

Caledonia High School | Curriculum Guide

School Information

Greeting

Caledonia High School's Curriculum Guide is designed to help families craft a plan of action for their time at CHS, that will best prepare students for LIFE. Career and educational goals should be considered, as should learning styles.

Counselors will work with students throughout their four years to ensure that their plans meet CTE graduation requirements and align with their post-secondary plan.

Counselor Assignments

- Anya Faber (A-E)
- Andrea Hilaski (F-Le)
- Stephanie Kramer (Lf-R)
- Kurtis Hoffman (S-Z)

➤ [Jump to Course Descriptions](#)

Graduation Requirements

Graduation Requirements

Graduation requirements are aligned with the Michigan Merit Curriculum and are designed to adequately prepare students for the Scholastic Aptitude Test (SAT) and Michigan Student Test of Educational Process (M-STEP).

➤ [Link to Graduation Requirements](#)

Personal Curriculum (PC)

A Personal Curriculum is a documented process that modifies certain requirements of the Michigan Merit Curriculum (MMC). Personal Curriculums must be requested on an individual basis, and meet certain conditions, before they will be approved.

Testing Out

Per Michigan Legislation, students at CHS are allowed to 'test out' of any course. Tests are administered on published dates twice each year. Students must request to test out by the deadlines noted.

➤ [Testing Out](#)

NCAA & NAIA Eligibility

College-bound student-athletes preparing to enroll in a Division I, Division II or NAIA school need to register with the NCAA or NAIA Eligibility Center to ensure they have met amateurism standards and are academically prepared for college coursework.

➤ [Link to College Athletics](#)

Schedule Change Policy

Schedule change requests should be made by emailing counselors and will only be completed if the student:

1. Has a duplicate class in the same semester
2. Has not met the prerequisites of a class
3. Needs a class for graduation
4. Has an open spot in their schedule

First semester schedule changes may only occur up to the **third day** of the semester.

Second semester schedule changes must be made by the **first day** of the second semester.

College Credit

Advanced Placement (A.P.)

Caledonia High School offers 18 Advanced Placement (A.P.) courses onsite. These classes are designed to give students the experience of an intro-level college class, while they are still in high school. The courses prepare students to take the advanced placement exams in May. Students who pass those exams with qualifying scores, can earn credit at many colleges and universities.

➤ [Link to AP Testing](#)

Articulation Agreements

Articulation Agreements provide high school students with an opportunity to earn college credit for work completed in their high school or tech center CTE programs. CHS has Articulation Agreements with Davenport, GRCC and MSU (Agri-Bio & Natural Resources). Students attending KCTC can also receive articulation credits at Baker College and Ferris State University.

➤ [Link to Articulation](#)

CLEP Exams

The College-Level Examination Program (CLEP) allows students to demonstrate their mastery of introductory college-level material and earn college credit, by getting qualifying scores. Essentially, they have the opportunity to test out of 32 college courses.

➤ [Link to CLEP](#)

Dual Enrollment

Qualifying students are able to take college courses, and earn college credit, while still in high school.

➤ [Link to Dual Enrollment](#)

Kent Career Technical Center (KCTC)

Students have the ability to request enrollment in one of 29 courses at Kent Career Technical Center (KCTC) during their 11th and/or 12th grade year. The courses focus on hands-on learning and interaction with industry professionals in a variety of fields. Articulation and direct college credit is available.

➤ [Link to KCTC](#)

Launch U Early Middle College

Launch U is an Early Middle College Program that provides students the opportunity to earn a college degree for FREE! Launch U students take high school classes for half of the day, and college classes for the other half, during their 10th, 11th and 12th grade years. They then add a 13th year of schooling, when they would attend college full time on GRCC's campus.

➤ [Link to Launch U](#)

Other Learning Options

Independent Study

Independent Study allows a student to learn about a subject that aligns with their academic goals, that is not offered as a course at CHS. Students work independently with faculty members to develop a plan for assessment and learning.

➤ [Link to General Independent Study Application](#)

➤ [Link to Agriculture Independent Study Application](#)

Online Courses

Students have the opportunity to take up to 2 courses per semester online, through Michigan Virtual. Attendance is required for this class, but students work independently and manage their own progress. Candidates for online learning are self-motivated and have good time-management skills.

➤ [Link to Michigan Virtual Course Catalog](#)

Virtual Learning Program (VLP)

Participation in the Virtual Learning Program (VLP) is reserved for students with unique circumstances which require them to complete learning off campus using the Michigan Virtual or Apex online learning platforms. Students participate in an asynchronous model of learning, which means there is no live daily instruction. Students are required to attend in person at CHS twice per week to meet with learning coaches and complete assessments. Participation requires approval from CHS Administration and students must demonstrate the ability to be successful in an independent virtual learning environment.

➤ [Link to Virtual Learning Program](#)

Summer School

Summer school is offered at MySchool@Kent. Additional details can be found on their website below.

➤ [Link to MySchool@Kent Summer School](#) (Advancement)

4 Year Plan

9TH GRADE

English IA	English IB
Algebra IA or Geometry A or Algebra II A	Algebra IB or Geometry B or Algebra II B
Biology A or Agri-Biology A	Biology B or Agri-Biology B
World History A or AP World History A	World History B or AP World History B
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>

10TH GRADE

English IIA	English IIB
Geometry A or Geometry Essentials A or Algebra II A	Geometry B or Geometry Essentials B or Algebra II B
Chemistry A	Chemistry B or Physical Science A
U.S. History A or AP U.S. History A	U.S. History B or AP U.S. History B
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>

<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>
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11TH GRADE

Journalism <i>or</i> Creative Nonfiction Lit <i>or</i> AP English Lang A	Performative Lit <i>or</i> World Lit <i>or</i> AP English Lang B
Algebra II A <i>or</i> Algebra II Essentials A	Algebra II B <i>or</i> Algebra II Essentials B
Any 3rd Science <i>or</i> KCTC	Any 3rd Science <i>or</i> KCTC
Government <i>or</i> AP Government A	<i>Elective</i> <i>or</i> AP Government B
Economics <i>or</i> AP Microecon <i>or</i> AP Macroecon	<i>Elective/Other Requirement</i>
<i>Elective/Other Requirement in</i>	<i>Elective/Other Requirement</i>

12TH GRADE

Creative Writing <i>or</i> Contemporary Lit <i>or</i> AP Eng Lit A	Practical Comm. <i>or</i> Research Writing <i>or</i> AP Eng Lit B
Math Elective *Min 1/2 CR of 4 req'd math credits	<i>Elective/Other Requirement (Math Elective if short 4 CR)</i>
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>
<i>Elective/Other Requirement</i>	<i>Elective/Other Requirement</i>

Other Required Courses that must be included in the plan

Health - 1 semester (9th & 10th grade preferred)

P.E. - 1 semester (*or* 4 years of marching band)

Visual, Fine or Applied Arts (VPAA) - 2 semesters

World Language - 2 semesters (*of the same language*)

Choose:

VPAA - 2 *additional* semesters -OR- **World Language** - 2 *additional* semester (*of the same language*)

Course Offerings

Business/Computers

- Business Law
- Introduction to Business
- Personal Finance
- Career Connections & Networking

Business CTE Courses

- Accounting A
- Accounting B
- Accounting C
- Marketing: Advertising & Promotion
- Marketing: Branding & Consumer Behavior

Fine Arts Department/Applied Tech

- Wood Fabrication A ☀
- Wood Fabrication B ☀
- Advanced Woodworking ☀
- Applied Mechanics/Pre-Engr ☀
- Technical Drafting ☀
- Residential Arch Design ☀
- Engineering Design 1 ☀
- Engineering Design 2 ☀
- Engineering Design 3 ☀
- Metalworking & Machining
- Coding

• Sports & Entertainment Marketing • Leadership Essentials • Web Design A/B	• Robotics ☼ • TV Production • Broadcast Journalism
<u>English Department</u> • English I A/B ☉ • English II A/B ☉ • Contemporary Literature • Creative NonFiction Literature • Performative Literature • World Literature ☉ • Creative Writing ☉ • Practical Communications • Journalism • Research Writing • A.P. Language & Composition ☉ • A.P. Literature & Composition ☉ • A.P. Seminar☉ • ESL English • ESL Academic Support • Debate	<u>Fine Arts Department/Visual Art</u> • Open Studio Art • Drawing and Painting • Digital Art and Photography • A.P. 2D Art and Design • Yearbook • Theatre Arts
<u>Math Department</u> • Algebra I ☉☼ • Geometry Essentials ☉☼ • Geometry ☉☼ • Algebra II Essentials ☼ • Algebra II ☉☼ • Statistics ☉☼ • A.P. Statistics ☼ • A.P. Precalculus ☉☼ • A.P. Calculus AB ☉☼ • A.P. Calculus BC ☉☼ • A.P. Computer Science Principles ☼ • Mathematics of Games • SAT Math	<u>Fine Arts Department/Music</u> • Symphony Orchestra • Concert Orchestra • Freshman Orchestra • Treble Chorus • Tenor/Bass Ensemble • Choralaires • Advanced Treble Chorus • Bella Voce • Concert Band • Marching Band • Freshmen Band • Symphonic Band • Wind Ensemble • Jazz Band
<u>Science Department</u> • Biology ☉☼ • Chemistry ☉☼ • Physics ☉☼ • Physical Science ☉☼ • A.P. Biology ☉☼ • A.P. Chemistry ☉☼ • A.P. Physics 1 ☉☼ • A.P. Physics 2 ☉☼ • A.P. Physics C ☉☼ • Environmental Science ☉☼	<u>World Language Department</u> • German 1 ☉ • German 2 ☉ • German 3 ☉ • German 4 ☉ • Spanish 1 ☉ • Spanish 2 ☉ • Spanish 3 ☉ • Spanish 4 ☉

• Geology & Astronomy ☉☼ • Human Anatomy & Physiology I & II ☉☼ • Microbiology ☉☼ • Forensic Science • Exercise Science <u>Agriscience CTE Courses</u> • Agri Biology (A&B) ☉☼ • Food Science 101, 102 & 103 ☼ • Plant & Animal Science 103 ☼ • Plant & Animal Science 104 ☉☼ • Agri Independent Study 104 ☼	<u>Health/Physical Ed Department</u> • Health • Phys Ed Sem 1 & 2 • Speed & Strength • Lifetime Fitness • Competitive & Lifetime Sports Sem 1 & 2 • Sports Medicine 1 • Sports Medicine 2
<u>Social Studies Department</u> • World History ☉ • U.S. History ☉ • A.P. U.S. History • A.P. World History ☉ • Government ☉ • Economics • A.P. U.S. Government & Politics ☉ • A.P. Microeconomics • A.P. Macroeconomics • America At War • Sociology A/B • Ethnic Studies ☉ • Global Issues ☉ • Psychology ☉ • A.P. Psychology • Mock Trial I: Foundations of Law • Mock Trial 2: Competition Class	<u>Special Education Department</u> • Encore 9 • Encore 10 • Encore 11/12 • Transition Based Instruction • Functional Academics <u>General Electives:</u> • Leadership/Student Council • LINKS • Dual Enrollment • Independent Study • Online Learning • Compass 9, 10, 11, or 12 • Instructional Practices • Launch U • Kent Career Tech Center
<u>Department Course Flowcharts</u>	

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BUSINESS DEPARTMENT

Business Law - BUS145

Grades 10, 11, 12 / .5 credit

This class will explore the foundations of business law, while introducing personal law topics that interest students. Students will have the opportunity to analyze real world examples of legal topics and use discussions to come to conclusions. Coverage includes contracts, criminal and civil law, consumer protection, wills/estates, property law, unions, commercial paper, and credit obligations.

Articulation: Completion of class with an 80% or better will earn 3 articulation credits to Davenport University.

Personal Finance - BUS134

Grades 11, 12 / .5 credit

The personal finance elective is a premier curriculum for learning about money management. Its goal is to equip students with the skills and knowledge needed to make sound financial decisions for life. Dave Ramsey's Foundations in Personal Finance is designed to meet the individual needs of students' learning styles by offering a variety of interaction and activities for a positive learning experience. Topics are packaged in an entertaining CD ROM format that includes a Student Workbook and instructor guided activities in the following areas of study: Savings and Investing; Credit & Debt; Financial Responsibility and Money Management; Insurance/Risk Management and Income/Careers.

Technology / Software Used: CD ROM, Internet, Microsoft Office

CTE BUSINESS COURSES

CTE courses are classes that combine academic and technical skills along with knowledge needed to succeed in today's labor market. CTE courses give students opportunities by introducing them to workplace competencies in a real-world, applied context. Most CTE courses have articulation credit options with GRCC and Davenport as well.

Accounting A - BUS131A

Grades 11,12 / .5 credit

Prerequisite: None

Accounting A provides an opportunity for students to learn basic introductory accounting skills. Students will have the opportunity to run through the accounting cycle of a proprietorship by using workbooks (manual accounting) and current accounting software. Objectives also included in the course are personal finance, identity theft, banking and budgeting.

Taking accounting during a student's senior year may count towards their 4th year math credit.

Accounting B - BUS131B

Grades 11,12 / .5 credit

Prerequisite: Accounting A

Accounting B provides an opportunity for students to learn advanced accounting skills both manually and on current accounting software. Students will focus on corporate operations. Topics include double-entry accounting, preparation of basic financial statements, the recording of business transactions, keeping records for sole proprietorships and partnerships, personal finance, asset depreciation, managing uncollectible accounts, inventory, and accruals.

Taking accounting during a student's senior year may count towards their 4th year math credit.

Articulation: Successful completion of Accounting A and B will earn two articulation credits to Grand Rapids Community College or Davenport University. The student must enroll in GRCC or Davenport and successfully complete 6 credits before articulation is granted.

Accounting C - BUS131C

Grades 12 / .5 credit

Prerequisite: Accounting A & B

Continuance of Accounting A/B, Accounting C will allow students the opportunity to further enhance their accounting skills. Students will cover topics that include uncollectible accounts, depreciation of assets, inventory, accrued expenses and revenue, and recording Internet and International sales. Students will also complete computerized simulations of a business on current accounting software.

Career Connections & Networking - BUS120

Grades 10, 11, 12 / .5 credit

Gain firsthand knowledge of the wide range of career opportunities available to you. Engage in meaningful sessions

where you'll hear from experienced guest speakers across various fields, providing you with insights and advice that can help guide your professional journey. Connect and network directly with professionals, allowing you to build relationships and gain mentorship opportunities that can benefit you far beyond your time in high school. By actively analyzing and reflecting on different paths, you'll be equipped to make informed choices about your future professional direction with resources to help you along the way. This course is additionally a CTE course, that offers work based learning opportunities through DECA, safety training, and articulation opportunities.

Introduction to Business - BUS139

Grades 9, 10, 11, 12 / .5 credit

This course is designed to introduce the student to business activities such as business principles, problems, practices and potential careers related to the American business industry. This course includes topics such as how businesses are organized, production, marketing, government regulation, entrepreneurship and other issues. In addition, students are required to complete a project, in which they create a small business partnership.

Articulation: Class may earn articulation credit at area colleges or community colleges if taken in grades 11 & 12.

Marketing: Advertising & Promotion - BUS122

Grades 10, 11, 12 / .5 credit per semester

The course is designed to cover three primary goals (1) introduce and learn aspects of the psychology of how marketing uses advertising and promotion to influence customers perceptions and increase sales, as well as learn the foundations of marketing and communication strategies (2) develop career development related to employability through resume development, interview skills, job search strategies, and (3) practice and increase problem solving and critical thinking skills that can be used throughout your future career. This course is additionally a CTE course, that offers work based learning opportunities through DECA, safety training, and articulation opportunities.

Articulation: Class may earn articulation credit as Intro to Marketing or Intro to Business at Davenport University if taken in 11th & 12th grades only and a minimum 80% grade is earned.

Marketing: Branding & Consumer Behavior - BUS123

Grades 10, 11, 12 / .5 credit per semester

The course is designed to cover three primary goals (1) introduce and learn aspects of the psychology of how marketing is used in the development of brands, influencing consumers buying behavior, the strategic planning process to make marketing a cohesive process, impact of pricing, and how market research is gathered to make informed decisions (2) develop career development related to employability through interview strategies, professional dress, networking for career opportunities and (3) practice and increase problem solving and critical thinking skills that can be used throughout your future career. This course is additionally a CTE course, that offers work based learning opportunities through DECA, safety training, and articulation opportunities.

Articulation: Class may earn articulation credit as Intro to Marketing or Intro to Business at Davenport University if taken in 11th & 12th grades only and a minimum 80% grade is earned.

Leadership Essentials - BUS124

Grades 9, 10, 11, 12 / .5 credit

Leadership Essentials is a course designed to help students develop and enhance the skills, mindset, and confidence needed to lead in today's world. Through hands-on projects, real-life case studies, and interactive discussions, students will explore key aspects of effective leadership, including communication, teamwork, problem-solving, mental training and ethical decision-making. This course encourages students to develop a growth mindset, embrace responsibility, and learn to and gain practice in inspiring and influencing others. By reflecting on their strengths and values, students will build a personalized leadership style and gain practical tools to become leaders in their communities, schools, and future careers. Ideal for students interested in making a meaningful impact. This course is additionally a CTE course, that offers work

based learning opportunities through DECA, safety training, and articulation opportunities.

Sports & Entertainment Marketing - BUS142

Grades 9, 10, 11, 12 / .5 credit

This course is for students who would like to specialize in the career fields of Sports or Entertainment Marketing. In addition to a marketing overview, this course is designed to provide students with competencies in the areas of sponsorship, promotion, advertising, sales, event marketing, and communications. Students will also obtain an understanding of the career options available to them.

The course will provide students with the fundamental principles and concepts identified with sports and entertainment marketing, and will help develop critical thinking and decision-making skills.

Web Design A - BUS136A

Grades 11, 12 / .5 credit

Students will learn the basics of web design through HTML. Students will develop and publish web pages which will include design and program principles and how to set up a site and publish it to the Internet. In a hands-on environment, students will design web pages using HTML. Students also will be exposed to Adobe Flash, animation software and Photoshop.

Web Design B - BUS136B

Grades 11, 12 / .5 credit

Prerequisite: Web Design A

Students who have successfully completed Web Design A will now have the opportunity to learn more about Web Design using Adobe Dreamweaver. Students will enhance their web design skills while incorporating other programs such as Photoshop, Adobe Dreamweaver and Adobe Flash.

Articulation: Completion of Web Design A and Web Design B with an 80% or better will earn 3 articulation credits to GRCC.

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ENGLISH DEPARTMENT

Freshman English IA - ENG122A

Grade: 9 / .5 Credit per Semester **Required Course**

Prerequisites: Successful completion of 8th grade Language Arts

Freshman English IA focuses on student development of the following components: reading literacy skills, written expression, including usage and mechanics, speaking/listening skills, discussion, and critical thinking skills. This course focuses on comprehension and composition of expository and persuasive texts, as well as on speaking, discussion, research, and critical reasoning skills. In addition, students will engage in a variety of discussions, including the whole class and small group formats. The study of literature in this course includes reading and comprehending a wide variety of literary forms including short stories, nonfiction, poetry, drama, novels, and spoken and visual texts. In addition, our choice reading initiative provides an excellent opportunity to engage our students in literature with the intentions of fostering a lifelong love of reading and building foundational literacy skills. The study of language targets usage, mechanics, and strategies for vocabulary development integrated into literature and composition activities. SAT Reading, Writing, and Language skills are introduced and practiced.

Freshman English IB - ENG122B

Grade: 9 / .5 Credit per Semester **Required Course**

Prerequisites: Successful completion of 8th grade Language Arts

Freshman English IB focuses on student development of the following components: reading literacy skills, written expression, including usage and mechanics, speaking/listening skills, discussion, and critical thinking skills. This course focuses on comprehension and composition of expository and persuasive texts, as well as on speaking, discussion, research, and critical reasoning skills. In addition, students will engage in a variety of discussions, including an oral research speech presentation. The study of literature in this course will include reading and comprehending a wide variety of literary forms including short stories, nonfiction, poetry, drama, novels, and spoken and visual texts. In addition, our choice reading initiative provides an excellent opportunity to engage our students in literature with the intention of fostering a lifelong love of reading and building foundational literacy skills. The study of language targets usage, mechanics, and strategies for vocabulary development integrated into literature and composition activities. SAT Reading, Writing, and Language skills are introduced and practiced.

Sophomore English IIA - ENG222A

Grade: 10 / .5 Credit per Semester **Required Course**

Prerequisites: Successful completion of Freshman English (IA and IB)

[English IIA Syllabus](#)

Sophomore English IIA is designed to give students an introduction to the world of academic research, rhetorical analysis, persuasion, critical evaluation, and literary analysis. The objective is for students to develop speaking, reading, writing, and critical thinking skills. They will perfect these skills through practice in various formats including formal outlining, isolated paragraph writing, researched analytic essays, and persuasive speeches. The readings will reflect fiction, nonfiction, speeches, and various other forms of communication. There will also be a component of choice reading to engage students in meaningful and personal interactions with literature of their choosing. English IIA will also focus on the development of writing and reading skills needed to perform well in all academic classes and on standardized tests. SAT Reading, Writing, and Language skills are built upon.

Sophomore English IIB - ENG222B

Grade: 10 / 2 Semesters. 1 Credit

Prerequisites: Successful completion of Freshman English (IA and IB)

AP Seminar is a two-semester course where students conduct in-depth research on real-world issues. In this class, students will analyze literature and nonfiction texts to examine how history, society, and viewpoints shape the way we see and experience the world, connecting themes to issues society faces today. The course focuses heavily on building evidence based arguments, writing college-level research papers, and presenting research findings through multimedia presentations. At various points of the course, students will conduct their own independent research and collaborate in teams to investigate and present on complex issues. AP Seminar differs from other high school English courses in that it takes an inquiry-based approach to learning and encourages students to explore topics that they find relevant and meaningful. This course is not only great for students who love research, but also students desiring a structure and environment that mimics the college experience.

A.P. Seminar - ENG224A/ENG224B

Grade: 10 / .5 Credit per Semester **Required Course**

Prerequisites: Successful completion of Freshman English (IA and IB)

[English IIB Syllabus](#)

Sophomore English IIB is an extension of IIA in that it builds upon the reading, writing, and critical thinking skills

developed in IIA. A greater emphasis will be placed on longer texts, independent research-based writing, synthesis writing, and the practice and application of grammatics to prepare for upper level standardized testing. The readings will reflect fiction, nonfiction, speeches, and various other forms of communication. There will also be a component of choice reading to engage students in meaningful and personal interactions with literature of their choosing. English IIB will also focus on the development of writing and reading skills needed to perform well in all academic classes and on standardized tests. SAT Reading, Writing, and Language skills are built upon.

Creative Nonfiction Literature - ENG530

Grade: 11 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

Creative Nonfiction Literature will reinforce and extend the core ELA skills of reading, writing, speaking, and listening through a thematic lens. Students will study multiple subgenres of Nonfiction including Memoir, True Crime, and Social/Political Nonfiction texts (Student Choice). The course emphasizes: A.) comprehension and analysis of complex literature, B.) narrative, expository, and argumentative composition, C.) research, D.) public speaking and discussion skills. Speeches and writing assignments are required throughout the course. The course will engage students in multiple opportunities for choice through book clubs and projects. Additional choice reading alongside whole class novels/texts will be required to help improve reading speed, comprehension, and vocabulary skills. Common assessments will be given.

World Literature - ENG526

Grade: 11 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

World Literature will explore different novels, memoirs, and short stories from other countries in order to build cultural awareness while improving writing, reading and speaking skills. Students will read *In Order to Live: A North Korean Girl's Journey to Freedom*, *A Land of Permanent Goodbyes* (Syrian conflict), and *Lord of the Flies* in order to discern what draws humanity together and what pulls humanity apart. The course emphasizes: A.) comprehension and analysis of complex literature, B.) narrative, expository, and argumentative composition, C.) research, D.) public speaking and discussion skills. Speeches and writing assignments are required throughout the course. The course will engage students in multiple opportunities for choice through book clubs and projects. Additional choice reading alongside whole class novels/texts will be required to help improve reading speed, comprehension, and vocabulary skills. Common assessments will be given.

Performative Literature - ENG532

Grade: 11 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

Performative Literature focuses on texts meant to be *experienced* rather than read only. Students will learn through interacting with screenplays, short films, drama, graphics, lyric and epic poetry, podcasts, interactive websites, and multimedia. The course emphasizes: A.) comprehension and analysis of complex literature, B.) narrative, expository, and argumentative composition, C.) research, D.) public speaking and discussion skills. Speeches and writing assignments are required throughout the course. The course will engage students in multiple opportunities for choice through book clubs and projects. Additional choice reading alongside whole class novels/texts will be required to help improve reading speed, comprehension, and vocabulary skills. Common assessments will be given.

A.P. Language and Composition - ENG316A/ENG316B

Grade: 11 / 2 semesters. 1 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

Advanced Placement Language and Composition is a two-semester course in the study of the English language and communication. With a heavy focus on expository, analytical, and argumentative writing they must do in college, students learn the modes of rhetoric. The reading in the course is diverse and consists of a wide variety of nonfiction texts. What makes AP English Language and Composition different from other high school English courses is its focus on rhetoric and non-fiction. While promoting writing in many contexts for a variety of purposes, this course is the place where nonfiction texts and contexts take center stage. Here students think deeply about language as a persuasive tool and about the dynamic relationship of writer, context, audience, and argument. This course is not only great for students who love nonfiction, but also for students desiring a structure and environment that mimics the college experience.

A.P. Literature and Composition - ENG416A/ENG416B

Grade: 12 / 2 semesters. 1 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB), and Junior English Elective(s)

AP Literature is an intensive study of the craft of fiction and poetry. In each semester, students will read fiction, poetry, and drama from a wide range of time periods and genres including historical, realistic, dystopian, and contemporary. We will examine literature and poetry through a handful of thematic lenses, questioning how genre, time period, and perspective impact the meaning of a work as a whole, as well as the techniques authors and poets use to convey meaning. This course is different than other literature courses in that it does not only explore a wide variety of engaging texts, but it also examines the craft of a literary artist in deeply analytic ways. The course includes the teaching of literary techniques and devices, in-depth poetry analysis, AP Exam practice/preparation, and graded literary discussions. This course is not only great for students who love literature, but also for students desiring a structure and environment that mimics the college experience.

Contemporary Literature - ENG528

Grade: 12 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

This course is designed to give students a thematic overview of modern, contemporary literature and to develop and improve writing, speaking and reading skills. This course will work through the genres of realistic fiction, historical fiction, and dystopian fiction. Students will explore modern works in these genres to uncover the topics, perspectives, and literary choices an author makes to appeal to and interact with the contemporary world. The course emphasizes: A.) comprehension and analysis of complex literature, B.) narrative, expository, and argumentative composition, C.) research, D.) public speaking and discussion skills. Speeches and writing assignments are required throughout the course. The course will engage students in multiple opportunities for choice through book clubs and projects. Additional choice reading alongside whole class novels/texts will be required to help improve reading speed, comprehension, and vocabulary skills. Common assessments will be given.

Creative Writing - ENG511

Grade: 12 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

Creative Writing provides students the opportunity to explore new and different methods of writing with a narrative focus. Students will study/explore different genres of writing such as fantasy fiction, short stories, fractured fairytales, children's books, poetry, and reviews. Students will learn to create powerful characters, intense plots and strong images. Communication and discussion will be a continual emphasis in the course through choice reading. The course will reinforce and extend the core ELA skills of reading, writing, speaking, and listening while helping to improve reading stamina, comprehension, and vocabulary skills. Students will demonstrate increasing sophistication in all aspects of language use, from vocabulary and syntax to the development and organization of ideas, and will address increasingly demanding content and sources.

Research Writing - ENG536

Grade: 12 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB), and either Junior English 11 A & B **or** AP Language and Composition

This course is designed to be an introduction to writing through research. Research writing allows writers to find scholarly sources, evaluate their credibility, and smoothly integrate them into structured essays that present credible evidence to a variety of audiences. Students will learn to apply various research methods by reading different kinds of research writing and watching research in action by evaluating various documentaries. Students will spend a significant amount of time writing their final, college-level research paper. This research paper will be required to improve critical thinking skills. Communication and discussion will be a continual emphasis in the course through choice reading and book clubs. The course will reinforce and extend the core ELA skills of reading, writing, speaking, and listening while helping to improve reading stamina, comprehension, and vocabulary skills. Common assessments will be given.

Practical Communications - ENG538

Grade: 12 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

Practical Communications emphasizes real-world applications of reading, writing, speaking, and listening. Students will take part in self exploration through writing including: career exploration, career preparation, field research, resume building and mock interviews, public speaking, and other forms of writing beyond the academic world. Although the course falls into the writing category for ELA electives and will emphasize writing, students who take this course will engage in all of the core ELA skills: A.) comprehension and analysis of complex literature, B.) narrative, expository, and argumentative composition, C.) research, D.) public speaking and discussion skills. Speeches and writing assignments are required throughout the course. The course will engage students in multiple opportunities for choice through book clubs and projects. Additional choice reading alongside whole class novels/texts will be required to help improve reading speed, comprehension, and vocabulary skills. Common assessments will be given.

Journalism - ENG534

Grade: 11 / .5 credit

Prerequisites: Successful completion of Freshman English (IA and IB) and Sophomore English (IIA and IIB)

Journalism provides students the opportunity to collaboratively publish our school newspaper. This process involves pitching stories, interviewing sources and writing a variety of articles including reviews, features, editorials, entertainment, sports, social media and newsletter posts, and straightforward news stories. The course will reinforce and extend the core ELA skills of reading, writing, speaking, and listening while helping to improve reading stamina, comprehension, and vocabulary skills. Students will demonstrate increasing sophistication in all aspects of language use, from vocabulary and syntax to the development and organization of ideas, and will address increasingly demanding content and sources.

Debate - GEN404

Grades: 10, 11, 12 / .5 Credit

Elective Course

Prerequisites: English IA/IB

This course is designed to develop students' critical thinking, research, and communication skills through the art of debate. Students will engage in various debate formats, including Lincoln-Douglas, Legislative, Public Forum, and Extemporaneous Debate. They will learn to construct persuasive arguments, analyze evidence, and effectively deliver speeches. By participating in debates, students will gain confidence in public speaking, improve their ability to think critically, and become skilled advocates for their beliefs.

ESL English - ENG610, ENG616, ENG618, ENG620

Grades 9, 10, 11, 12 / .5 credit

This course may be taken multiple times.

This is an English course that is designed for lower-proficiency English Language Learners.

ESL Academic Support - ENG622A and ENG622B

Grades 9, 10, 11, 12 / .5 credit

This course may be taken multiple times.

This is an Academic Support course that is designed to help lower-to-mid proficiency level English Language Learners with their content area classes.

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FINE ARTS DEPARTMENT

Fine Arts - Applied Technology:

All Applied Technology courses meet the Michigan Merit Curriculum one credit graduation requirement for the Visual, Performing, and Applied Arts.

Metalworking and Machining A - TEC110A

Grade 9, 10, 11, 12 / .5 credit

Requirements: OSHA approved safety glasses.. Materials for choice project(s) will be an additional charge based on materials chosen.

New for the '25/'26 school year! Metalworking and Machining explored the world of working with metal. Sheet metal bending, welding, manual and CNC machining are the main areas of focus. Students will learn how to safely use metalworking equipment, how to complete various different networking processes, and complete a project of their own choosing after demonstrating their ability of the basics in each area. Join our pilot class in the '25/'26 school year to help make this class grow in the future!

Wood Fabrication A - TEC111A

Grade 9, 10, 11, 12 / .5 credit

Advised that Wood Fab A & B be taken in the same year if possible

Requirements: OSHA approved safety glasses and a 12'+ tape measure. Materials for choice project will be an additional charge based on materials chosen.

Wood Fabrication A is a course designed to introduce students to woodworking equipment, terminology, and basic assembly techniques, which will prepare them to work on their own with equipment, and design and build a project of their own. This course is intended to be a base of knowledge for further woodworking classes, and to allow kids to explore their interest in woodworking through a required project and a student's choice project.

Wood Fabrication B - TEC111B

Grade 9, 10, 11, 12 / .5 credit

Advised that Wood Fab A & B be taken in the same year if possible

Prerequisite: Wood Fabrication A

Requirements: OSHA approved safety glasses and a 12'+ tape measure. A \$5 materials fee will be charged, as well as an additional charge based on materials chosen for their choice project.

This course is an extension and companion of Wood Fabrication A. Students will continue learning about different assembly techniques and styles, and take on a more difficult required project, and design and build a student's choice project. This course is intended to grow a student's woodworking knowledge and push them to challenge themselves.

Applied Mechanics / Pre-Engineering - TEC113

Grade 9, 10, 11, 12 / .5 credit

Applied Mechanics is an introductory style class in which students engage in designing and building various mechanical devices that demonstrate physical science principles. Working mostly in teams, students are faced with stated problems for which a solution must be designed, built and tested. They will be involved in designing and building catapults, air powered vehicles, pick & place hydraulic machines with which they compete against each other. Students will work in groups as well as individually in this-hands on, project based problem solving environment. A special focus is put on simple machines/Applied Mechanics, Robotics, Fluids (hydraulics), various types of materials and Material Properties as well as the design process. This is an excellent course for anyone considering a career in Engineering or Industrial Processing.

Technical Drafting - TEC114

Grade 9, 10, 11, 12 / .5 credit

Technical Drafting offers opportunities to acquire skills in visual perception. Students develop the basic skills of drafting, acquire a working knowledge of industrial design processes, improve spatial perception, and practice the language of real world industrial communication. Students will use hand drawings and significant use of CAD as a technical communication tool. This class is encouraged as a starting point for all students interested in woodworking, engineering or robotics classes.

Residential Architectural Design - TEC115

Grade 10, 11, 12 / .5 credit

Prerequisite: A minimum of a C- in Drafting

Residential Architectural Design is a course that builds on the general drafting skills learned in Drafting class. Application of existing skills and learning new skills will occur around the focus of designing living environments. Each student will draw a set of construction documents for a living environment of their own design. All drawings will be produced using CAD software. Students will be pushed to explore Living Structure Design by comparing and contrasting existing styles and practices as well as re-thinking how a home functions and how the form reflects and enhances that function. *Students looking to do a full year focusing on architecture should also sign up for an Independent Study.*

Advanced Woodworking - TEC116

Grade 10, 11, 12 / .5 credit

Prerequisite: Minimum C- grade in Wood Fabrication A and B classes, or written instructor approval.

Requirements: OSHA approved safety glasses and a 12'+ tape measure. A \$5 materials fee will be charged, as well as an additional charge based on materials chosen for their choice project.

This class is designed for the serious woodworker to experience a challenging project based environment. Each student will design, draw, and build a custom piece of furniture or other larger more complicated woodworking project. Project management, and time management are essential as the student must design the project as well as determine costs and methods of construction prior to building. Industry wide construction methods are used, and multiple furniture styles are explored. *Students who want a full year of woodworking with this class can also sign up for an independent study.*

Engineering Design 1 - TEC117A

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Drafting

Interested in Engineering? An Introduction to Engineering Design with Solid Works introduces students to the engineering design process utilizing 3D Computer Aided Design (CAD). Topics covered in engineering design are: Sketching; 3D Modeling; Part Drawing; Assembly Drawing; Visualization; Rapid Prototyping (3d printing)

Engineering Design 2 - TEC117B

Grades 10, 11, 12 / .5 credit

Prerequisite: Drafting & Engineering Design 1

Requirements: OSHA approved safety glasses. A materials fee will be charged.

This course supports students developing their 3D skills in Solid Works. The F1 Design Project helps students learn how to apply 2D and 3D modeling principles and techniques to create a race car assembly and drawing. Students design and assemble Lego's as solids. Review/discuss the 14 challenges facing engineering as outlined by the National Academy of Engineers.

Engineering Design 3 - TEC117C

Grades 10, 11, 12 / .5 credit

Prerequisite: Drafting & Engineering Design 2

Concentrate on learning the principles of engineering and design, and feel the excitement of seeing your creations take shape (Robotics – Roller coasters – Airplanes – HEMI V8). Participating on an engineering team can help you develop the real-life skills you'll need as a professional engineer: collaboration, teamwork and innovative problem-solving using 3D CAD.

Coding - BUS138

Grades 9, 10, 11, 12 / .5 credit

NOTE: This course may be taken multiple times with instructor permission.

Computer science and coding are 21st-century skills that enable students to be creators, rather than just consumers, of technology. Its emphasis on problem solving is applicable across disciplines, driving growth and innovation across all sectors of the workforce. Students create computer science projects around different themes such as Sport, Art, Social Media, Music and Sound, Animation, Game Design and Fashion. Each theme contains 8 lessons of 60-90 minutes using Scratch, a drop and drag platform created by MIT.

Robotics - Sem 1 TEC200A or Robotics - Sem 2 TEC200B

Grades 9, 10, 11, 12 / .5 credit

NOTE: This course may be taken multiple times.

The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics. Course information will be tied to lab experiments; students will work in teams to build robots, culminating in an end-of-semester robot contest. This course introduces fundamental concepts in Robotics. In this course, basic concepts will be discussed, including coordinate transformations, sensors, path planning, kinematics, feedback and feed forward control, stressing the importance of integrating sensors, effectors and control. These topics will be exemplified with labs. This course is intended for students with interests in Science, Technology, Engineering and Mathematics.

TV Production - BUS150

Grades 10, 11, 12 / .5 credit

This class is designed to give students an experience in all phases of creating a weekly news show. Students will be instructed in reporting, directing, studio filming and lighting, audio and video switching, and studio graphics. There is no prerequisite to take this class. Projects include news stories, commercials, music videos, special projects, etc.

Technology/Software Used: Davinci Resolve, Cameras, Microphones, Green Screen, Video Switcher, Graphics Generator, Adobe Suite

Broadcast Journalism- BUS152

Grades 10, 11, 12 / .5 credit

This class is designed to give students an experience in all phases of telling the story of sports. Students will be instructed in reporting, announcing, directing, studio filming and lighting, audio and video switching, and studio graphics. Students will be required to attend out of school events to assist in the live stream of certain athletic events. There is no prerequisite to take this class.

Technology/Software Used: Studio Cameras, intercom system, video switcher, graphics generator, soundboard, Adobe Suite, Davinci Resolve, camcorder, microphone, green screen.

Fine Arts - Visual Art:

Discover the world of visual arts and your own creative potential. Our highly individualized art courses offer a dynamic and engaging experience, designed to inspire students at every level—from those just discovering their artistic side to seasoned creators eager to refine their skills. Whether you're looking to explore new techniques, express yourself, or simply add a creative outlet to your schedule, you'll find a welcoming community here. Join us to unlock your potential and make your mark through art.

All Art courses count toward the Michigan Merit Curriculum one credit graduation requirement for the Visual, Performing, and Applied Arts.

Open Studio Art - ART122A/ART122B

Grade 9, 10, 11, 12 / .5 credit

Prerequisite: None

Note: You are encouraged to take any visual art course multiple times without limit.

In this course, you have the freedom to explore a diverse array of traditional art materials and techniques. The class encourages experimentation and personal expression, helping you find your artistic voice while developing essential visual skills. Initially, you will work on structured projects to feel comfortable and confident in your abilities. As your interests and skills grow, you will be encouraged to pursue independent work and choose from various art-making practices, including drawing, painting, sculpture, ceramics, and digital art using Adobe software in our drop-in computer lab.

This flexible environment supports all levels of experience, offering opportunities for both guided projects and independent exploration to foster creativity and skill development.

Drawing and Painting - ART150A/ART150B

Grade 9, 10, 11, 12 / .5 credit

Prerequisite: None

Note: You are encouraged to take any visual art course multiple times without limit.

Learn to enhance your drawing, painting, and observational skills in a supportive and creative environment. This class focuses on fundamental techniques in art-making, helping you develop the skills needed to realize your artistic vision. We will support you in refining your ability to observe, perceive, and expand your perspective, enabling you to achieve your creative goals more effectively. The course provides an inspiring experience, offering guidance and encouragement through the challenges of drawing and painting.

Assignments are designed to accommodate various skill levels, making this course a fantastic opportunity for artists of all abilities to deepen their practice and grow as creators. As you progress, you will move from prescribed projects to more independent, self-directed work, allowing you to explore your personal artistic interests and ideas.

Digital Art and Photography - ART152A/ART152B

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: None

[Digital Art Syllabus](#)

Note: You are encouraged to take any visual art course multiple times without limit.

This course brings you into the vibrant world of digital art and design, combining creativity with technology. In our hybrid art studio and computer lab, you will work with both traditional art materials and digital tools, gaining hands-on experience in photography, graphic design, digital painting, animation, and more. You will learn to use industry-standard Adobe software, developing skills in visual composition, color theory, and digital craftsmanship.

The course begins with structured projects to provide a solid foundation, gradually offering more freedom as your skills and confidence grow. Additionally, you will have the opportunity to participate in larger collaborative projects, fostering teamwork and creativity. With opportunities to experiment and innovate, you can create unique artworks in a supportive and collaborative environment, setting a strong foundation for future pursuits in the visual arts.

Advanced Placement 2D Art and Design - ART134A/ART134B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisite: Art Instructor Recommendation or Portfolio Review

Note: This course is highly recommended for both Junior and Senior years. Sophomores may also be admitted with prior recommendation from an art instructor.

AP Art is our capstone course designed for you to develop a strong portfolio and earn college credit. This class will help you explore various two-dimensional media, including drawings, paintings, prints, photographs, collages, and more, as you build your portfolio. You will have access to a mobile lab of computers equipped with Adobe software, which will enhance your ability to work with digital tools alongside traditional techniques. You will have the opportunity to focus on your preferred medium and refine your work for college admissions. In the spring of your senior year, you can submit your portfolio to the College Board for evaluation, with the potential to earn college credit based on your achievements.

Yearbook - ENG540A/ENG540B

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: None

[Yearbook Syllabus](#)

Note: You are encouraged to take any visual art course multiple times without limit.

In this course, you become the visual storyteller of Caledonia High School, focusing on photojournalism to capture the essence of school life. Through hands-on experience, you will learn to shoot and edit photographs using Adobe Lightroom, documenting both daily activities and extracurricular events. Collaboration is at the heart of this course, as you

work closely with your peers to develop strong photographic skills—such as composition, lighting, and storytelling—to create an authentic and vibrant yearbook.

You will also engage in light-hearted interviews with fellow students, fostering connections and adding engaging and memorable captions to your photos. Together, you'll build a portfolio of compelling images that reflect the spirit of the school year, showcasing the diverse experiences and voices within the Caledonia community.

Theatre Arts - ART210

Grades 9, 10, 11, 12 / .5 credit

The Theatre Arts course meets 1/2 of the Michigan Merit Curriculum's one credit graduation requirement for the Visual, Performing, and Applied Arts.

Theatre Arts is an exploration of performance and technical skills for the stage. Theater history, stage etiquette, lighting and set design, as well as acting exercises and techniques will be combined to offer students a well-rounded introduction to the theater. A performance-based final assessment will be required to earn credit.

Fine Arts - Music:

All music courses meet the Michigan Merit Curriculum one credit graduation requirement for the Visual, Performing and Applied Arts

Symphony Orchestra - MUS316A/MUS316B

Grades 10, 11, 12 by audition / 2 semesters / 1 credit

Prerequisite: Audition and Participation in Freshman Orchestra. Students must play an orchestral string instrument.

The CHS Symphony Orchestra (formerly known as Chamber Orchestra) is a year-round class open to all 10th, 11th, and 12th grade string players by audition only. Symphony Orchestra meets at the same time during the school day as our Marching Band & Wind Ensemble in order to play symphonic (full orchestra) music year-round with our most advanced wind, brass, and percussion students. This class allows the most dedicated string musicians at Caledonia High School to reach the highest level of performance, extend their abilities through performance of challenging repertoire, and develop advanced techniques. Students will be provided with opportunities for leadership within the orchestra program and will participate in extra performances in addition to our five annual concerts. Symphony Orchestra is a year long commitment and auditions will take place during the previous school year in the spring.

Concert Orchestra - MUS312A/MUS312B

Grades 10, 11, 12 / 2 semesters / 1 credit

Prerequisite: Participation in Freshman Orchestra. Students must play an orchestral string instrument.

The CHS Concert Orchestra is a year-round class open to all interested 10th, 11th, and 12th grade string players who have previously participated in Freshman Orchestra. This class continues to build upon the foundation of Freshman Orchestra, exploring a variety of advanced string techniques and musical skills, as well as fun music in a variety of musical styles. Concert Orchestra will perform five times per year and may also participate in MSBOA Orchestra Festival. Concert Orchestra is a year long commitment and all 10th-12th grade orchestra students are welcome.

Freshman Orchestra - MUS310A/MUS310B

Grade 9 / 2 semesters / 1 credit

Prerequisite: Participation in the middle school orchestra program or instructor permission. Students must play an orchestral string instrument.

The CHS Freshman Orchestra consists of all 9th grade string players and allows musicians in their first year of the high school orchestra program to develop their skills while playing fun music in a variety of musical styles. Students will learn

and perform a wide variety of music while developing advanced instrument technique and musical skills. Freshman Orchestra performs five concerts per year and may also participate in outside performances like MSBOA Orchestra Festival. Freshman Orchestra is a year long commitment and all 9th grade orchestra students are welcome.

Treble Chorus - MUS220A/MUS220B

Grades 9, 10, 11, 12 / 2 semesters / 1 credit

Treble Chorus is open to alto and soprano singers, grades 9-12 who are interested in learning vocal technique and singing in a non-auditioned ensemble. Students will perform a variety of music literature, learn basic music theory, and develop their sight singing as well as ear training skills. Members of Treble Chorus are required to participate in four concerts as well as the MSVMA District Choral Festival. Choir students are required to be enrolled in both semesters.

Tenor/Bass Ensemble - MUS218A/MUS218B

Grades 9, 10, 11, 12 / 2 semesters / 1 credit

Tenor/Bass Ensemble is open to tenor and bass singers, grades 9-12 who are interested in learning vocal technique and singing in a non-auditioned ensemble. Students will perform a variety of music literature, learn basic music theory, and develop their sight singing as well as ear training skills. Members of the Tenor/Bass Ensemble are required to participate in four concerts as well as the MSVMA District Choral Festival. Choir students are required to be enrolled in both semesters.

Choralaires - MUS212A/MUS212B-

Grades 11, 12 by audition / Grade 10 by permission of instructor and audition / 2 semesters / 1 credit

Prerequisite: minimum of one year experience in Treble Choir or Tenor/Bass Ensemble.

Choralaires is open to students grades 11-12 through audition only, or sophomores through audition and special permission from the instructor. This course is designed for experienced singers who desire to be challenged. Members must have the freedom to make performances outside of the regular school day. Emphasis will be on vocal technique, singing a variety of music literature, performance, advanced level sight reading, ear training, and music theory. Members of Choralaires will also participate in four concerts and the MSVMA District Choral Festival. Choir students are required to be enrolled in both semesters.

Advanced Treble Chorus - MUS214A/MUS214B

Grades 10, 11, 12 by audition / 2 semesters / 1 credit

Prerequisite: Minimum of 1 year experience in Treble Chorus

Advanced Treble Chorus is open to alto and soprano voices, grades 10-12 through audition only. Emphasis will be on vocal technique, singing a variety of music literature, intermediate level sight reading, ear training, and music theory. Members of Advanced Treble Chorus will participate in four concerts as well as the MSVMA District Choral Festival. Advanced Treble Chorus students are required to be enrolled for both semesters. Prerequisite: minimum of one year of experience in Treble Chorus.

Bella Voce - MUS222A/MUS222B

Grades 10, 11, 12 by audition / 2 semesters / 1 credit

Prerequisite: Minimum of 1 year experience in Treble Chorus

Bella Voce is open to alto and soprano voices, grades 10-12 through audition only. This course is designed for experienced singers who desire to be challenged. Emphasis will be on vocal technique, singing a variety of music literature, advanced level sight reading, ear training, and music theory. Members of Bella Voce will participate in four concerts as well as the MSVMA District Choral Festival. Bella Voce students are required to be enrolled for both semesters. Prerequisite: minimum of one year of experience in Treble Chorus.

Freshmen Band - MUS112

Grade 9 / 2nd semester / .5 credit

Prerequisites: Middle School Band, Marching Band or Concert Band

During the 1st Semester students are also members of either the Fighting Scots Marching Band or the Concert Band.

This class is open to Freshmen who play a Brass, Woodwind or Percussion Instrument. Students will study High School Level instrumental ensemble literature, as well as intermediate levels of instrumental technique. Performances for this course are scheduled throughout the school year and include special concerts, district band festival, and solo/ensemble festival as well as Memorial Day and Fourth of July parades.

Band is a year long commitment. The consistency of being in band both semesters will help students develop their skills on their instrument. Like any skill, commitment and consistent work are important factors towards success. If a student cannot schedule Freshman band with Marching Band or Concert Band, he or she should discuss it with Mr. Wellfare.

Symphonic Band - MUS114

Grades 10, 11, 12 with instructor permission / 2nd semester / .5 credit

Prerequisites: Freshman Band, Marching Band or Concert Band

During the 1st Semester students are also members of either the Fighting Scots Marching Band or the Concert Band.

Students will study intermediate instrumental ensemble literature as well as intermediate levels of instrumental technique. Performances for this course are scheduled throughout the school year and include special concerts, district band festival, and solo/ensemble festival as well as Memorial Day and Fourth of July parades.

Band is a year long commitment. The consistency of being in band both semesters will help students develop their skills on their instrument. Like any skill, commitment and consistent work are important factors towards success. If a student cannot schedule Symphonic band with Marching Band or Concert Band, he or she should discuss it with Mr. Wellfare.

Wind Ensemble - MUS116

Grades 11, 12 by audition; 10th grade with instructor permission and audition / 2nd semester / .5 credit

Prerequisites: Freshman Band, Symphonic Band, Concert Band or Marching Band

During the 1st Semester students are also members of either the Fighting Scots Marching Band or the Concert Band.

Wind Ensemble is open to students grades 11-12 through audition only, or sophomores through audition and special permission from the instructor. In addition to performing music from the advanced levels of the concert band literature, Wind Ensemble meets at the same time during the school day as our Symphony Orchestra in order to perform symphonic music throughout the semester with our most advanced orchestra students. Students will study advanced instrumental ensemble literature as well as advanced levels of instrumental technique. This course is designed for serious instrumentalists who desire to be challenged. Emphasis will be on advanced technique, playing a variety of music literature, performance, advanced level sight reading, ear training, and music theory. Performances for this course are scheduled throughout the school year and include special concerts, district band festival, and solo/ensemble festival as well as Memorial Day and Fourth of July parades.

Band is a year long commitment. The consistency of being in band both semesters will help students develop their skills on their instrument. Like any skill, commitment and consistent work are important factors towards success. Wind Ensemble students are required to enroll in band both semesters.

Concert Band - MUS118

Grades 9, 10, 11, 12 / 1st semester / .5 credit

No Audition is required for 1st Semester Concert Band.

During the 2nd semester students will transfer into Freshman Band (9th Graders), Symphonic Band, or Wind Ensemble.

This class will be offered 1st semester only and will be for those students who choose not to perform as a Member of the Caledonia Fighting Scots Marching Band. This class is open to all students who plays a Brass, Woodwind, or Percussion Instruments. Students will study High School Level instrumental ensemble literature and intermediate/advanced levels of instrumental technique.

Band is a year long commitment. The consistency of being in band both semesters will help students develop their skills on their instrument. Like any skill, commitment and consistent work are important factors towards success. If a student cannot schedule band for both semesters, he or she should discuss it with Mr. Wellfare.

Marching Band - MUS110

Grades 9, 10, 11, 12 / 1st semester / .5 credit

Prerequisites: Middle School Band or Freshman Band, Symphonic Band or Wind Ensemble in the previous school year.

NOTE: Four years of Marching Band can be substituted for the PE requirement. Let your counselor know if this is your plan.

Marching Band is open to all students grades 9-12. The Fighting Scots Marching Band performs at all home football games, MSBOA Marching Band Festival and 2 Marching invitationals. Members are required to attend a one-week Marching Band camp, held in late July/early August at Lincoln Lake Camp, to prepare for the marching band season in the fall. The marching band rehearses once a week during August and on Monday nights from 7-9 during the football season. Marching Band meets at the same time during the school day as our Symphony Orchestra to allow select members of the Marching Band to rehearse and perform symphonic repertoire with our Symphony Orchestra. A detailed calendar is published and printed in the band rooms and at www.caledoniabands.com. Every effort has been made in advance to avoid all conflicts with school related activities, including athletics.

Any student that plays a woodwind, brass or percussion instrument must sign up to be a part of Freshman Band, Symphonic Band, or Wind Ensemble during the second semester. Members of the color guard (who are not instrumentalists also) must sign up for marching band during the first semester, but do not have to sign up for band during the second semester.

There is a fee for marching band that covers the cost of band camp, rehearsal staff, uniform maintenance, etc. Every effort will be made to keep this fee near \$300. The band boosters provide numerous fundraisers to help offset the cost, so please do not let cost be a deciding factor in your participation. A payment schedule for the season will start in April to help parents and students manage the cost.

Band is a year long commitment. The consistency of being in band both semesters will help students develop their skills on their instrument. Like any skill, commitment and consistent work are important factors towards success. If a student cannot schedule Marching Band with Freshman Band, Symphonic Band or Wind Ensemble for both semesters, he or she should discuss it with Mr. Wellfare.

Jazz Band - MUS404A/MUS404B

Grades 9, 10, 11, 12 / 2 semesters / .5 credit

Meets before school Monday, Wednesday, and Thursday during 0 hour

Prerequisite: Concurrent participation in Marching Band, Concert Band, Freshman Band, Symphonic Band or Wind Ensemble.

Jazz Band is open to all current band students who play Saxophone (ATB), Trombone, Trumpet and Percussion. Piano, Guitar and Bass and Vocalists and other instruments are permitted by permission of the instructor on an as needed basis. Students will study basic to advanced jazz, literature for big band as well as learn the basics of jazz theory and improvisation. This includes big band swing, Latin jazz, fusion and rock styles. The Jazz Band performs at all band concerts, MSBOA Jazz Festival, the Hastings Jazz Festival and regularly for the student body. The Jazz Band is in demand for performances in the area and as such students must have the freedom to perform outside the regular school day.

The jazz band meets at 6:50 A.M. for 45 minutes on Mondays, Wednesdays, and Thursdays throughout the school year as a 0 hour class. Extra rehearsals may also be scheduled with advanced notice.

Jazz Band is a year long commitment. The consistency of being in Jazz band both semesters will help students develop their skills on their instrument. Like any skill, commitment and consistent work are important factors towards success. Jazz Band students are required to be enrolled both semesters.

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WORLD LANGUAGE DEPARTMENT

German 1 A - WL302A

Grades 9, 10, 11, 12 / .5 credit

German 1A focuses on the essentials of listening, speaking, reading, and writing German at an introductory level that includes an emphasis on oral proficiency. Students will learn language basics, beginning vocabulary and grammar. German 1A will complete chapters 1, 2, 3, and 4 and will culminate with a final assessment.

NOTE: A student wishing to test out of German 1 must test out of BOTH German 1A and 1B to receive one full credit.

German 1 B - WL302B

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Passing grade in German 1A

German 1B continues to focus on the essentials of listening, speaking, reading, and writing German at an introductory level that includes an emphasis on oral proficiency. Students will continue to learn language basics, beginning vocabulary and grammar. German 1B will complete chapters 5, 6, 7, and 8 and will culminate with a final assessment.

German 2 A - WL304A

Grades 10, 11, 12 / .5 credit

Prerequisite: Successful completion of German 1B with a passing grade.

German 2A presents the more complex structures of basic German. Students will acquire a basic command of key vocabulary and sentence structure necessary for personal communication, as well as an appreciation of the breadth and variety of the German-speaking world. Students will learn additional verb tenses. German 2A will complete chapters 9, 10, 11, and 12 and will culminate with a final assessment.

German 2 B - WL304B

Grades 10, 11, 12 / .5 credit

Prerequisite: Successful completion of German 2A with a passing grade.

German 2B continues to present the more complex structures of basic German. Students will acquire a basic command of key vocabulary and sentence structure necessary for personal communication, as well as an appreciation of the breadth and variety of the German-speaking world. Students will learn additional verb tenses. German 2B will complete chapters 1, 2, 3, and 4 in the level 2 book and will culminate with a final assessment.

German 3 A - WL306A

Grades 11, 12 / .5 credit

Prerequisite: Successful completion of German 2B with a C+ or better

German 3A presents the more complex structures of basic German with a focus on verb tenses and grammar, advanced

vocabulary, and short stories from the German-speaking world. Emphasis is given to oral and written communication.

Students will be expected to use the target language in the classroom. German 3A will complete units 5, 6, 7, and 8 in the level 2 book and will culminate with a final assessment.

German 3 B - WL306B

Grades 11, 12 / .5 credit

Prerequisite: Successful completion of German 3A with a C+ or better

German 3B continues to present the more complex structures of basic German with a focus on verb tenses and grammar, advanced vocabulary, and short stories from the German-speaking world. Emphasis is given to oral and written communication.

Students will be expected to use the target language in the classroom. German 3B will complete chapters 8, 10, 11, and 12 in the level 2 book and will culminate with a final assessment.

German 4 A - WL308A

Grade 12 / .5 credit

Prerequisite: Successful completion of German 3B with a B- or better

German 4A focuses on developing oral proficiency, and advanced reading and writing skills. It includes a grammar review, adding new grammar concepts and verb tenses. Emphasis is placed on cultural experiences using literature, art, and music from the German-speaking world.

Students are expected to use the target language both inside and outside of the classroom. German 4A will complete chapters 1, 2, 3, and 4 in the level 3 book and will culminate with a final assessment.

German 4 B - WL308B

Grade 12 / .5 credit

Prerequisite: Successful completion of German 4A with a B- or better

German 4B continues to focus on developing oral proficiency, and advanced reading and writing skills. It includes a grammar review, adding new grammar concepts and verb tenses. Emphasis is placed on cultural experiences using literature, art, and music from the German-speaking world. Students are expected to use the target language both inside and outside of the classroom. German 4B will complete chapters 5, 6, 7, and 8 in the level 3 book and will culminate with a final assessment. **NOTE:** All B level German classes will be required to present a memorized speech as part of the final assessment. The length of the speech is based on the course level.

Spanish 1 A - WL202A

Grades 9, 10, 11, 12 / .5 credit

Spanish 1A focuses on the essentials of listening, speaking, reading, and writing Spanish at an introductory level that includes an emphasis on oral proficiency. Students will learn language basics. Spanish 1A themes will include greetings and farewells, family, and school. The course will culminate with a final assessment.

NOTE: A student wishing to test out of Spanish 1 must test out of BOTH Spanish 1A and 1B to receive one full credit. A student wishing to test out of Spanish 2 must test out of Spanish 2A and 2B to receive one full credit.

Spanish 1 B - WL202B

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Passing grade in Spanish 1A

Spanish 1B continues to focus on the essentials of listening, speaking, reading, and writing Spanish at an introductory level that includes an emphasis on oral proficiency. Students will continue to learn language basics, beginning

vocabulary, and grammar. Spanish 1B topics will include animals, food, and activities/sports.. The course will culminate with a final assessment.

Spanish 2 A - WL204A

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Successful completion of Spanish 1B with a passing grade.

Spanish 2A presents the more complex structures of basic Spanish. Students will acquire a basic command of key vocabulary and sentence structure necessary for personal communication, as well as an appreciation of the breadth and variety of the Spanish-speaking world. Students will learn additional verb tenses. Spanish 2A topics will include travel, house, and health. The course will culminate with a final assessment.

Spanish 2 B - WL204B

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Successful completion of Spanish 2A with a passing grade.

Spanish 2B continues to present the more complex structures of basic Spanish. Students will acquire a basic command of key vocabulary and sentence structure necessary for personal communication, as well as an appreciation of the breadth and variety of the Spanish-speaking world. Students will learn additional verb tenses.

Spanish 2B topics will include daily routines, clothing, and city/directions. The course will culminate with a final assessment.

Spanish 3 A - WL206A

Grades 10, 11, 12 / .5 credit

Prerequisite: Successful completion of Spanish 2B with a C+ or better

Spanish 3A presents the more complex structures of basic Spanish with a focus on verb tenses and grammar, advanced vocabulary, and short stories from the Spanish-speaking world. Emphasis is given to oral and written communication. Students will be expected to use the target language in the classroom. Spanish 3A will complete units 1, 2, 3 and will culminate with a final assessment.

Spanish 3 B - WL206B

Grades 10, 11, 12 / .5 credit

Prerequisite: Successful completion of Spanish 3A with a C+ or better

Spanish 3B continues to present the more complex structures of basic Spanish with a focus on verb tenses and grammar, advanced vocabulary, and short stories from the Spanish-speaking world. Emphasis is given to oral and written communication. Students will be expected to use the target language in the classroom. Spanish 3B will complete units 4, 5, 6 and will culminate with a final assessment.

Spanish 4 A - WL208A

Grades 11, 12 / .5 credit

Prerequisite: Successful completion of Spanish 3B with a B- or better

Spanish 4A focuses on developing oral proficiency, and advanced reading and writing skills. It includes a grammar review and adds new grammar concepts and verb tenses. Emphasis is placed on cultural experiences using literature, art, and music from the Spanish-speaking world. Students are expected to use the target language both inside and outside of the classroom. Spanish 4A will complete units 1, 2, 3 and will culminate with a final assessment.

Spanish 4 B - WL208B

Grades 11, 12 / .5 credit

Prerequisite: Successful completion of Spanish 4A with a B- or better

Spanish 4B continues to focus on developing oral proficiency and advanced reading and writing skills. It includes a grammar review and adds new grammar concepts and verb tenses. Emphasis is placed on cultural experiences using literature, art, and music from the Spanish-speaking world. Students are expected to use the target language both inside and outside of the classroom. Spanish 4B will complete units 4, 5, 6 and will culminate with a final assessment.

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HEALTH / PHYSICAL ED DEPARTMENT

Health - PE166

Grades 9, 10, 11, 12 / .5 credit / **Required Course**

Prerequisite: None

This course is designed to give students information concerning their physical, mental and social well-being. Course topics will include basic human anatomy, nutrition, hygiene, major diseases (including AIDS), mental health, alcohol, tobacco, drug abuse, first aid/CPR, and reproductive health.

The major outcomes of this course are: Develop patterns of behavior that will promote a full and satisfactory life, learn CPR as a life saving technique, and to learn standard first aid procedures.

****STUDENTS ARE REQUIRED TO TAKE ONE PHYS ED CLASS UNLESS. you plan to take 4 years of Marching Band, which can then be substituted for the PE requirement. Let your counselor know if this is your plan.**

Junior and Seniors who have met the PE requirement may not take Phys Ed -Sem 1 or Phys Ed - Sem 2.

Phys Ed - Sem 1 - PE165A

Grades 9, 10, 11, 12 / .5 credit

This course will concentrate on the team and individual sports that are participated in during the fall months. Examples of these sports include tennis, football, frisball, soccer, golf, hockey and baseball/softball. Other sports will be covered. In addition, students will be introduced to the weight room and other physical conditioning activities.

Phys Ed - Sem 2 - PE165B

Grades 9, 10, 11, 12 / .5 credit

This course will concentrate on the team and individual sports participated in during the winter / spring months. Examples of these sports include volleyball, pickleball, basketball, soccer, golf, hockey and baseball/softball. Other sports will be covered. In addition, students will be introduced to the weight room and other physical conditioning activities.

Speed and Strength - PE176A or PE176B

Grades 9, 10, 11, 12 / .5 credit

This course is designed for the student who is looking to improve their overall appearance and build self-confidence. Students will participate in a variety of activities to enhance their overall appearance, fitness levels, and team building skills.

Lifetime Fitness - PE180A or PE180B

Grades 9, 10, 11, 12 / .5 credit

This course is an opportunity to enhance your physical fitness while having fun and learning a variety of fitness activities.

Participants will:

- Discover new methods of personal fitness training that can be used for a lifetime.
- Recognize and understand healthy body image.
- Analyze current nutritional habits and be prepared to make healthy choices in regards to nutrition.
- Calculate nutritional needs and formulate healthy choices based on USDA recommendations.
- Participate in a variety of intense training modalities designed to increase personal fitness level.
- Be prepared to design a personal fitness regimen specific to meeting personal goals.
- Understand and utilize healthy weight management techniques that are safe and effective.
- HAVE FUN getting in great physical and mental shape.

Competitive and Lifetime Sports - Sem 1 - PE178A

Grades 10, 11, 12 / .5 credit

Prerequisite: Completion of 1 semester of either Phys Ed, Speed & Strength, or Lifetime Fitness.

This course is designed to incorporate a full complement of team sports and lifetime sports, with fitness and conditioning exercises being a part of all activities. Sports covered, but not limited to, will include flag football, soccer, softball, team handball, and track. Lifetime sports will include tennis, golf, frisbee golf. Emphasis in all areas is placed on advanced level skills, teamwork, and strategies. Students will be evaluated by demonstrating a knowledge of the rules and strategies of the activities through written exam (rules of play), skills testing, and teacher observations. All sports will be played in a highly competitive environment.

Competitive and Lifetime Sports - Sem 2 - PE178B

Grades 10, 11, 12 / .5 credit

Prerequisite: Completion of 1 semester of either Phys Ed, Speed & Strength, or Lifetime Fitness.

This course is designed to incorporate a full complement of team sports and lifetime sports, with fitness and conditioning exercises being a part of all activities. Sports covered, but not limited to, will include basketball, floor hockey, volleyball, softball, team handball, and track. Lifetime sports will include badminton, pickleball, tennis, golf, and frisbee golf. Emphasis in all areas is placed on advanced level skills, teamwork, and strategies. Students will be evaluated by demonstrating a knowledge of the rules and strategies of the activities through written exam (rules of play), skills testing, and teacher observations. All sports will be played in a highly competitive environment.

Sports Medicine 1 - PE174A

Grades 10, 11, 12 / .5 credit

[Sports Medicine I Syllabus](#)

This course is designed to provide students with information pertaining to the field of Sports Medicine, as related to athletic training. This course is geared towards students who may have an interest in pursuing a career in a health-related field. The class has both a lecture and a lab component. Students will have the option to become a member of the CHS athletic training team.

The student will study anatomy, physiology, and kinesiology as related to injury prevention, evaluation, treatment, and rehabilitation of the following areas: Foot and Ankle. The student will be instructed in the areas of CPR and first aid and will be given the opportunity for certification in each.

Sports Medicine 2 - PE174B

Grades 10, 11, 12 / .5 credit

Prerequisite: Sports Medicine 1

[Sports Medicine II Syllabus](#)

This course is a continuation of Sports Medicine 1. The class has both a lecture and a lab component. Students will have

the option to become a member of the CHS athletic training team.

The student will study anatomy, physiology, and kinesiology as related to injury prevention, evaluation, treatment, and rehabilitation of the following areas: Knee, Thigh, Hip, Shoulder; Arm, Forearm, Hand, Head and Spine.

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MATH DEPARTMENT

Algebra I - MAT100A/MAT100B

Grade 9 / 2 semesters / 1 credit / **Required Course**

Prerequisites: None

This course introduces students to basic concepts and properties of Algebra. Concepts and skills are introduced algebraically, graphically, numerically, and verbally – often in the same lesson to help students make connections and to address diverse learning styles.

Topics of Study: Solving Equations and Inequalities, Linear Equations, Linear Functions, Systems of Linear Equations and Inequalities, Piecewise Functions, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Functions, Solving Quadratic Equations, Statistics

****Caledonia offers two options for Geometry. Both courses fulfill the graduation requirement for Geometry as outlined in the Michigan Merit Curriculum.**

Students may choose to take Geometry and Algebra II concurrently during the same year. This option is not generally recommended. It is primarily intended for students who need to complete both courses in one year to allow time to go on to Precalculus and then Calculus during their high school years.

Geometry Essentials - MAT212A/MAT212B

Grades 9, 10, 11, 12 / 2 semesters / 1 credit / **Required Course (or Geometry) Prerequisite:** Algebra I

Geometry Essentials is designed to provide the foundations for geometry and to apply geometric concepts and mathematical reasoning in a variety of contexts. This course is also intended to support students who had difficulty in Algebra 1. The geometric instructional design will involve spiral learning, online support, student engagement, algebraic thinking, and assessment for student understanding.

Topics of Study: points, lines, planes, angles, triangles, proof, congruence, construction, transformations, parallel and perpendicular relationships, similarity, trigonometry, perimeter, area, volume, quadrilaterals and circles.

Geometry - MAT200A/MAT200B

Grades 9, 10, 11, 12 / 2 semesters / 1 credit / **Required Course (or Geometry Essentials)**

Prerequisite: Algebra I

[Geometry B Syllabus](#)

This option for Geometry is recommended for students interested in STEM career pathways. It will place greater emphasis on geometric reasoning, proof, and making broad connections across geometric concepts than Geometry Essentials.

Geometry is designed to provide the foundations for geometry and to apply geometric concepts and mathematical reasoning in a variety of contexts. The geometric instructional design will involve spiral learning, online support, student engagement, algebraic thinking, and assessment for student understanding.

Topics of Study: points, lines, planes, angles, triangles, proof, congruence, construction, transformations, parallel and perpendicular relationships, similarity, trigonometry, perimeter, area, volume, quadrilaterals and circles.

****Caledonia offers two options for Algebra II. Both courses fulfill the graduation requirement for Algebra II as outlined in the Michigan Merit Curriculum.**

Students may choose to take Geometry and Algebra II concurrently during the same year. This option is not generally recommended. It is primarily intended for students who need to complete both courses in one year to allow time to go on to Precalculus and then Calculus during their high school years.

Algebra II Essentials - MAT312A/MAT312B

Grades 10, 11, 12 / 2 semesters / 1 credit / **Required Course (or Algebra II)**

Prerequisite: Geometry or Geometry Essentials

This course will meet the state requirements for earning Algebra II credit. However, this course is not recommended for college-bound students who will major or minor in a subject requiring a strong background in mathematics. It is intended to support students who had difficulty in Algebra I and/or Geometry.

Algebra II Essentials continues and extends all basic concepts and properties that students learned in Algebra I. Concepts and skills are introduced algebraically, graphically, numerically, and verbally – often in the same lesson to help students make connections and to address diverse learning styles.

Topics of Study: Tools of Algebra; Functions, Equations, and Graphs; Linear Systems; Matrices; Quadratic Equations and Functions; Polynomials and Polynomial Functions; Radical Functions and Rational Exponents; Exponential and Logarithmic Functions; Rational Functions; Quadratic Relations and Conic Sections; Sequences and Series; Probability and Statistics; Periodic Functions and Trigonometry; Trigonometric Identities and Equations.

Algebra II - MAT300A/MAT300B

Grades 10, 11, 12 / 2 semesters / 1 credit / **Required Course (or Algebra II Essentials)**

Prerequisite: Geometry or Geometry Essentials

This option for Algebra II is recommended for college-bound students who will major or minor in a subject requiring a strong background in mathematics. It will place greater emphasis on skills and concepts required for success in future STEM pathway courses, including Precalculus. These skills and concepts include trigonometric functions and identities, computational fluency, and making graphs and calculations with and without the help of a graphing calculator.

Algebra II continues and extends all basic concepts and properties that students learned in Algebra I. Concepts and skills are introduced algebraically, graphically, numerically, and verbally – often in the same lesson to help students make connections and to address diverse learning styles.

Topics of Study: Tools of Algebra; Functions, Equations, and Graphs; Linear Systems; Matrices; Quadratic Equations and Functions; Polynomials and Polynomial Functions; Radical Functions and Rational Exponents; Exponential and Logarithmic Functions; Rational Functions; Quadratic Relations and Conic Sections; Sequences and Series; Probability and Statistics; Periodic Functions and Trigonometry; Trigonometric Identities and Equations.

A.P. Precalculus - MAT402A/MAT402B

Grades 10, 11, 12 / 2 semesters / 1 credit

Prerequisite: Algebra II (strongly recommended) or Algebra II Essentials

This class is recommended for math students who are going on to study Calculus or into fields that require math or science. It is intended to provide students with the critical-thinking skills and mathematical know-how needed to be successful in Calculus. Students examine the fundamental structure of mathematics as a system. Emphasis is placed on the rule of four: a balance among the algebraic, numerical, graphical and verbal methods of representing problems. Graphing technology will be integrated throughout the course and it is recommended that the student have a TI 83 or its equivalent to use in Precalculus.

Topics of Study: Functions and Graphs; Polynomial, Power, and Rational Functions; Exponential, Logistics, and Logarithmic Functions; Trigonometric Functions; Analytic Trigonometry; Applications of Trigonometry; Systems and Matrices; Analytic Geometry in Two and Three Dimensions; Probability and Statistics.

Statistics - MAT500A/MAT500B

Grades 10, 11, 12 / 2 semesters / 1 credit

Prerequisite: Algebra II or Algebra II Essentials

Students will investigate real-world problems and learn to gather, display, interpret, find relationships among and evaluate data. Students will study probability and the role it plays in statistics. The students will use inference to draw conclusions about real-world situations. Students will use technology to aid them in their study of statistics.

Topics of Study: Uni-variate Data and Standard Normal Distributions; Experimental Design; Bi-variate Data including Regression and Correlation; Binomial Distributions/Probability; Distributions of Sample Means; Control Charts; Statistical Inference; P-values and Z-scores; Normal Distributions; t-Distributions; Chi-Squared Distributions; Inferences on Proportions.

A.P. Statistics - MAT501A/MAT501B

Grades 10, 11, 12 / 2 semesters / 1 credit

Prerequisite: Algebra II or Algebra II Essentials

This Statistics course choice is designed to challenge students through a depth of analysis, technology use, and application. In this way, students will be well prepared for the College Board AP Statistics Exam in May. Students will learn to investigate real-world problems and learn to gather, display, interpret, find relationships among and evaluate data. Students will study probability and the role it plays in statistics. The students will use inference to draw conclusions about real-world situations. Students will use technology to aid them in their study of statistics.

Topics of Study: Describing Data; Experimental Design; Regression and Correlation; Binomial Distributions/Probability; Sampling Distributions; Statistical Inference; P-values and Z-scores; Variance Analysis.

A.P. Calculus AB - MAT403A/MAT403B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisite: Precalculus

This course is equivalent to a Calculus 1 course at the college level with a focus on preparing students for the College Board AP Calculus AB Exam in early May. By earning a passing score on the AP Exam, a student may earn college credit for Calculus 1 with this course. The focus of the course is on theories, rules and applications of calculus. A graphing calculator will be used at times but restricted as well.

Topics of Study: Limits Continuity and Derivatives; Shortcuts to Differentiation; Applications using the Derivative; Antiderivatives and Integration; Constructing Antiderivatives; Applications using Integrals; Differential Equations and Slope Fields; Review for the College Board Exam.

A.P. Calculus BC - MAT404A/MAT404B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisite: Precalculus

This course is equivalent to the first two semesters of college level Calculus (i.e. Calc 1 and Calc 2). Students enrolled in this class must have a thorough comprehension of topics presented in previous math classes. They must also be adept problem solvers who are willing to commit to a rigorous and challenging course. The pace of the course is very fast so that students are prepared for the College Board AP Calculus BC Exam in early May. By earning a passing score on the AP Exam, a student may earn college credit for Calculus 1 and Calculus 2. The focus of the course is on theories, rules and applications of calculus. A graphing calculator will be used at times but restricted as well.

Topics of Study: Limits and Continuity; The Derivative (Interpretations and Rules); Applications of Derivatives; The Definite Integral (Meaning and Rules); Differential Equations; Applications of the Definite Integral; Parametric, Vector and Polar Functions; Sequences and Series; Review for the College Board Exam.

A.P. Computer Science Principles - MAT514A and MAT514B

Grades 10, 11, 12 / 2 semesters / 1 credit

Prerequisite: Algebra I

This course is equivalent to an introductory college computer science course and is designed to prepare students for the College Board's AP Computer Science Principles exam in May. It is an entry-level course that is entirely appropriate for students who have no prior experience with programming or computer science. At the same time, it includes concepts that will offer challenges for students who do have such prior knowledge. The course covers a broad range of topics including programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The structure of the course emphasizes collaboration and creativity and includes a variety of activities both on and off computers. Coursework includes a significant amount of reading and expository writing, as well as writing computer code.

SAT Math - MAT516

Grades 10, 11 / 1 Semester / 0.5 Credit

Prerequisite: Geometry

Students will use PSAT data to implement a plan to prepare for the math portion of the SAT. Students will work with a math teacher through group and individual intervention along with Khan Academy to improve their score. This is recommended for any student, regardless of past PSAT scores. Students will also work on post-secondary readiness decisions such as college and career focus, admissions searches, and scholarship applications.

Mathematics of Games - MAT518

Grades 9, 10, 11, 12 / 1 Semester / 0.5 Credit

Prerequisite: Geometry

This course will explore how math informs the design and play of a wide variety of games and puzzles. Topics include algorithms and how they can be applied to solve a Rubik's Cube, how set theory makes games like *Spot It!* work, how probability can predict how much you expect to lose at the casino, and much more. Classwork will involve investigations and hands-on activities, as well as reflections, quizzes, and projects.

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SCIENCE DEPARTMENT

Biology A - SCI100A

Grade 9 / .5 credit / **Required Class (or Agricultural Biology 101 A)**

This course is designed to gain an appreciation for the diversity and structures of living systems and the environment. Using laboratory experiences to enhance understanding of concepts, students will also gain experience in correct lab techniques, lab safety and lab reporting skills. The students will also gain experience writing, reading, and thinking as scientists.

Course Topics: Introduction to Biology: Use of the Microscope, The Scientific Method, Graphical Interpretation of Data, Characteristics of Living Things; Ecology: Population Dynamics, Pond Infusion Study - Long term study of microorganisms, succession, data collection & experimental study; Cells: A Unit of Life, Cell Membrane, Cellular Transport; Biomolecules: Macro and Micro Nutrients; Cellular Energy: Photosynthesis & Cellular Respiration

Biology B - SCI100B

Grade 9 / .5 credit / **Required Class (or Agricultural Biology 101 B)**

Prerequisite: Biology A

This course is designed to gain an appreciation for the diversity and structures of living systems and the environment. Using laboratory experiences to enhance understanding of concepts, students will also gain experience in correct lab techniques, lab safety and lab reporting skills. The students will also gain experience writing, reading, and thinking as scientists.

Course Topics: Cell Cycle: Mitosis, Meiosis, Cell Size, DNA Replication; Genetics: Mendelian Genetics, Genetic Variation, Protein Synthesis, Mutations; Changes Through Time: Natural Selection, Theory of Evolution, Diversity of Life, Earth's Physical & Biological Changes; Human Systems & Homeostasis

Chemistry 1A - SCI200A

Grade 10 / .5 credit / **Required Class**

Prerequisites: Biology - SCIENTIFIC CALCULATOR REQUIRED.

This course is designed to increase student awareness of the importance and relevance of Chemistry. Using laboratory experiences to enhance understanding of concepts, students will also gain experience in correct lab techniques, lab safety, and lab reporting skills.

Chemistry is aligned with the Michigan Next Generation Science Standards

Content Units: Atomic Structure, Bonding/Naming, Solids/Liquids/Gases, Qualitative Chemical Reactions

Chemistry 1B - SCI200B

Grade 10 / .5 credit / **Required Class**

Prerequisite: Chemistry 1A SCIENTIFIC CALCULATOR REQUIRED.

This course is designed to increase student awareness of the importance and relevance of Chemistry. Using laboratory experiences to enhance understanding of concepts, students will also gain experience in correct lab techniques, lab safety and lab reporting skills.

Content Units: Quantitative Chemical Reactions, Gas Laws, Environmental Chemistry, Nuclear.

Physics A - SCI300A

Grades 11,12 / .5 credit / **Required Course (or Physical Science A)**

Prerequisites: Biology, Chemistry, Algebra II

Recommended: Precalculus (can be taken concurrently)

This course is designed to introduce upper level high school students to both the qualitative and quantitative methods used by scientists and engineers in describing and understanding natural phenomena in our physical world. We will strike a balance between emphasizing the principles and concepts of physics and the solutions of the problems.

Although this is a science course, mathematics is used extensively as a tool to quantify and describe precisely the physics

we are studying. Math through Algebra/Trig or Precalculus is a prerequisite to this course since you must be proficient at solving equations, graphing, and solving right triangle trigonometry problems.

Units Covered: Linear Motion of Objects; Forces and Vectors; Motion in Two Dimensions; Work and Energy; Momentum and Collisions

Physics B - SCI300B

Grades 11, 12 / .5 credit / **Required Course (or Physical Science B)**

Prerequisite: Physics A

This course is designed to introduce upper level high school students to both the qualitative and quantitative methods used by scientists and engineers in describing and understanding natural phenomena in our physical world. We will strike a balance between emphasizing the principles and concepts of physics and the solutions of the problems.

Although this is a science course, mathematics is used extensively as a tool to quantify and describe precisely the physics we are studying. Math through Algebra/Trig or Precalculus is a prerequisite to this course since you must be proficient at solving equations, graphing, and solving right triangle trigonometry problems.

Units: Thermodynamics; Universal Gravitation; Simple Harmonic Motion; Magnetism Waves, Sound Light, Electricity

Physical Science A - SCI117A

Grade 11 / .5 credit / **Required Course (or Physics A)**

This course is an instructional based course with labs integrated into each unit. Students will gain knowledge and skills in the fields of science, technology and natural resources. Physical Science A focuses primarily on the essential Physics objectives from the Michigan Science Standards.

The major topics covered in this course will be: Metric System; Lab Techniques; Motion, Speed, Velocity and Acceleration; Forces; KE and PE; Heat and Energy; Wave mechanics; Light and Sound.

Physical Science B - SCI117B

Grade 11 / .5 credit / **Required Course (or Physics B)**

Prerequisites: Physical Science A

This course is an instructional course with labs integrated into each unit. Students will gain knowledge and skills in the fields of science, technology and natural resources. Physical Science B focuses primarily on the Earth Science objectives from the Michigan Science Standards along with integrating chemistry, biology, and physics.

The major topics covered in this course will be: Metric System; Lab Techniques; Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability.

A.P. Biology - SCI108A/SCI108B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisites: Biology A/B, Chemistry A (Chemistry B recommended)

NOTE: If taken junior year, Physics, AP Physics, or Physical Science must be taken concurrently or senior year.

AP Biology is a course designed to provide juniors and/or seniors with a year long college biology course. The goal is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. As a college level course, the amount of material covered as well as the complexity of the topics will be high.

Topics Covered: Molecules and Cells; Heredity and Evolution; Organisms and Populations

A.P. Chemistry - SCI206A/SCI206B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisites: Successful completion of Chemistry A/B
SCIENTIFIC CALCULATOR REQUIRED.

NOTE: If taken junior year, Physics, AP Physics, or Physical Science must be taken concurrently, **or** a Physics class must be taken senior year.

AP Chemistry is a college level Chemistry class for students who plan on a career path in the sciences. Completion of both semesters of Chemistry is a prerequisite, as the pacing of the class does not allow for teaching basic Chemistry concepts.

The topics covered in this class are normally covered in a year long college Chemistry class; the class is very difficult and fast-paced. Only those students with a strong work ethic and a commitment to excellence should enroll. Also, strong mathematics and problem solving skills are imperative to success in this course.

Topics covered will include, but are not limited to: Atomic Theory and Structure; Chemical Bonding; Nuclear Chemistry; Gas Laws; Liquids and Solids; Solution Chemistry; Reaction Types; Stoichiometry; Equilibrium; Kinetics; Thermodynamics; Descriptive Chemistry; Organic Chemistry; Periodic Relationships

A P. Physics 1 - SCI312A/SCI312B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisites: Biology, Chemistry A, Precalculus (can be taken concurrently)

AP Physics 1 is an algebra and trigonometry based college level physics class offered to juniors and seniors. The topics covered in this class are covered in a first semester college physics course with an emphasis on laboratory experiences and data analysis. Only strong science and math students who are good at problem solving should take this class.

The course covers a broad spectrum of topics in Physics including: Newtonian Mechanics, Work, Energy and Power, Waves and Sound, and Electric Circuits.

A.P. Physics 2 - SCI314A/SCI314B

Grades 11, 12 / 2 semesters / 1 credit

Prerequisites: Biology A/B, Chemistry A, Algebra II, AP Physics 1 (can be taken concurrently)

Recommended: Precalculus (can be taken concurrently)

AP Physics 2 is an algebra and trigonometry based college level physics class offered to juniors and seniors. The topics covered in this class are covered in a second semester college physics course with an emphasis on laboratory experiences and data analysis. Only strong science and math students who are good at problem solving should take this class.

The course covers a broad spectrum of topics in Physics including: Fluid Mechanics, Thermodynamics, Electricity and Magnetism, Optics and Atomic and Nuclear Physics.

A.P. Physics C - SCI316A/SCI316B

Grade 12 / 2 semesters / 1 credit

Prerequisites: Biology A/B, Chemistry A, Calculus or AP Calculus (can be taken concurrently)

AP Physics C is a calculus based college level physics class offered to seniors. Regular physics or AP physics taken first would be very helpful and is encouraged. The topics covered in this class are covered in a two-term sequence of College Engineering Physics. It is difficult and fast-paced. Only strong science and math students who are good at problem solving should take this class.

The topics covered in this course are: Newtonian Mechanics including Kinematics, Dynamics, Work, Energy and Power, Systems of Masses, Momentum, Rotational Motion, Oscillations and Gravitation, Electrostatics and Electric Circuits,

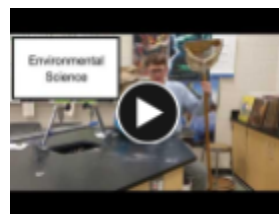
Magnetic Fields and Electromagnetic Theory.

Environmental Science - SCI506

Grades 10, 11, 12 / .5 credit

Prerequisite: Biology A/B

The course explores the physical and biological processes that are present on our planet and how they interact.



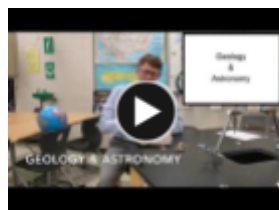
Students will work to understand the human role in sustainability and how that relates to concepts such as: resources, energy, population dynamics, ecosystems, and pollution. Students will also gain an extensive knowledge of the plants and animals that occupy our high school campus, community, and state.

Geology & Astronomy - SCI610

Grades 10, 11, 12 / .5 credit

Prerequisite: Biology A/B

This course will focus on planet earth and the processes that shape it, as well as the universe that surrounds us.



Topics: Earth's Materials: minerals, rocks, resources; Surface Processes: weathering, erosion, glaciers; Dynamic Earth: plate tectonics, earthquakes, volcanoes; Historical Geology: fossils, time periods, relative and radiometric dating; Solar System: planets and moons; The Sun and Stars: structure and solar activity, stellar life cycle, black holes; Galaxies and the Universe.

Human Anatomy & Physiology I - SCI612A

Grades 10, 11, 12 / .5 credit

Prerequisite: Biology A/B

The class deals with the structure and function of the human body. Course Topics: Anatomical Terminology; Integumentary System; Skeletal System; Muscular System; Nervous System

Human Anatomy & Physiology II - SCI612B

Grades 10, 11, 12 / .5 credit

Prerequisite: Biology A/B Human Anatomy and Physiology I

Human Anatomy course focuses on tissues, the integumentary system, and the skeletal system with an introduction to the muscular system. Human Anatomy and Physiology 2 will expose students to the internal organ systems (Endocrine, Cardiovascular, Respiratory, Digestive and Urinary Systems)

Microbiology - SCI106

Grades 10, 11, 12 / .5 credit

Prerequisites: Biology A/B

This course is designed to gain an understanding and an appreciation for the role microorganisms play in our daily lives. This is a lab-based class, as you will learn various techniques for studying, growing, and observing microbes. Many days will be spent working in the lab.

Course Topics: An Introduction to Microbial Life; The Bacterial World; The Microbial World

Forensic Science - SCI508

Grades: 11, 12 / .5 credit

Prerequisites: Biology A/B, Chemistry A

Forensic Science is an upper-level course rich in exploration and lab investigation which applies many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes. This course also encourages students to think critically and logically.

Course Topics: Crime Scene Basics, Trace Evidence, Blood Evidence, Ballistics, and Fingerprinting.

Exercise Science - SCI400

Grades: 11, 12 / .5 credit

Prerequisite: Biology A/B

This course studies the scientific principles underlying physical activity and exercise. Students will explore the human body's response to physical stress, the mechanics of movement, and the psychological and nutritional factors that influence performance. Through a combination of classroom instruction, laboratory experiments, and practical applications, students will develop a comprehensive understanding of exercise science. This knowledge will empower them to make informed decisions about their own health and fitness, as well as prepare them for potential careers in fields such as athletic training, physical therapy, and sports medicine.

Agriculture Career & Technical Education (CTE) Program

Possible MSU Credits- *Students must complete one of each level class (101, 102 & 103); in addition to earning their State FFA Degree in order to earn/qualify for 6 MSU credits.*

Agricultural Biology 101 - SCI110A/SCI110B

Grade 9 / .5 credit

Science Credit: Freshman Biology credit

This course is designed to gain an appreciation for biological processes and systems through scientific inquiry, reflections and social implications in the areas of agriculture, food and natural resources. Students will explore principles of biology along with cellular biology, organic chemistry, cell growth, and biochemical processes. Students will conduct scientific investigations as well as record keeping, leadership, and written communication skills throughout the course.

Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

Food Science 101 - SCI520

Grades 9, 10, 11, 12 / .5 credit

Elective Science Class

[Food Science 101 Syllabus](#)

Students will explore the food industry from perspectives such as history, government role, safety, processing, nutritional value, preservation, packaging, chemistry, and careers. Instruction will emphasize an experiential approach toward the application of scientific principles in the food industry context. Application of biology, chemistry and physics will be demonstrated through labs and class projects.

Students will focus on the food science industry, review chemistry concepts related to food science, quality factors and processing operations in food science. A unit of how food is evaluated will allow students to learn what factors affect customer acceptance as well as how to use the scientific procedures to improve food related issues. Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

Food Science 102 – SCI522

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Food Science 101 or Agricultural Biology A&B 101 or a concurrent request within the same academic year.

Elective Science Class

[Food Science 102 Syllabus](#)

Students will explore the food industry from perspectives such as history, government role, safety, processing, nutritional value, preservation, packaging, chemistry, and careers. Instruction will emphasize an experiential approach toward the application of scientific principles in the food industry context. Application of biology, chemistry and physics will be demonstrated through labs and class projects.

Students will focus on the biology, chemistry and nutrition of the food industry. Specific areas of study will include carbohydrates, lipids, proteins, vitamins and minerals, water, food additives, alternative diets as well as meal planning. The students will evaluate foods and the effects they have on the human body, investigate principles of the nutrition labels and learn to make decisions in consuming various types of foods. Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

Animal Science 102 - SCI516

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Food Science 101 or Agricultural Biology 101 A&B or a concurrent request within the same academic year.
Elective Science Class

Students will explore the veterinary science industry with studies in animal roles in society, animal science principles and management of food, pleasure and research animals. Application of biology, chemistry and physics will be demonstrated through labs and class projects. An in-depth analysis of the anatomy and physiology of animal species will be the primary focus of the course. Topics will include: medical terminology, comparative anatomy, physiology, clinical procedures, disease and parasitology. Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

Food Science 103 - SCI524

Grades 10, 11, 12 / .5 credit

Prerequisite: Food Science 101 or Agricultural Biology A&B 101 or a concurrent request within the same academic year.
Elective Science Class

Students will explore the food industry from perspectives such as history, government role, safety, processing, nutritional value, preservation, packaging, chemistry, and careers. Instruction will emphasize an experiential approach toward the application of scientific principles in the food industry context. Application of biology, chemistry and physics will be demonstrated through labs and class projects.

Students will continue their study of food science with units on biotechnology, microorganisms, fermentation, chemicals, and specific food types. A unit on agricultural production will lead to specific studies in food groups including milk, meat, poultry, eggs, fish, grains, fruits and vegetables. The final unit will allow students to connect all aspects of the food science class by evaluating foods from farm to fork. Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

Plant Science 103 - SCI518

Grades 10, 11, 12 / .5 credit

Prerequisite: Food Science 101 or Agricultural Biology 101 A&B or a concurrent request within the same academic year.
Elective Science Class

Course content will focus primarily on Horticulture, Natural Resources and human use of plants to modify the environment. Instruction will emphasize an experiential approach toward the application of scientific principles in an agricultural context. Students will begin the course with a general overview of botany with plant anatomy, classification and physiology. Following units will investigate genetics and propagation, plant nutrition, soils, pathogens, pest management, and the fields in the industry.

Students will explore natural resources with studies in soils, forestry, energy, wildlife, water and land use planning, with an application of biology, chemistry and physics demonstrated through labs and class projects. Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

Agri Independent Study 104 - SCI526B

Grade, 10, 11, 12 / .5 credit

Prerequisite: Agriscience CTE 101 & 102 level course or a concurrent request within the same academic year.
Elective Class / [Application](#) and Principal/Teacher Approval Required

An Agricultural focused Independent Study allows a student to learn about a subject that aligns with their academic and career goals, one that is not offered as a course at CHS. Students work independently with one of the Ag CTE instructors to develop a plan for assessment and learning. Participation in FFA Leadership and Career Development Events at the local and state level will reinforce class activities.

***Students must fill out an application online or in Student Services.

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SOCIAL STUDIES DEPARTMENT

World History- SOC100A/SOC100B

Grade 9 / 1 credit / 2 semesters / **Required Course**

Prerequisite: Successful completion of 8th grade Social Studies Classes

SOC100A:

The Emergence of the First Global Age, An Age of Global Revolutions, 15th to 18th Centuries

Growth of Nationalism and Nation-states, 18th Century-1914, Industrialization & Imperialism.

SOC100B:

Global Crisis and Achievement, 1900-1945, WWI, Global Depression & WWII

The Cold War and Its Aftermath, 20th Century since 1945, Contemporary Global Issues

A.P. World History - SOC310A/SOC310B

Grade 9, 10, 11, 12 / 1 credit / 2 semesters

Suggested Prerequisite: High grade proficiency in Middle School Social Studies & ELA courses, Middle School Social Studies teacher recommendation preferred.

This course takes the place of both semesters of required World History for freshmen.

The purpose of the Advanced Placement World History course is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This course is to prepare students to take the AP Exam for World History. This course is taught on a college level and it requires a substantial amount of reading, writing, speaking and preparation for every class. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. This course is for students capable of doing work in history at the college level.

NOTE: This course takes the place of World History A & B.

In order to be placed into the AP World History class, the [AP World History Contract](#) must be signed and returned to your 8th grade Social Studies Teacher by Friday February 3rd. If a current High School student please give signed contract to Mr. McCombs no later than February 3rd.

[College Board AP World History Modern course description](#)

A.P Human Geography - SOC430A/SOC430B

Grades 9,10,11,12/ 1 credit/ 2 semesters

Prerequisites: There are no prerequisites for AP Human Geography. Students should be able to read college level texts and write grammatically correct, complete sentences.

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). [College Board AP Human Geo Course Description](#)

U.S. History - SOC206A/SOC206B

Grade 10 / 1 credit / 2 semesters-**Required Course**

U.S. History A offers a chronological and thematic overview of America's Industrial Revolution through WWI. U.S. History B offers a chronological and thematic overview of America's past starting with the Great Depression through current events in American history.

A.P. United States History A, B - SOC204A/SOC204B

Grades 10, 11, 12 / 1 credit / 2 semesters

Prerequisite: World History or A.P. World History.

The Advanced Placement U.S. History class is designed to provide students with the critical thinking skills, analytical skills and factual knowledge necessary to deal with the problems and materials in United States History. The express purpose of this course is to prepare students to take the AP Exam for U.S. History. This course is taught on a college level and it requires a substantial amount of reading, writing, and preparation for every class. Since this is a college level class, grading will be weighted.

In order to be placed into the APUSH class, [APUSH Contract Link](#) must be signed and returned to Mrs. Uyl.

[College Board AP US History course description](#)

NOTE: This course takes the place of U.S. History A & B.

Government - SOC300

Grade 11 / .5 credit / 1 semester /**Required Course**

Prerequisite: World History, U.S. History (formerly American History)

This course is intended to give students a general knowledge of the theory and history behind American government. This course will also allow students to understand the functionality of American Government and how to participate in the government.

Economics - Principles in Action - SOC304

Grades 11, 12 / .5 credit / 1 semester /**Required Course**

Course content will focus on the study of economic behavior and decision making of individuals and corporations. Students will gain knowledge in production, distribution, and consumption of goods and services. This course will also concentrate on the study of economic behavior and decision making of an entire economy. Students will gain knowledge about the global economy and measurements of economic performance.

A.P. Microeconomics - SOC428

Grades 11,12 /.5 credit/1 semester

Prerequisite-none

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. -College Board

A.P. Macroeconomics - SOC429

Grades 11,12 / .5 credit/1 semester

Prerequisite-none

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. -College Board

A.P. U.S. Government & Politics A/B - SOC308A/SOC308B

Grades 11, 12 / 1 credit / 2 semesters

Prerequisite: World History, U.S. History (formerly American History)

This course takes the place of 1 semester of required American Government for juniors, or can be taken as an elective by a senior who has completed the semester of required American Government successfully.

This course explores the political theory and everyday practices that direct the daily operation of our government and shape our public policies. The express purpose of this course is to prepare students to take the AP Exam for U.S. Government and Politics. The course is for all intents and purposes taught on a college level and it requires a substantial amount of reading and preparation for every class. The objectives of this course goes beyond a basic analysis of how our government works. Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens.

America at War - SOC416

Grades 10, 11, 12 / .5 credit / 1 semester

Prerequisite: None

[America at War Syllabus](#)

America at War will cover specific major wars/conflicts the United States has been involved in including the current conflicts. Possible wars/conflicts that will be covered include: Afghanistan, Iraq, Vietnam, Korea, and WWII. Students will also have the opportunity to study a conflict of their choice. Military history and military background information will also be studied such as the Medal of Honor, branches of the military and ranks, and the Department of Defense. **The focus of the class will surround the contribution and experiences of past and current military personnel.**

Sociology A - SOC426

Grades 10, 11, 12 / .5 credit / 1 semester

Sociology is an interdisciplinary course encompassing the disciplines of anthropology, psychology, and sociology. These disciplinary perspectives offer different but complementary views of people.



In order to understand, predict or influence human behavior, one needs understanding of how humans develop, the problems they confront, the organization or structure in which they function, and how and why these go awry. Specific topics that will be covered include components of behavioral studies, socialization, group dynamics, deviance, social organizations and current social issues. Sociology will also focus on social research methods/field study, women and

minorities, family, population and urbanization, aging/death and dying, collective behavior and social movements, and current social issues.

Sociology B - SOC426B

Grades 10, 11, 12 / .5 credit / 1 semester

Prerequisite of a passing grade in Sociology A

Sociology is an interdisciplinary course encompassing the disciplines of anthropology, psychology and sociology. These disciplinary perspectives offer different but complementary views of people.

Building on the concepts from Sociology A, students will delve into research methods, gender, ethnicity, and ageism among other topics in Sociology B.

Psychology - SOC413

Introduction through Perception & Motivation through Disorders

Grades 10, 11, 12 / .5 credit / 1 semester

Introductory Psychology is the study of human behavior and covers the following topics/units/chapters:

- Introduction/Science of Psychology
- Brain and Nervous System
- Sensation and Perception
- Consciousness/Sleep/Altered States,
- Learning, Memory, Cognition/Cognitive Devp/Language
- Psychological Disorders
- Social Psychology, Motivation and Emotion.



A.P. Psychology A/B - SOC415A/SOC415B

Grades: 10, 11, 12 1 credit / 2 semesters

AP Psychology covers the following units/topics per the college board AP Psychology Course and Exam description:

- Biological Basis of Behavior (Brain Nervous System, Sensation, Sleep)
- Cognition (Perception, Thinking and Intelligence, Memory)
- Development and Learning (Development Across the Lifespan, Learning and Language)
- Social Psychology and Personality (Social Psychology, Motivation and Emotion)
- Mental and Physical Health (Stress and Health, Psychological Disorders, Psychological Therapies)

AP Science Practices include Concept Application, Research Methods/Design, Data Interpretation, Argumentation. A main goal of AP Psych is to prepare students for the AP Exam.

Global Issues - SOC422

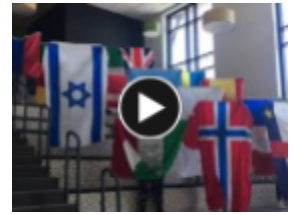
Grades 10, 11, 12 / .5 credit / 1 semester

Global Issues is a course designed to give students an opportunity to think critically about 21st century issues and how nations deal with them. Subjects include, but are not limited to, terrorism, genocide, human rights, refugees, immigration and the environment. Students are expected to examine the history of and analyze government policy on these issues, as well as how policy impacts foreign relations. Students will examine multiple perspectives on the issues and participate in regular discussions.

Ethnic Studies - SOC418

Grades 9, 10, 11, 12 / .5 credit/1 semester

Ethnic Studies will explore the diversity that exists among us through various projects, discussions, speakers and videos. This course will help students to understand the many diverse ethnic groups, which comprise our nation and the challenges that each group faces within our nation.



Students will understand how and why these groups immigrated to America, and the impact that this immigration has had on our country. They will define prejudice and racism, and how these have affected us as Americans, past and present. Students will learn an understanding and appreciation of other cultures through the study of each of the following groups: Asian Americans; European Americans; African Americans; Native Americans; Hispanic Americans.

Mock Trial I: Foundations of Law - SOC424

Grades 9, 10, 11, 12 / .5 credit / 1st semester

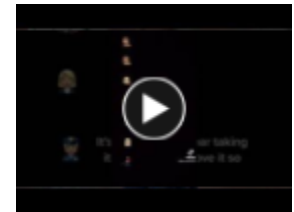
Mock Trial I is an introductory level course teaching students the basics of Criminal and Civil cases. Students are provided with case materials that include witness statements and evidence of a committed crime. Students learn how to take witness statements and evidence and create a case to bring to trial. Students work with a classroom teacher and local attorneys to learn the material and how to develop, argue, and present a successful case in court. Students collaborate in teams to develop a final version of their case. Students will present their case and compete against another law team in class. Mock Trial I is a prerequisite for Mock Trial 2: Competition Class..

Mock Trial 2: Competition Class - SOC425

Grades 10, 11, 12 / .5 credit /2nd semester

Prerequisite: Mock Trial 1 or previously taken Trial Techniques (Mock Trial 2)

In this course, students will use the information learned in Mock Trial I and will apply it to a new case provided by the Michigan Center for Civic Education. The students will work with the new case material to collaboratively develop an argumentative case that will be competitively presented. Students will argue their case against other school teams in the greater Grand Rapids area and compete in the Michigan Center for Civic Education's Annual Mock Trial Competition.



This class offers a unique opportunity for students to learn about the legal system and the challenges of bringing a case to trial. This is a great opportunity for all students, whether they are interested in pursuing a career with law or law enforcement or not. All students gain knowledge in working within teams, critical thinking, public speaking, reasoning, and performing under pressure.

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SPECIAL EDUCATION DEPARTMENT

Encore 9 - GEN320A/GEN320B

Grade 9 / 2 semesters / 1 credit

Prerequisite: Student Services Office Approval

Encore is designed for students with an IEP to receive specialized instruction and support for ELA, Math, Science, and/or Social Studies.

Instructional activities may include the following:

ELA: reading, discussion about texts assigned in various course(s), comprehension strategies, the writing process, pre-teaching vocabulary, and re-teaching literary concepts from assessments.

MATH: pre-teaching, reviewing and re-teaching math course concepts, problem-solving strategies and practice, and pre-teaching vocabulary.

SCIENCE and SOCIAL STUDIES: pre-teaching, reviewing and re-teaching science/social studies course concepts, pre-teaching vocabulary, comprehension strategies, supports to efficiently access texts.

The classes that we will focus our support on include English 9, Algebra 1, World History, and Biology.

Encore 10 - GEN322A/GEN322B

Grade 10 / 2 semesters / 1 credit

Prerequisite: Student Services Office Approval

Encore is designed for students with an IEP to receive specialized instruction and support for ELA, Math, Science, and/or Social Studies.

Instructional activities may include the following:

ELA: reading, discussion about texts assigned in various course(s), comprehension strategies, the writing process, pre-teaching vocabulary, and re-teaching literary concepts from assessments.

MATH: pre-teaching, reviewing and re-teaching math course concepts, problem-solving strategies and practice, and pre-teaching vocabulary.

SCIENCE and SOCIAL STUDIES:: pre-teaching, reviewing and re-teaching science/social studies course concepts, pre-teaching vocabulary, comprehension strategies, supports to efficiently access texts.

The classes that we will focus our support on include English 10, Geometry, American History, and Chemistry.

Encore 11 - GEN324A/GEN324B

Grade 11 / 2 semesters / 1 credit

Prerequisite: Student Services Office Approval

Encore is designed for students with an IEP to receive specialized instruction and support for ELA, Math, Science, and/or Social Studies.

Instructional activities may include the following:

ELA: reading, discussion about texts assigned in various course(s), comprehension strategies, the writing process, pre-teaching vocabulary, and re-teaching literary concepts from assessments.

MATH: pre-teaching, reviewing and re-teaching math course concepts, problem-solving strategies and practice, and pre-teaching vocabulary.

SCIENCE and SOCIAL STUDIES:: pre-teaching, reviewing and re-teaching science/social studies course concepts, pre-teaching vocabulary, comprehension strategies, supports to efficiently access texts.

The classes that we will focus our support on include 11th grade English classes, Algebra II, Government / Econ, and Physical Science.

Encore 12 - GEN326A/GEN326B

Grade 12 / 2 semesters / 1 credit

Prerequisite: Student Services Office Approval

Encore is designed for students with an IEP to receive specialized instruction and support for ELA, Math, Science, and/or Social Studies.

Instructional activities may include the following:

ELA: reading, discussion about texts assigned in various course(s), comprehension strategies, the writing process, pre-teaching vocabulary, and re-teaching literary concepts from assessments.

MATH: pre-teaching, reviewing and re-teaching math course concepts, problem-solving strategies and practice, and pre-teaching vocabulary.

SCIENCE and SOCIAL STUDIES:: pre-teaching, reviewing and re-teaching science/social studies course concepts, pre-teaching vocabulary, comprehension strategies, supports to efficiently access texts.

The classes that we will focus our support on include 12th grade English classes and Algebra II.

Transition Based Instruction - GEN280A/GEN280B

2 semesters / 1 credit

Prerequisite: Student Services Office Approval

This class is designed to help students gain the skills needed to be successful at KTC/KCTC. Areas covered include discovering your strengths and interests, assessing and acquiring employability skills, understanding the job market, and gaining and maintaining employment.

Functional Academics - GEN284A/GEN284B

2 semesters / 1 credit

Prerequisite: Student Services Office Approval

This class is designed to help students gain the skills needed to be successful at KTC/KCTC. The focus of this class is on math in the workplace, while at the same time utilizing math calculation and problem solving skills. Areas covered include decimals, percents, fractions, ratios/proportions, unit conversions, and interpreting and analyzing graph information.

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GENERAL ELECTIVES

Leadership/Student Council - GEN402A or GEN402B

Grades 9, 10, 11, 12 / .5 credit

Prerequisite: Application only

NOTE: 2 Semesters with Instructor Approval Only

Applications are available online only at: [Student Council Application](#)



This class is designed for students to learn and practice leadership skills. The class uses Experiential Learning techniques (learning by doing), and therefore requires students to be highly motivated and willing to learn in a non-traditional environment. Students will be responsible to report out all activities, projects, athletics, etc. to the Board of Education. Student Council's primary focus is school events, including Homecoming, blood drives, staff appreciation, Winterfest, and other school and community projects as planned by the class and approved by the Administration. The class frequently includes time commitments outside of the normal school day; please see Mr. Durkee if you have questions about these commitments.

Topics of study for leadership will include: fundamentals of leadership, relationships, goal setting, organization, ethics and leadership, self awareness, problem solving, and personal growth.

Because Leadership/Student Council is an elective and the class is responsible for organizing and completing many school and community activities, the most important qualifications are responsible behavior, willingness to work and learn

in a group setting, and the ability to sacrifice personal desires for the betterment of the larger group.

Dual Enrollment - GEN132A or GEN132B

Grades 9, 10, 11, 12 / .5 credit earned per semester

Students have the opportunity to take non-traditional classes through Dual Enrollment.

Tuition & Fees: If a student meets all requirements for taking a class, Caledonia District will pay for the class tuition, up to an amount that is calculated at the beginning of each school year. If a student drops a course before the drop and add period and after payment has been made by Caledonia District, any refundable monies will be made to the district. If a student drops a course beyond the time during which the postsecondary institution will refund the school district, the student is responsible for repaying the school district the full cost of the course.

***Students must fill out an application [online via our website](#).

Credit: Eligible students have the option of receiving .5 credit on their high school transcript, or just post-secondary credit. If listed on their high school transcript, the grade will also be calculated into their GPA. The student must make this decision at the time of application.

Dual Enrollment classes are those classes that are taught at a postsecondary institution (ie GRCC, Aquinas, Calvin, etc.). In order to qualify, students must have a qualifying cut score on either the PLAN or PSAT.

***Students must see their counselor and fill out an application in Student Services.

Independent Study - GEN130A or GEN130B

Grades 11, 12 / .5 credit

Prerequisite: [Application](#) and Principal/Teacher Approval Required

By special arrangement with a teacher and through application, you may elect this class to study, in-depth, a topic of interest to you in an area the teacher is certified in. You must, in conjunction with the teacher, complete a detailed application, create an outline of what you intend to study, deadlines, etc. The principal will either accept or deny the proposal.

***Students must fill out an application online or in Student Services.

LaunchU

Grades 10, 11, 12 / 2 semesters / 4 hours per semester / 1.5 credits per semester

Description

Kent Career Tech Center

Grades 11, 12 / 2 semesters / 3 hours per semester / 1.5 credits per semester

Elective Course – Students interested in taking any of these KCTC options MUST complete a visit before enrollment can be completed. See your counselor in Student Services to make arrangements.

Approximately 35 skill areas are offered at the Career Tech Center. Students are at the center 2 hours and 15 minutes of class time every day and earn 3 credits per year for courses successfully completed. Signup and registration are completed when scheduling for 11th and 12th grades. Students must complete a visit before they can sign up for a course. *Tuition is free to all high school students. Graduates pay \$200 per course.

*Students must be in the 11th grade and be 16 years of age by December 1 of the year of enrollment

*Credit is granted by the sending school. One session at KCTC equals three one-hour classes at the sending school. Credit will be adjusted for 3rd session students.

1st session 6:55 a.m. to 9:10 a.m.

3rd session 12:00 p.m. to 2:15 p.m.

Please be aware:

*First session bus leaves CHS at 6:00 a.m. You will need a ride to CHS.

*Attendance is a huge issue at KCTC. If you are in the first session class, and you have a part-time job, you can't work late.

*When there are school activities going on (ie. Homecoming, winterfest etc.), you may be excused, for one school-related day, so you can participate in the school activities. To see options offered at the Kent Career Tech Center, go to thetechcenter.org

STUDENTS INTERESTED IN KENT CAREER TECHNICAL CENTER OFFERINGS SHOULD SEE THEIR COUNSELOR - MS. BURK, MRS. HILASKI, MR. CLAUSEN, OR MR. HOFFMAN FOR MORE INFORMATION AND TO SET UP AN INTERN VISIT. CALEDONIA HIGH SCHOOL WILL PROVIDE BUS TRANSPORTATION TO THE MAJOR FACILITY ON THE EAST BELTLINE ONLY. WE WILL ALSO PROVIDE TRANSPORTATION FROM THAT FACILITY BACK TO CHS. GETTING TO CHS BY 6:00 A.M. TO CATCH THE KCTC BUS AND GETTING HOME AFTER THE BUS DROPS YOU OFF AT CHS AT THE END OF THE DAY, IS THE RESPONSIBILITY OF THE STUDENT/PARENT.

***Students must see their counselor and fill out an application in Student Services.

LINKS - GEN138A or GEN138B

Grades 9, 10, 11, 12 / .5 credit per semester

LINKS is about creating connections within a diverse group of students and ensuring that all students are acknowledged for what makes them different and what makes them the same as their peers. The student enrolled in the LINKS course will be a mentor, role model, and friend to a student with a disability. In this role, the LINKS Program students will be with their assigned peer a minimum of one class period per day, and they will be interacting with their peers during social activities during the entire school day. In addition to being a mentor, role model, and friend, they will assist the peer student in such things as appropriate classroom behavior, organization of assignments and supplies, and focusing on what the teacher is presenting or the classroom activities.

The LINK student will attend monthly Case Conferences to discuss the progress of his/her peer student, and contribute ideas on how to more effectively help the peer student progress toward his/her goals. During a normal school week, the LINK student will also be required to complete weekly disability awareness lessons using an online classroom environment. The LINK will learn more about the causes and prevalence of many common disabilities, methods/techniques for working with individuals with disabilities, developing social networking supports, and developing a social climate of awareness, acceptance, and inclusion.

Online Learning - GEN134A or GEN134B

Grades 9, 10, 11, 12 / .5 credit per semester

Applications for online courses (21F) must be made prior to the school year in which the course will be taken, or your request may not be granted. Complete information is required for registration.

Students have the opportunity to take online classes through Michigan Virtual High School, or a correspondence course. Eligible students will receive a half credit and the grade assigned by the Michigan Virtual High School teacher, on their transcript. This grade will be added into their GPA.

Students who fail the final exam for an online course may not be allowed to take further courses online.

Students who receive a C- or below may not be allowed to take another online course.

Students should go to MIVHS.org for course information. ***Students must fill out an [application](#) in Student Services.

Compass 9, 10, or 11/12 A, B

9th Grade - GEN236A / GEN236B

10th Grade - GEN238A / GEN238B

11th / 12th Grade - GEN242A / GEN242B

Grades 9, 10, 11, 12 / .5 credit per semester

Elective class / **Student Services Office Approval Needed**

9th graders will be placed based on need and parent permission.

There are a variety of life and academic skills that are the focus of this course. It is designed to equip students with the time, resources, support and skills necessary to be successful in high school and beyond. The course will challenge every student to maximize their learning potential. Students will receive instructional support in reading, math, make up work, study skills, and general school functioning issues.

The major outcomes of this course include:

- Developing strong work ethic
- Completing and turning in quality work
- Understanding appropriate time management
- Learning proper study habits
- Receiving academic assistance
- Setting future goals and exploring vocational and post-secondary options
- Improving interpersonal skills
- Promoting positive teacher/student relationships
- Encouraging students to get involved in school and community activities
- Mentoring opportunities

Instructional Practices - GEN234A or GEN234B

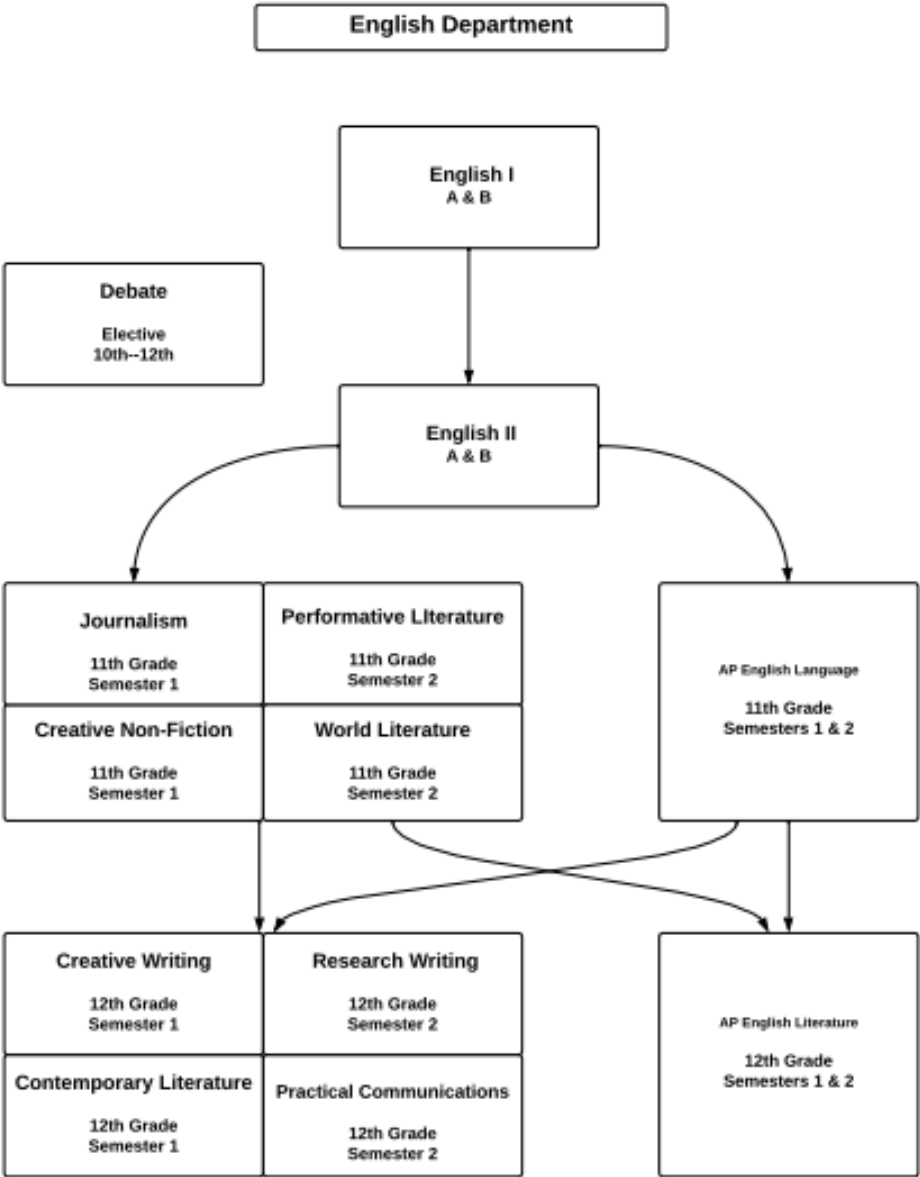
Grades 11, 12 / .5 credit per semester

Prerequisite: Instructor Approval **and** Referral by staff **and** application process

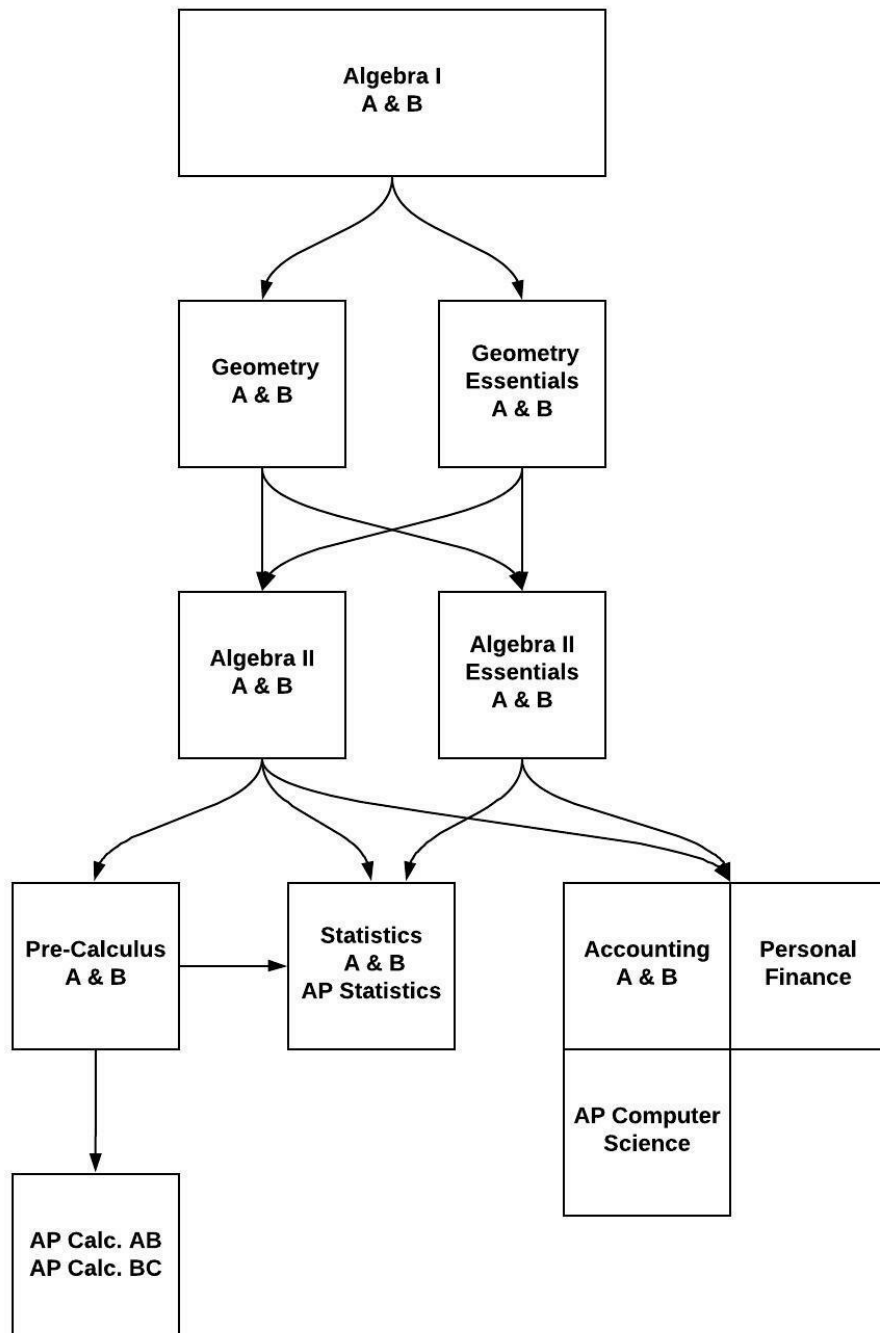
This class is designed for students to learn and practice the skills necessary to provide academic interventions to struggling learners and research-based educational interventions. The class will also provide instruction on how to appropriately deliver academic interventions to a wide range of learners and give foundational content on the strategies and components of becoming a teacher or work in the social services field. Students need to be highly motivated and outgoing. Students will be responsible to attend outside training to develop the skills necessary to provide interventions and tutoring support and participate in Google Classroom assignments and discussion boards outside of school. The primary focus of Instructional Practices is to assist struggling learners with academic support and to make social connections with the students they work with through learning and applying research-based interventions and strategies. The class may include time commitments outside of the normal school day.

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DEPARTMENT COURSE FLOWCHARTS



Mathematics Department



Science Department

**Biology
A & B**

**Agricultural Biology 101
A & B**

Chemistry A & B

**Physical Science
A & B**

**Physics
A & B**

Ag Science Electives

**Food Science 101
Food Science 102
Food Science 103
Animal Science 102
Plant Science 103
Agri Independent Study `05**

College Prep Sciences

**Human Anatomy I & II
Microbiology
AP Biology
AP Chemistry
AP Physics I
AP Physics II
AP Physics C
Chemistry 2
Environmental Science
Geology & Astronomy**

Agriculture CTE Plan

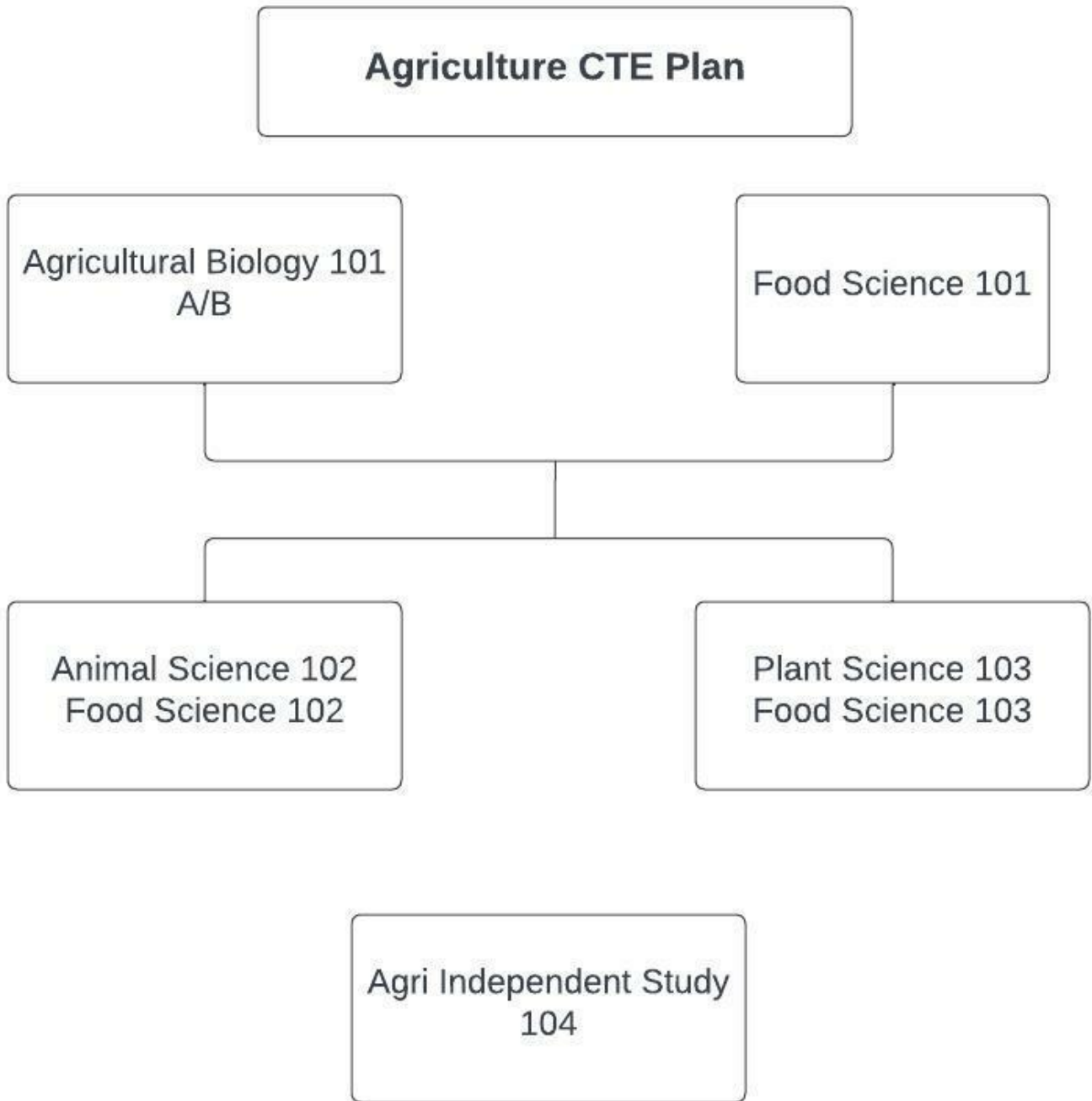
Agricultural Biology 101
A/B

Food Science 101

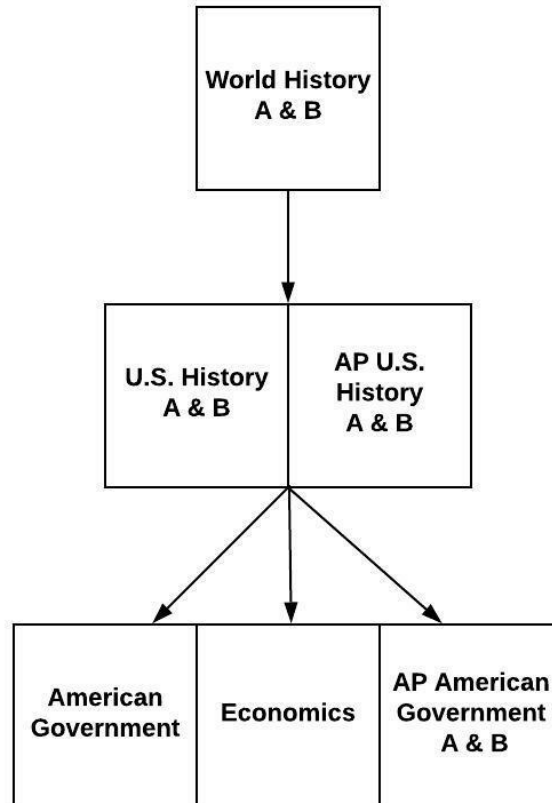
Animal Science 102
Food Science 102

Plant Science 103
Food Science 103

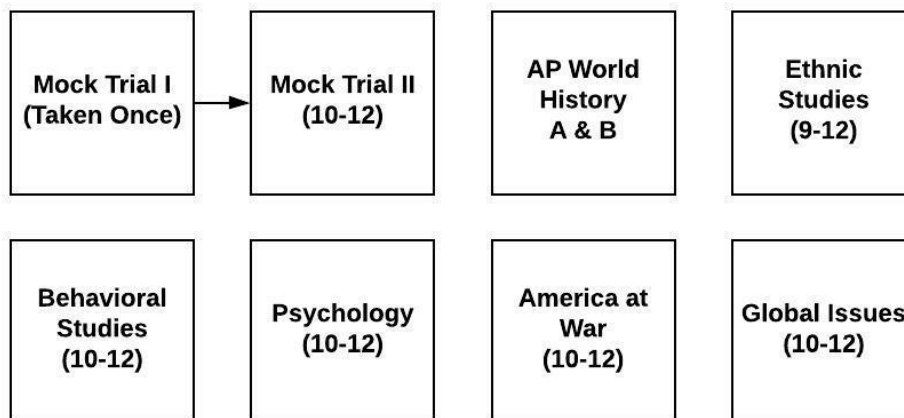
Agri Independent Study
104



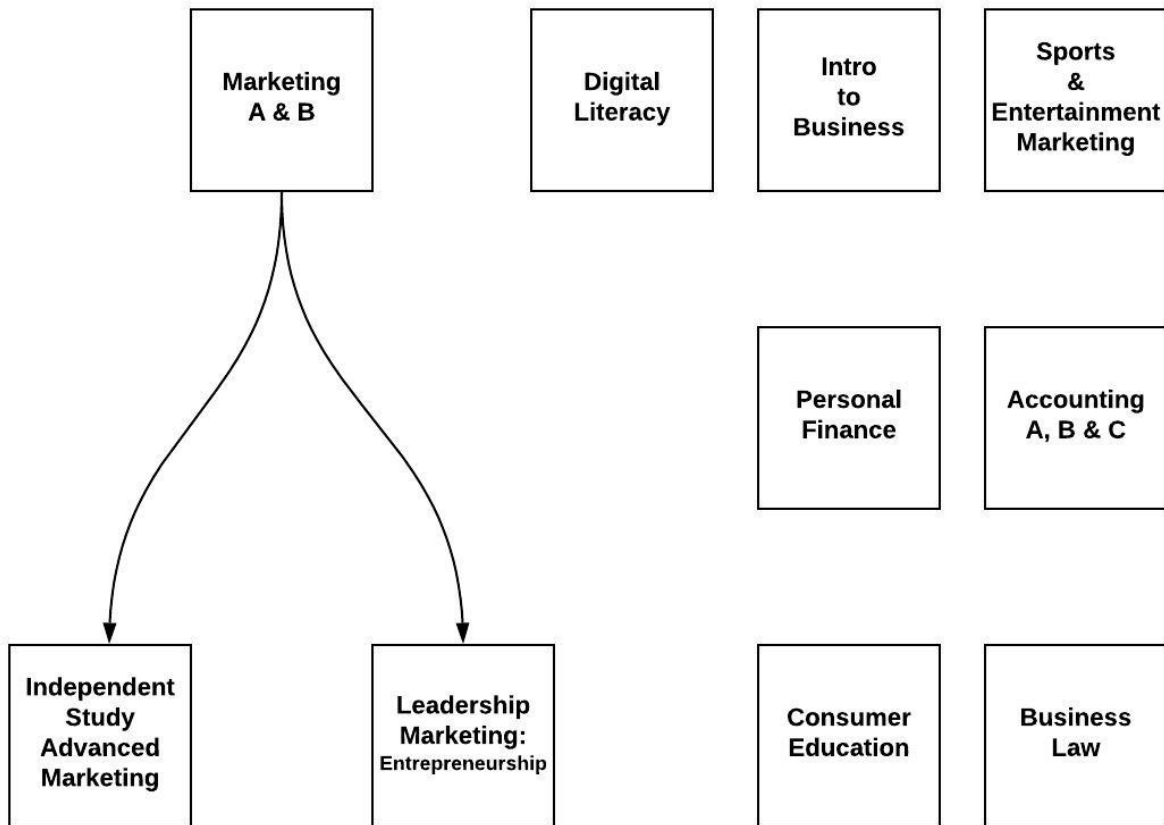
Social Studies Department



Social Studies Electives



Business/Marketing Department



Health/P.E. Department

Health

**Speed
and
Strength**

**Physical
Education**

**Sports
Medicine
I & II**

**Lifetime
Fitness**

**Competitive &
Lifetime
Sports**



**Visual/Performing/Applied
Arts (VPAA)**

Applied Arts

Wood Fabrications A & B
Furniture Design
Technical Drafting
Architectural Design I
Engineering Design I, II, III
Applied Mechanics/Pre-Engineering
Broadcast Journalism
TV Production
Coding
Robotics

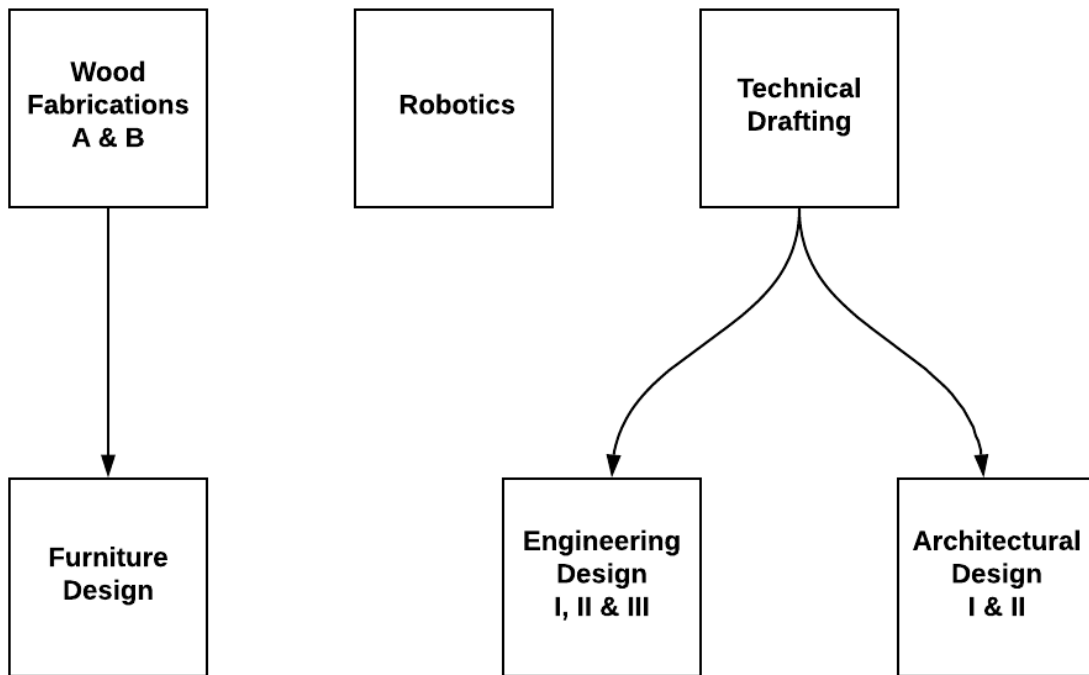
Performing Arts

Theatre Arts
Freshman Band
Concert Band
Symphonic Band
Wind Ensemble (Audition Only)
Jazz Band
Marching Band
Freshman Orchestra
Concert Orchestra
Symphony Orchestra (Audition Only)
Zero Hour Full Orchestra
Treble Chorus
Tenor/Bass Ensemble
Bella Voce (Audition Only)
Advanced Treble (Audition Only)
Choralaires (Audition Only)

Visual Arts

Open Studio Art
Drawing and Painting
Digital Art and Photography
AP Art (11/12)

Applied Arts Sequence



Technology Department

Digital Literacy

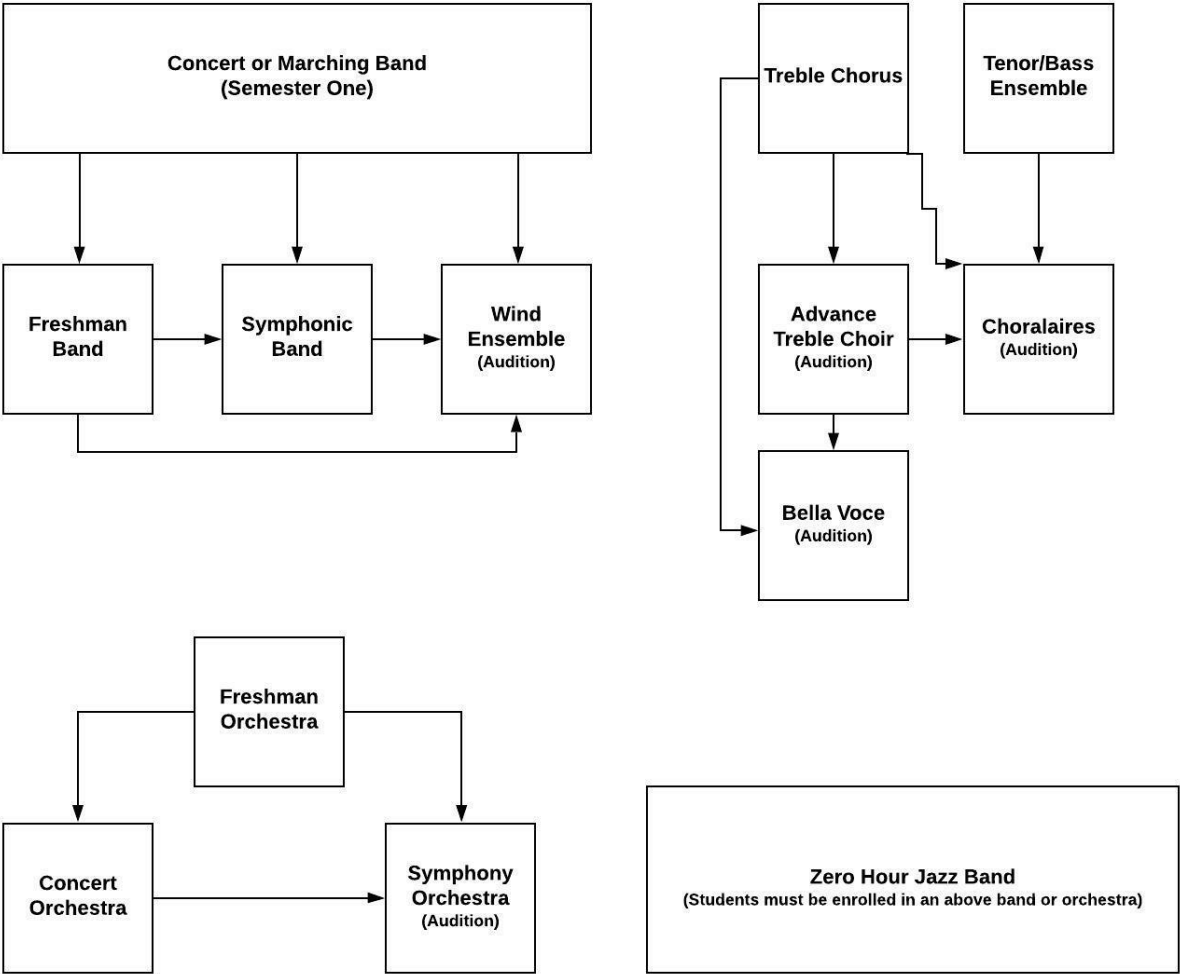
Coding

Robotics

**Web Design
A & B**

**AP Computer
Science A & B**

Performing Arts Sequence



World Language Department

**Spanish 1 A & B
Spanish 2 A & B
Spanish 3 A & B
Spanish 4 A & B**

**German 1 A & B
German 2 A & B
German 3 A & B
German 4 A & B**

**French 1 A & B
French 2 A & B
French 3 A & B
French 4 A & B
(Online Only)**

**Sign Language 1 A & B
Sign Language 2 A & B
(Online Only)**

**Latin 1 A & B
Latin 2 A & B
Latin 3 A & B
(Online Only)**

**Japanese 1 A & B
Japanese 2 A & B
(Online Only)**

**Chinese 1 A & B
Chinese 2 A & B
Chinese 3 A & B
Chinese 4 A & B
(Online Only/Semester Paced)**

Other Electives

LINKS
(Application Required)

**Planning Your
Career**

Independent Study
(Application Required)

Dual Enrollment
(Application Required)

Online Learning
(Application Required)

Kent Career/Technical Center

(May count towards Fine/Industrial Art, Math or Science Elective Requirements)

Digital Animation & Game Programming
Graphic Communications
Networking & Cybersecurity
Entrepreneurship & Marketing
Applied Construction Technology
Engineering & Architectural Design
Heating, Ventilation, Air Conditioning & Refrigeration (HVACR)
Precision Machining Technology
Auto Collision Repair
Automotive Technology
Aviation Electronics
Aviation Maintenance Technology
Diesel & Equipment Technology
Mechatronics-Robotics, Electrical & Mechanical Systems
Health Careers
(Biomedical; Diagnostics; Foundations; Nurse Technician; Emergency Medical Services; Medical Assistant; Pharmacy;
Sports Medicine & Therapies)
Hospitality & Culinary
Criminal Justice
Agriscience for Plants & Animals
Teacher Academy
Welding Technology

Launch U--Early Middle College Programs