, CNC & Machining Technology
- Medical Assisting
- Medical Terminology and Healthcare Careers
- Multimedia and Television Production
- Nursing Assistant Training Program
- Professional Cooking, Baking & Service (ProCBS)
- Robotics & Automation Technology
- Welding Technology

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