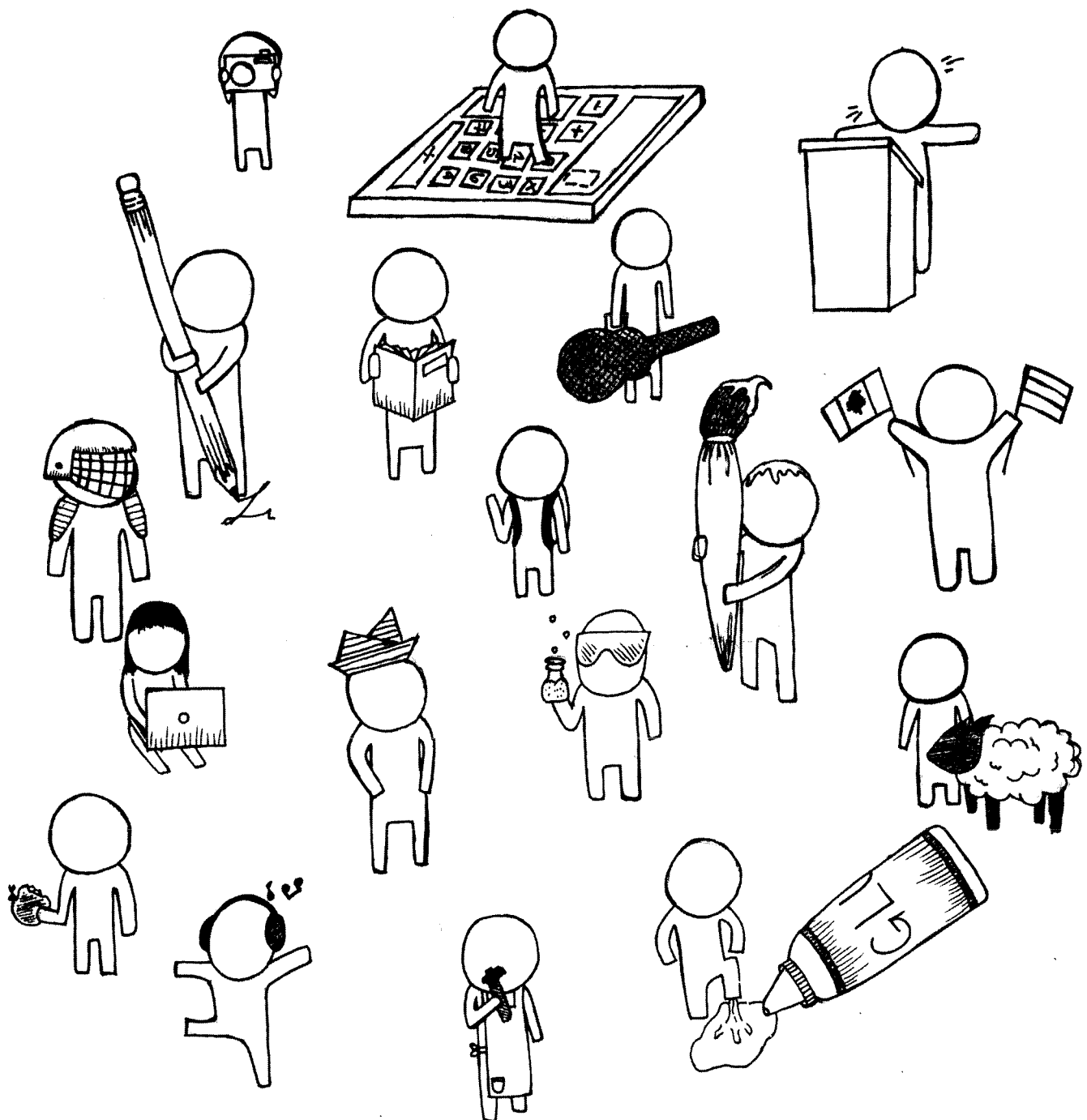


CALEDONIA HIGH SCHOOL

Curriculum Guide | 2017-2018



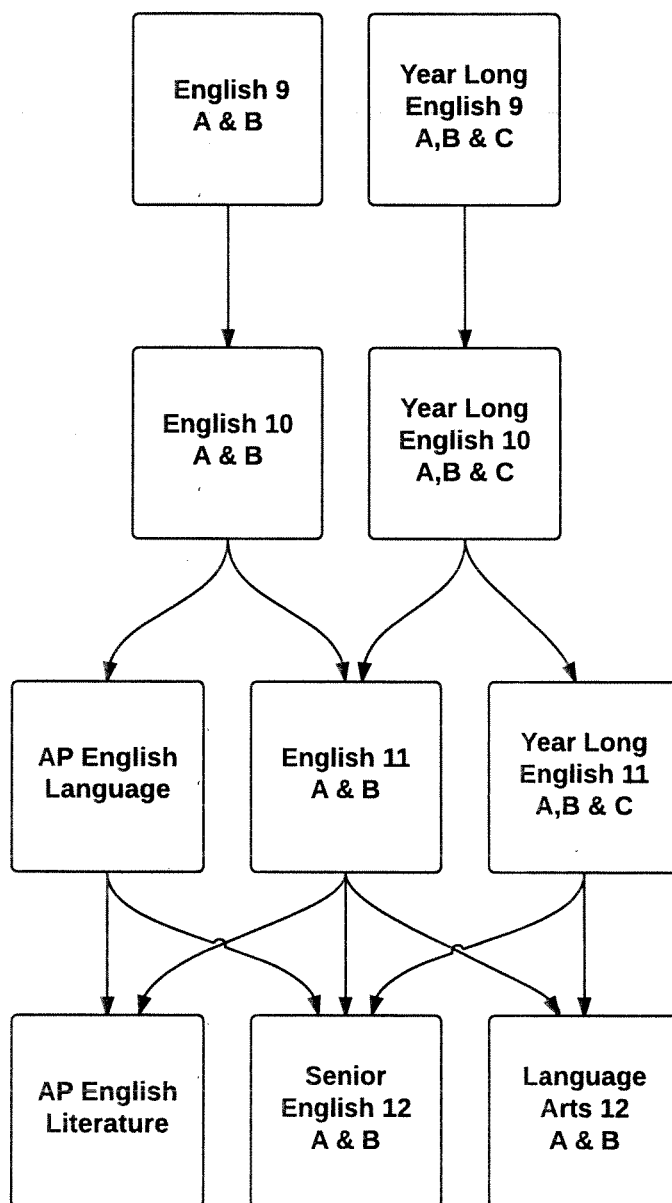
By: Katie Bork

INDEX

Charts showing courses offered by Department in sequence order are in the beginning of this guide to help you with choosing your courses.

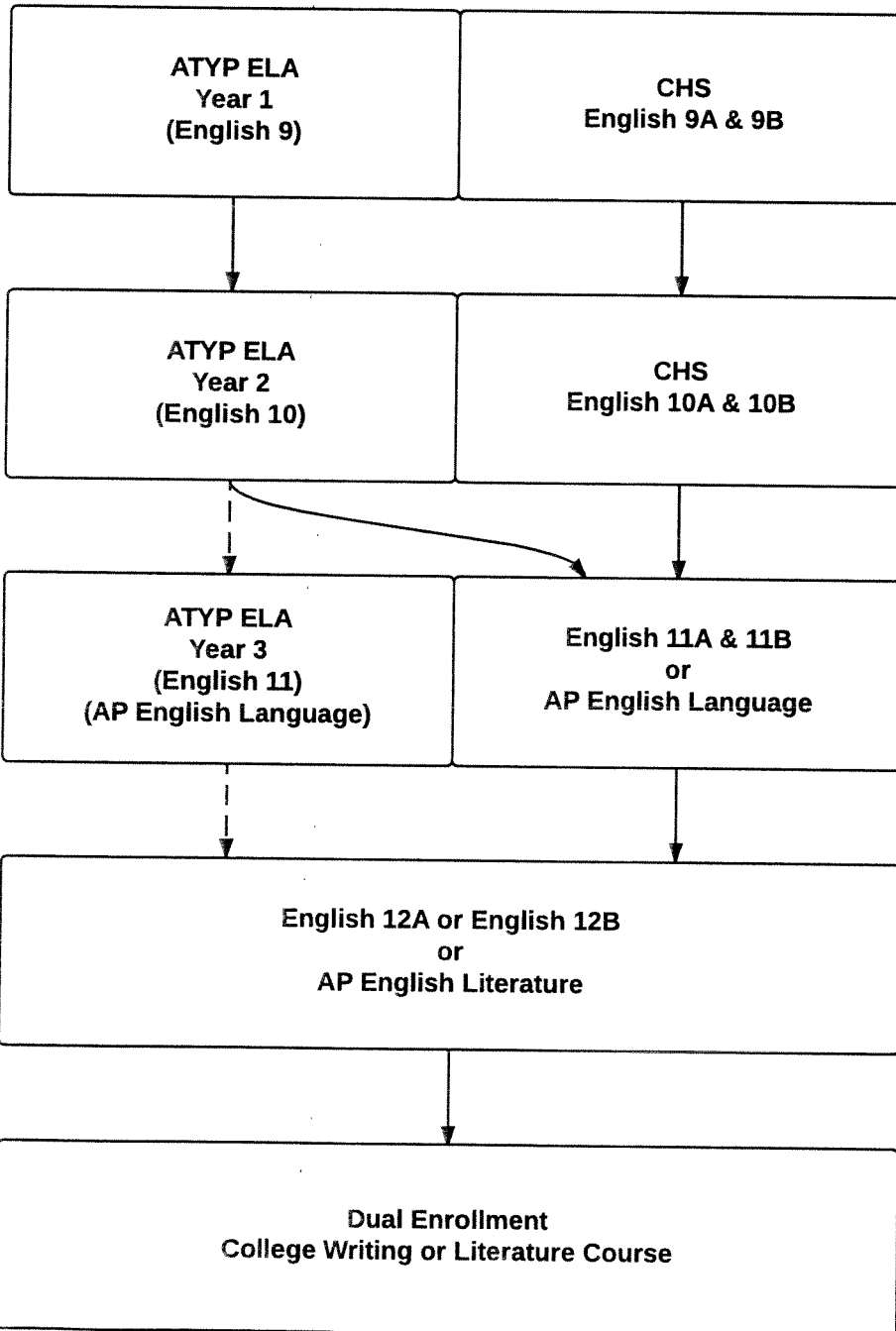
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| Applied Tech | 1-4 |
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English Department

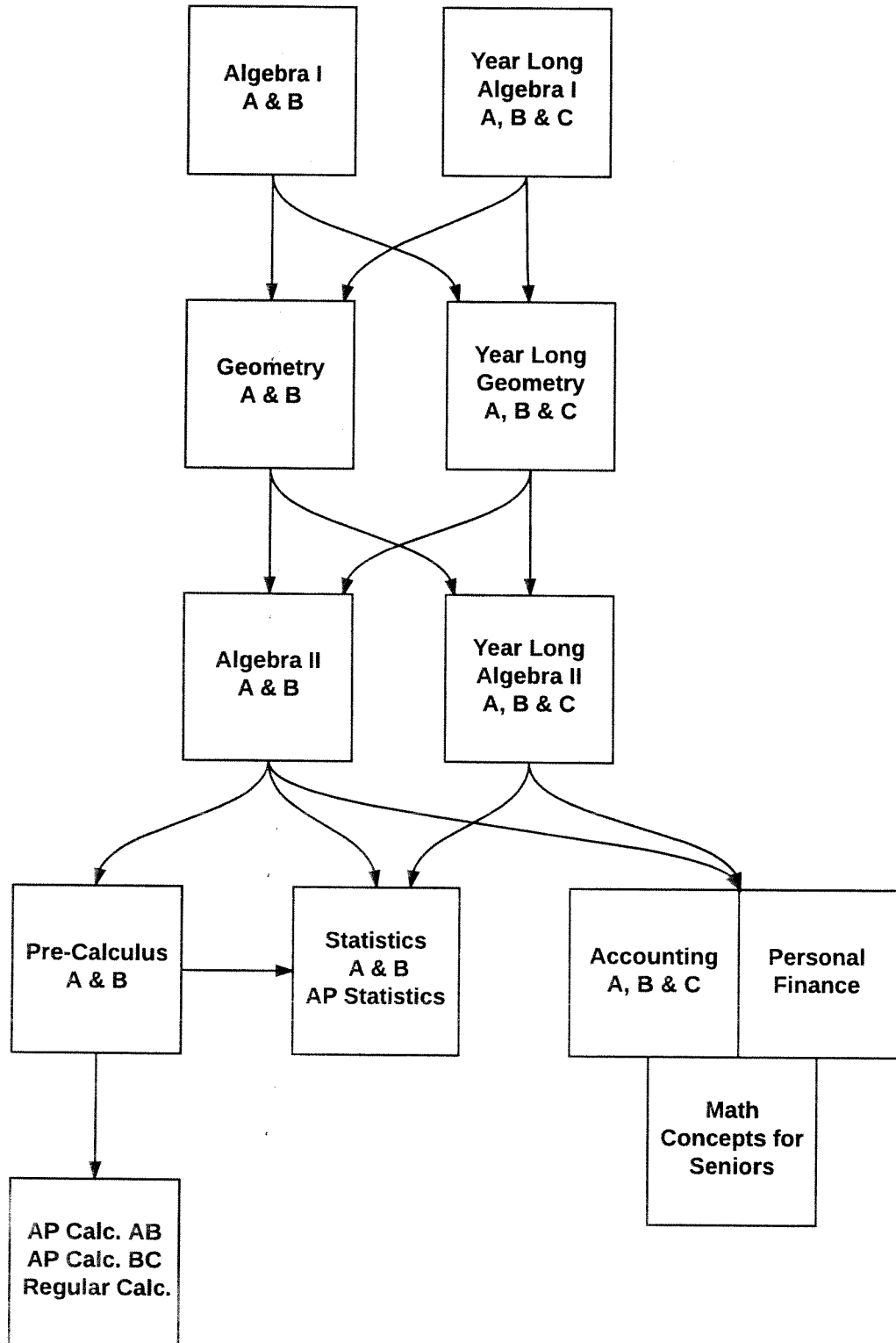


**Creative Writing A & B
(11th & 12th grade only)**

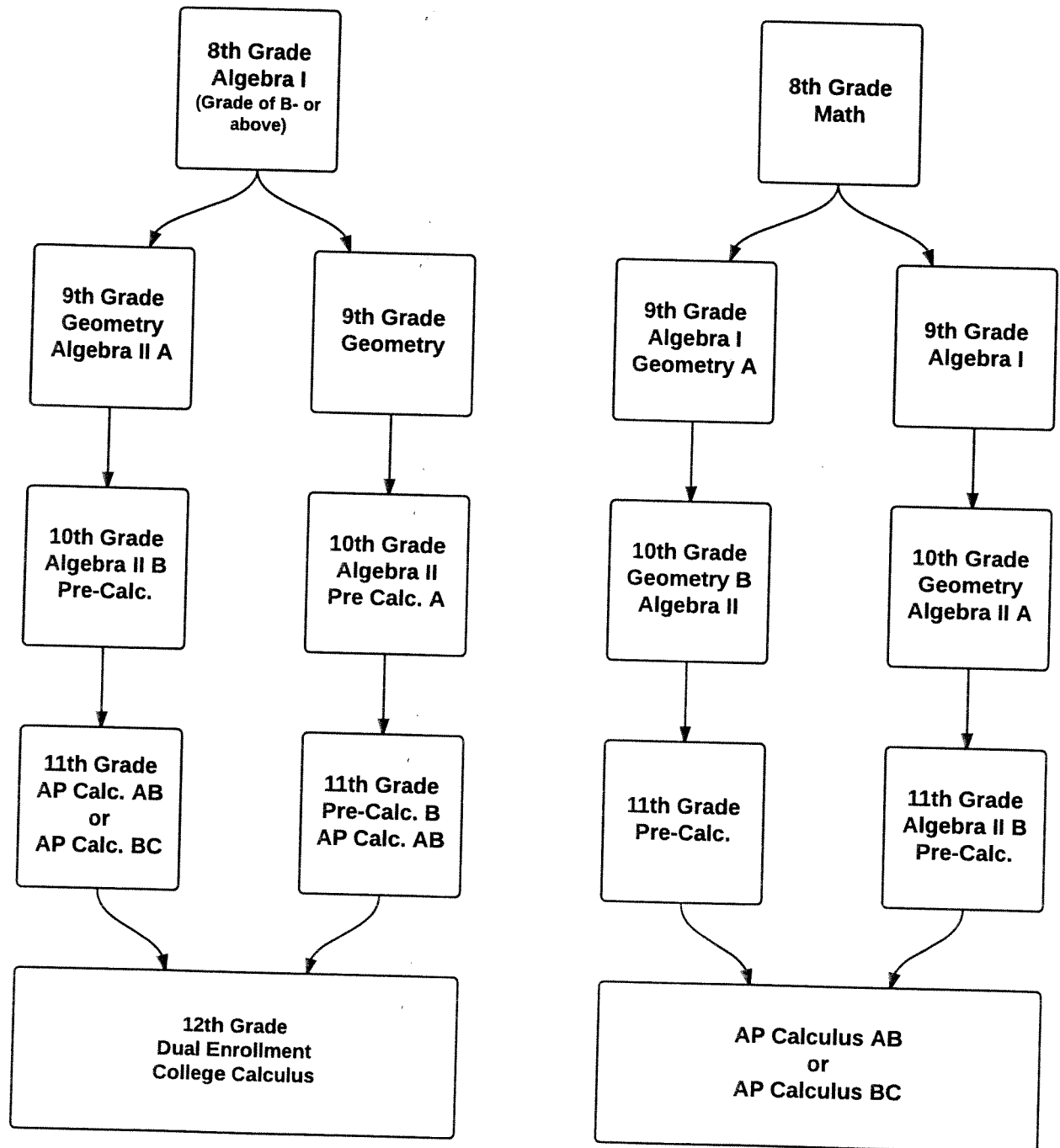
**ATYP/Caledonia High School
English Language Arts**



Mathematics Department

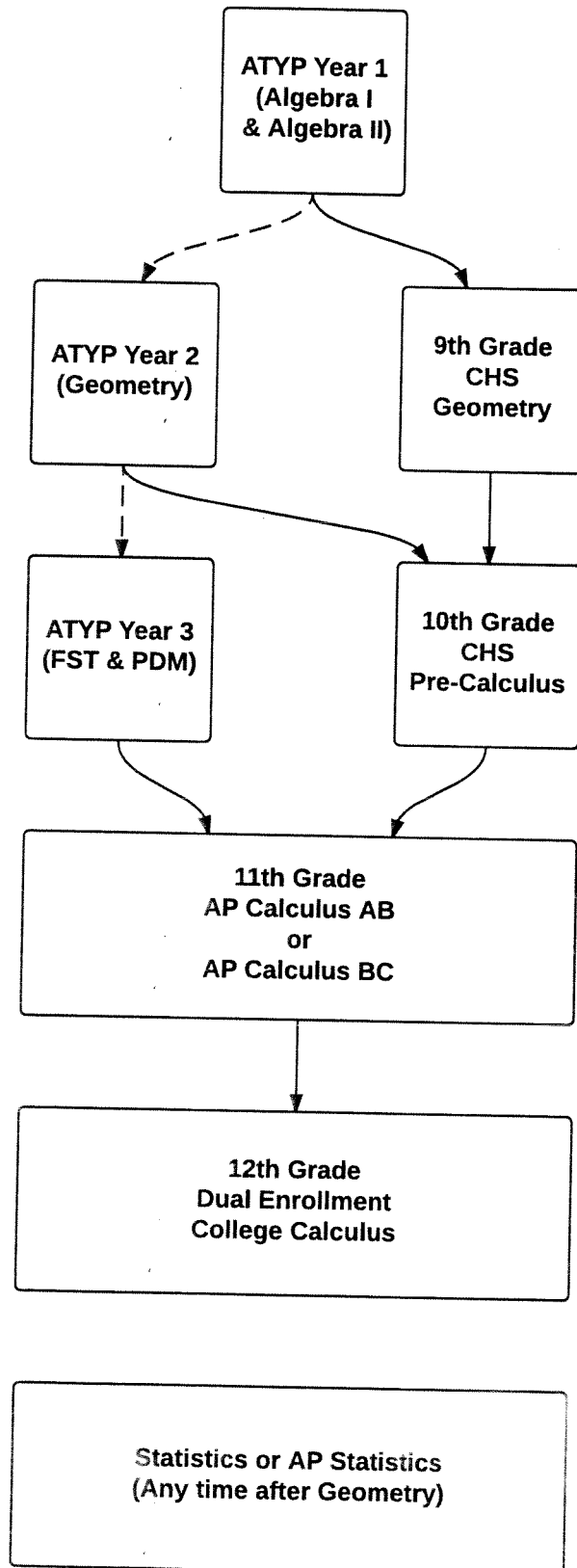


CHS Accelerated Math Options

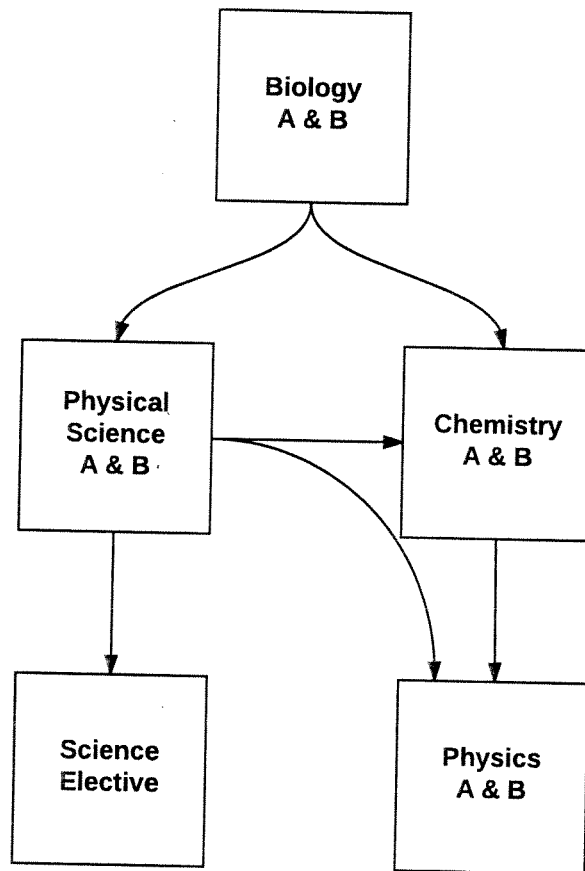


Statistics or AP Statistics
(Taken any time after Algebra II)

ATYP/Caledonia High School
Mathematics Sequence



Science Department



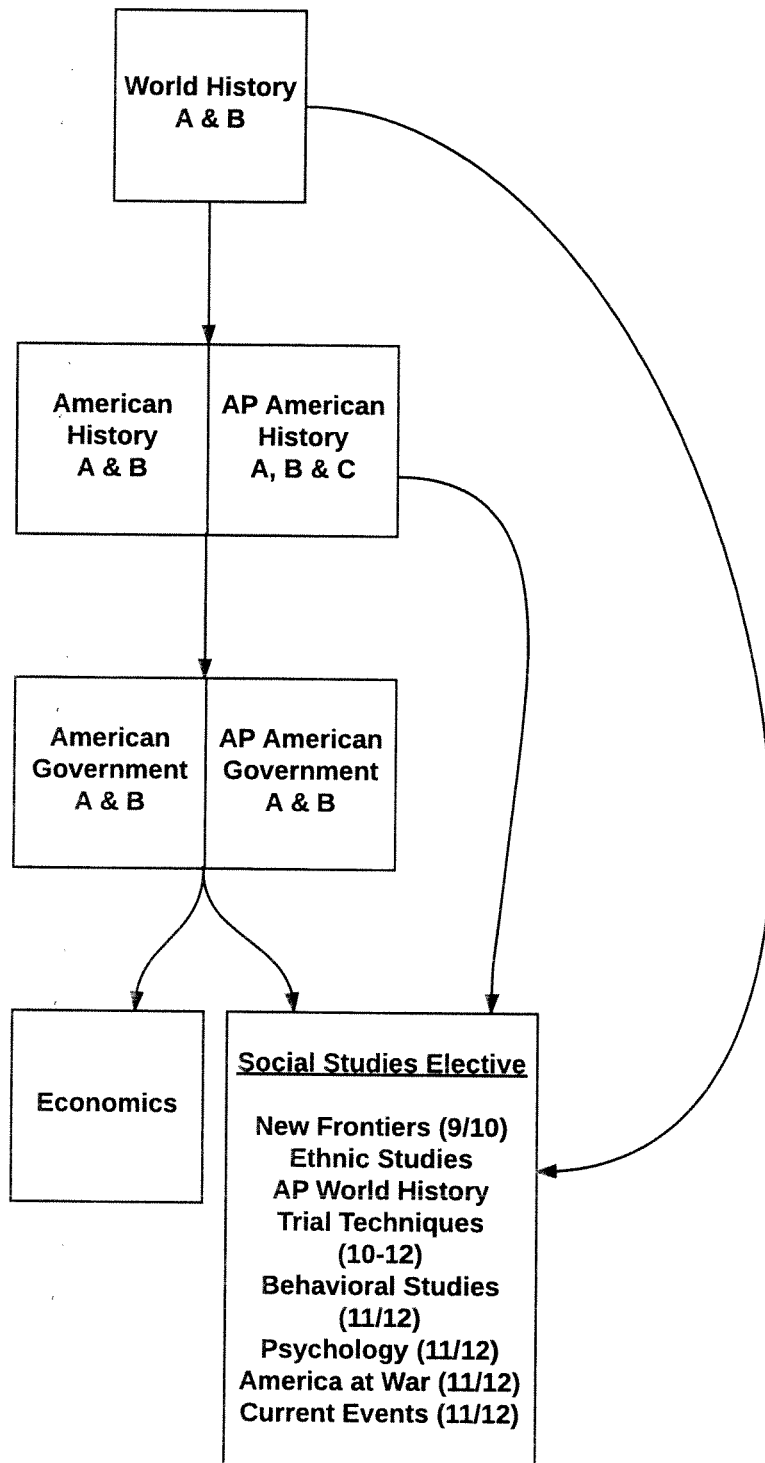
Ag Science Electives

Food Science A & B
Equine Science A & B
Veterinary Science
Horticulture
Natural Resources

College Prep Sciences

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

Social Studies Department



Fine/Industrial Art Options

Industrial Arts

**Wood Fabrications A & B
Furniture Design A & B
Technical Drafting
Architectural Design I & II
Engineering Design I, II, III
Industrial Processing
Applied Mechanics/Pre-Engineering**

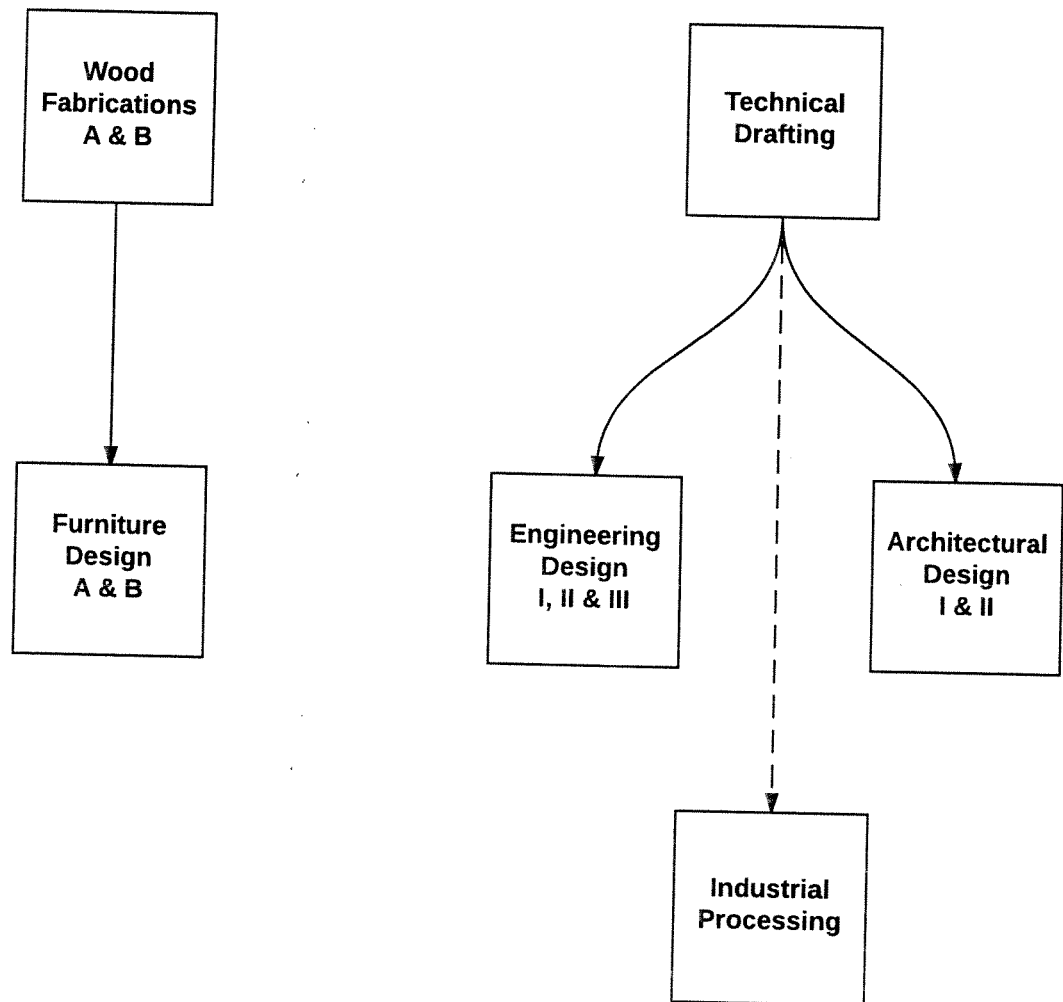
Performing Arts

**Theatre Arts
Freshman Band
Concert Band
Symphonic Band
Wind Ensemble (Audition Only)
Jazz Band
Marching Band
Freshman Orchestra
Concert Orchestra
Chamber Orchestra (Audition Only)
Zero Hour Full Orchestra
Treble Choir
Men's Ensemble
Women's Choir (Audition Only)
Choralaires (Audition Only)**

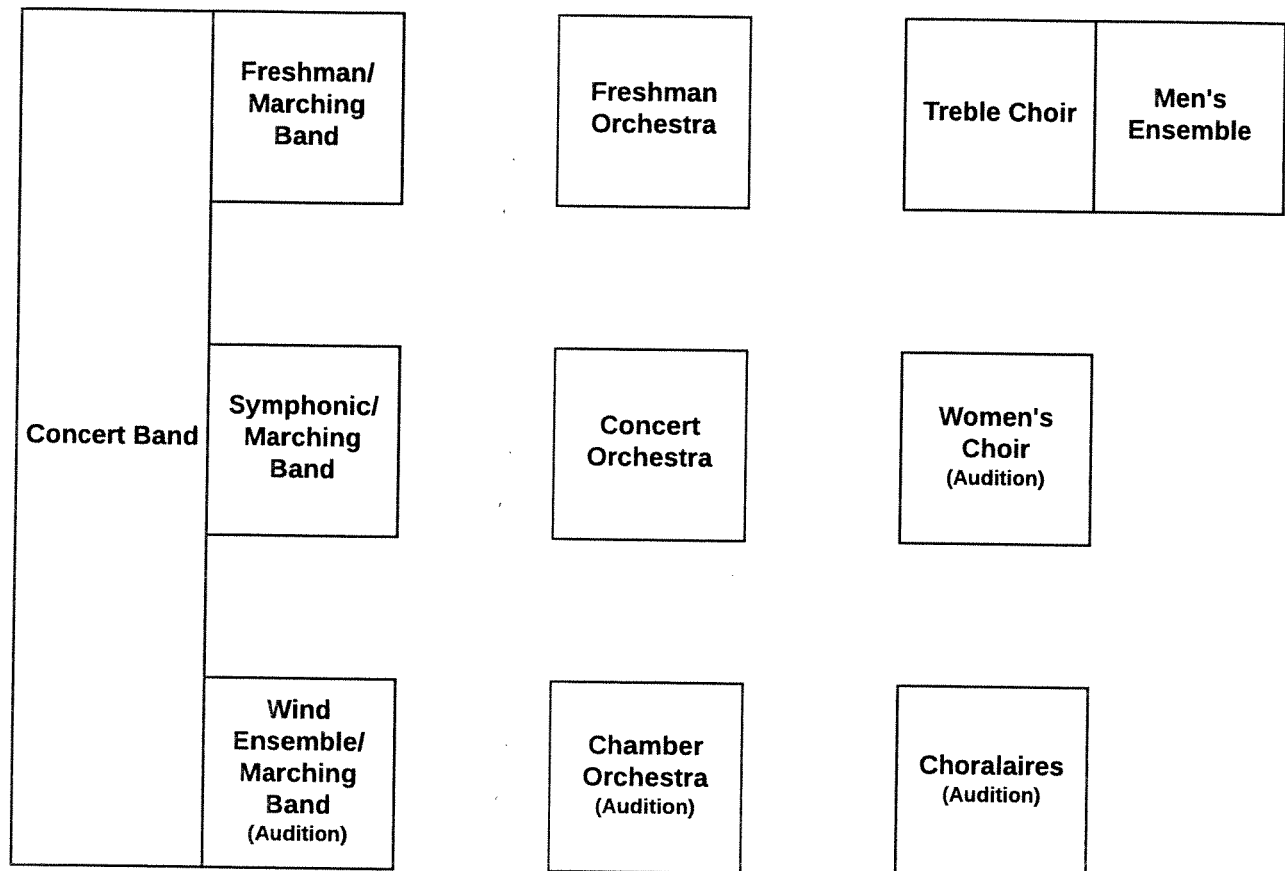
Visual Arts

**Open Studio Art
AP Art (11/12)
TV Production
Advanced TV Production
Broadcast Journalism**

Industrial Arts Sequence



Performing Arts Sequence



Zero Hour Full Orchestra
(Students must be enrolled in an above orchestra)

&/or

Zero Hour Jazz Band
(Students must be enrolled in an above band or orchestra)

Health/P.E. Department

Health

**Sports
Medicine
I & II**

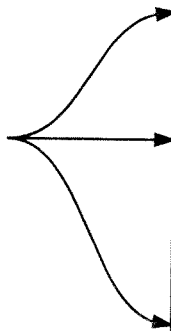
Must take two

**Foundations
of P.E.
Fall**

**Foundations
of P.E.
Winter**

**Foundations
of P.E.
Spring**

**Speed
and
Strength**



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)

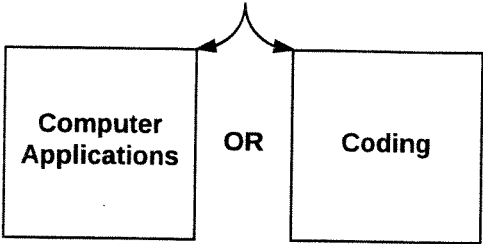
Latin 1 A & B
Latin 2 A & B
Latin 3 A & B
(Online Only)

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)

Technology Department

Required



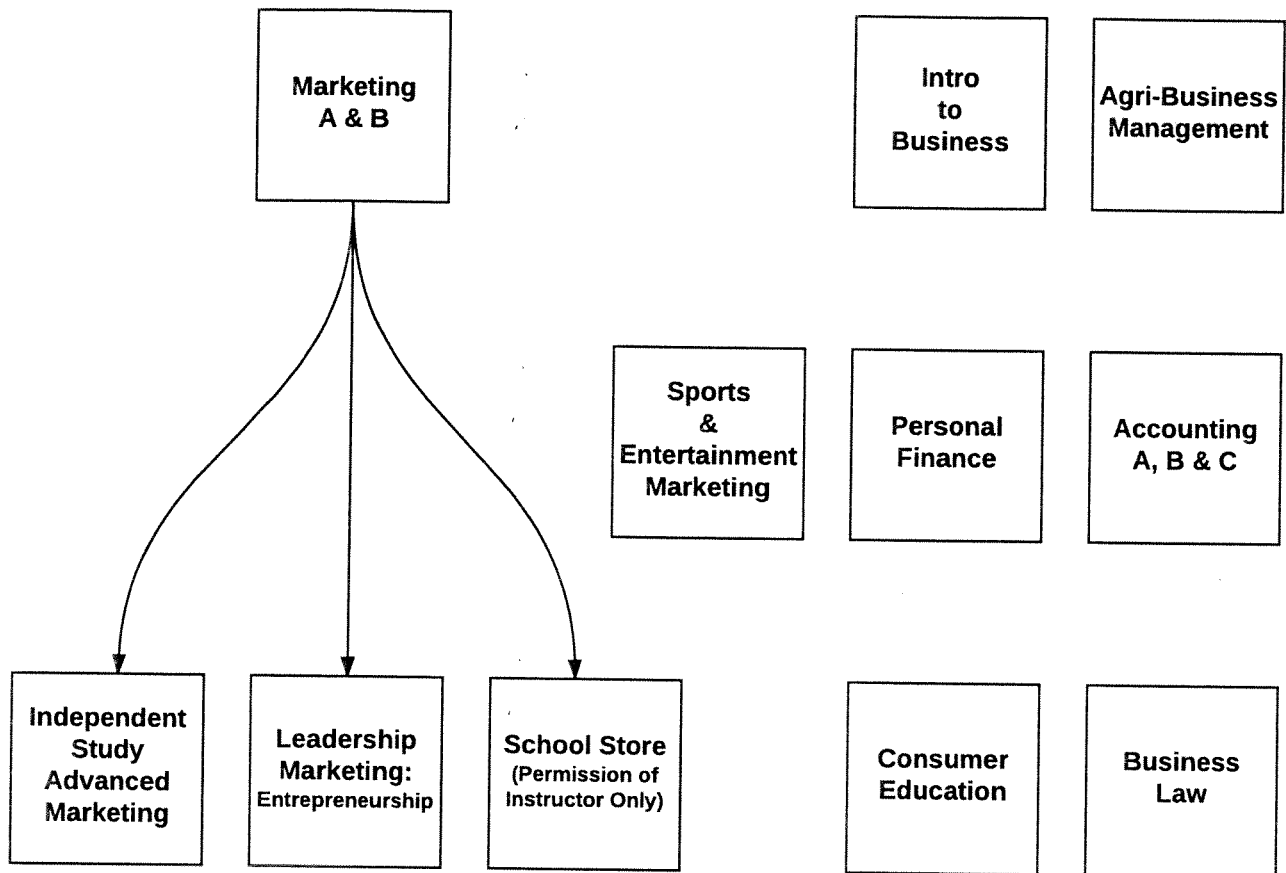
**Web Design
A & B**

**Intro to
Programming:
Virtual
Basic.net
(online only)**

**Intro to
Programming:
Java
Programming
(online only)**

**Game
Design
(online only)**

Business/Marketing Department



Other Electives

LINKS
(Application Required)

Leadership
FFA Leadership (T1)
FFA Communications (T2)
FFA Careers (T3)
Student Council
(Application Required)

Journalism
(Application Required)

**Dyanmics for
Student Success**
(Study Skills)

**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)

3D Animation & Game Design (12th only)
Graphic Communications
Accounting Online
Accounting Systems & Solutions
Information Technology
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
Design Lab (10th only)
Health Sciences Early College Academy (HSECA)
Health Careers Main Campus
Hospitality
Criminal Justice
Sustainable Agriscience

APPLIED TECHNOLOGY DEPARTMENT

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

Wood Fabrication A – 1 Tri – 1/2 Credit (grades 9-12)

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

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

This course emphasizes a systems thinking approach to product design & fabrication problems associated with building products. By learning and using basic machines and tool skills students fabricate challenging products by learning to apply production systems, varied knowledge of materials, and how to apply them in various ways. There is a strong emphasis on high productivity and high quality workmanship. We focus on learning how product and process design is a road to quality fabrication practices, as opposed to just being an assembler of another person's thinking. Primary materials used are wood, wood by-products, finishing materials, solvents, and plastics.

Technology/software used: A variety of machine technology, DWG Editor, word processing, and CNC Tool path software.

Wood Fabrication B – 1 Tri – 1/2 Credit (grades 9-12)

Prerequisite: Wood Fabrication A (Advised that Wood Fab A & B be taken in the same year if possible)

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

This course is an extension and companion of Wood Fabrication A. It emphasizes a systems thinking approach to product design & fabrication problems associated with building products. By expanding on skills of using basic machine and tool applications acquired in Wood Fabrication A. Students are faced with more complex and challenging production systems and problems. Students take the lead on designing, writing, and applying production systems. Each student will design, draw, and build a product of his/her own choosing. We continue the process of focusing on product and process design as a road to quality fabrication practices, as opposed to just being an assembler of another person's thinking. Primary materials used are wood, wood by-products, finishing materials, solvents, and plastics.

Technology/software used: A variety of machine technology, DWG Editor, word processing, and CNC Tool path software.

Furniture Design - 2 Tri – 1 Credit (grades 10-12)

Prerequisite: Minimum C- grade in Wood Fabrication Systems class, written instructor approval.

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. Project management overarching skill challenge 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 including CNC machining of parts.

Applied Mechanics – – 1 Tri - 1/2 Credit (grades 9-12)

Applied Mechanics is a pre-engineering style class in which students engage in designing and building various mechanical devices that demonstrate physical science principles. 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 – 1 Tri - 1/2 Credit (grades 9-12)

Technical Drafting (formerly 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 necessary for opening doors for communications in product design, engineering, manufacturing trades and business.

Residential Architectural Design I – 2 Tri – 1 Credit (grades 10-12)

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 of 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. Floor plan, elevation, and construction detail drawings will be produced as well as material schedules. 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.

Residential Architectural Design II – 2 Tri – 1 Credit (grades 10-12)

Prerequisite: A minimum of a C- in Residential Architectural Design I

This course builds on the ideas and knowledge from Architectural Design I. 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. Working documents will be drawn up for a complete structure of the student's choice.

A fee will be charged for printing services.

Software used: DraftSite, Chief Architect

Engineering Design 1 – 1 Tri – 1/2 Credit (grades 9-12)

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

Engineering Design 2 – 1 Tri – 1/2 Credit (grades 9-12)

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 – 1 Tri – 1/2 Credit (grades 10-12)

Prerequisite: 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.

Industrial Processes – 1 Tri – 1/2 Credit (grades 9-12)

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

Prerequisite: None (Technical drafting Encouraged)

This course introduces each student to basic processes used in industry to machine and fabricate products. On a basic level students will learn to; Drill, Thread, design, Develop and

Design parts, Draw and Read Technical Drawings, Develop patterns to Fabricate with Sheet Metal, Use a Plasma cutter, Use an overhead Milling Machine, Use a Metal Lathe, and learn the Technical language and practices that are associated with these various areas.

Coding – 1 Tri – ½ Credit (grades 9-12)(This course may be substitute for Computer Apps.)

Coding is designed to introduce students to the breadth of the field of computer science. The goal of Coding is to develop in students computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will be introduced to topics such as interface design, limits of computers and societal and ethical issues of software engineering.

ART DEPARTMENT

Participation in the visual arts increases your creative abilities and offers balance to your trimester and life. Talent-schmalent, we warmly welcome and support students of any ability level from anxious beginner to confident creator. Each trimester concludes with a celebratory public art exhibition showcasing every student's best work.

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

Open Studio Art - 1 Trimester - 1/2 Credit (grades 9-12)

Prerequisite: None

You may take Open Studio Art MULTIPLE TIMES per trimester/year WITHOUT LIMIT.

Try new art materials as your interests and skills develop. Choose to work in either of our 4 studio spaces:

- > Digital Studio: photography, illustration, animation, digital painting, etc.
- > Printmaking Studio: silkscreen t-shirts, linoleum block print, intaglio, etc.
- > 2D Studio: graphite, ink, colored pencil, pastel, watercolor, acrylic, collage, stencil, spray paint, etc.
- > 3D Studio: potter's wheel, hand building (coil, slab, pinch) and glazing, sculptures of any size from wire, ready-made and found materials, board, fabric, and installations, etc.

Advanced Placement 2D Studio Art - 3 Trimesters - 1.5 Credits (grades 11-12)

Prerequisite: None

You may take this course both as a Junior and as a Senior.

AP Art is our capstone course for any student interested in developing his/her portfolio and earning college credit. Assemble your portfolio of two-dimensional artworks (photos, drawings, paintings, prints, etc. — Any artworks you have made at any time or place). Submit your work

to the College Board for evaluation and possible college credit. No prerequisite coursework or portfolio review is required.

BUSINESS DEPARTMENT

All Business classes can be used for Work-Based learning students to fulfill requirements. Student must pass class with a minimum C-.

Computer Applications – 1 Tri – 1/2 Credit (grade 9) **Required Course (Coding can be substituted for Computer Applications).**

Text: *Microsoft Office 2011 for Mac* by Gary B. Shelly & Misty E. Vermaat

Technology/Software Used: MAC 106.2; Microsoft Office 2011 for Mac; EduTyping (online)

Computer Applications is designed for students to build typing speed and accuracy using proper technique, be able to maneuver on the Mac platform, learn terminology, learn new, efficient skills in Word, be introduced to Excel, and learn new effects using Power Point. Formatting of MLA style reports, works cited page, setting up and completing a Table using Word, and basic skills to create a chart will also be taught. In addition, Naviance will be used to create an Educational Development Plan.

Accounting A - 1 Tri – 1/2 Credit (grades 11-12)

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 on 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 – 1 Tri – 1/2 Credit (grades 11-12)

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.

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 – 1 Tri – 1/2 Credit (grades 11-12)

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.

Business Law – 1 Tri – 1/2 Credit (grades 10-12)

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.

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

Consumer Education – 1 Tri – 1/2 Credit (grades 9-12)

Students will build life skills through the study of Consumer Education. Students will learn about consumer behaviors, powers, and protections. They will study simulated and authentic experiences from a variety of consumer choices and decisions. Students will learn how to manage money and make wise consumer purchases.

Technology used: Windows PC or Mac, Internet, and PowerPoint.

Introduction to Business – 1 Tri – 1/2 Credit (Grades 9-12)

This course is designed to introduce the student to business activities such as business principles, problems, practices and potential careers related to 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.

Technology used: Windows PC or Mac, Internet, and PowerPoint.

Class may earn articulation credit at area colleges or community colleges if taken 11 & 12

Marketing A/B – 2 Tri – 1 Credit (Grades 10-12)

This is a State of Michigan approved, two-trimester class that is designed to prepare individuals to perform marketing and business functions that can be applied broadly in any marketing or business environment. Principles, practices and procedures are taught, but without particular identification with a specific kind of business, product or service. Seven core functions of marketing that will be covered in this course include: economics, selling, product and service management, channel management, pricing, marketing information management, and promotion.

The student will also have the opportunity to become a member of DECA (a student marketing organization) and will have the opportunity to compete at the district, state and international career development conferences.

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 & Entrepreneurship Marketing - 1 Tri 1/2 Credit (grades 11-12)

Prerequisite: Marketing A/B

Leadership & Entrepreneurship Marketing is a course designed to provide students an opportunity to explore what it takes to develop a business from the ground floor. Students will learn how to develop a business plan while learning to find solutions to existing business problems in today's global environment. They will also have the opportunity to present their business plan prospectus to a current business employer / employee through DECA competition. The student will also have the opportunity to become a member of DECA (a student marketing organization) and will have the opportunity to compete at the district, state and international career development conferences.

Technology/software used: Windows or Mac Computers, Power Point, internet, Word and Excel 2007, and Business Plan software.

Sports and Entertainment Marketing - 1 Tri – 1/2 Credit (grades 9-12)

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 also provide students with the fundamental principles and concepts identified with sports and entertainment marketing, and to develop critical thinking and decision-making skills.

Personal Finance - 1 Tri – 1/2 Credit (grades 10-12)

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

Planning for Your Career – 1 Tri – 1/2 Credit (grades 11-12)

This course is designed to help students look at themselves, help determine their interest, values, lifestyle and how it will influence their career choice. Students will develop an Educational Development Plan (EDP), and learn skills to apply for a job. This course will look at the necessary skills needed on the job and the type of professional skills needed to develop a successful career. Students will learn how to meet adult responsibilities and understand the importance of lifelong learning while managing a balanced, successful work and personal life.

Note: All Work Based Learning students are required to enroll and successfully complete this course with a minimum C- average.

Technology / Software Used: Career Cruising, Internet, Microsoft Office

School Store – 1 Tri – 1/2 Credit (grades 10-12, with permission of instructor)

Prerequisite: Marketing, DECA and permission of the instructor

This course is designed to prepare individuals in a variety of management skills related to the operations of a retail store or department within a store. Individuals in the course will be responsible for the success of the store operations by functioning as managers of the school store.

TV Production – 1 Tri – 1/2 Credit (grades 10-12)

This class serves as an introduction to all phases of television production. Students will be instructed in filming, lighting, audio, graphics, special effects, script writing, direction, and video editing. Projects include news stories, commercials, music videos, etc.

Technology/Software Used: Final Cut Pro Studio 2, camcorder, microphone, green screen

Advanced TV Production – 1 Tr – 1/2 Credit (grades 10-12)

Prerequisite: Successful Completion of TV Production 1 with grade of B- or better

The purpose of this class is to allow students to get past the basics to further their experience in production media by working in a simulated TV Station. We will produce programming and advertisements to air on the local cable channel, the CHS News, and to provide lunchtime entertainment for students. There will also be opportunities to explore areas from TV Production 1 in more depth. Students will also have the opportunity to make a movie utilizing the Final Cut Pro Studio Software to create special effects, 3-d motion graphics, and the movie soundtrack including sound effects and music.

Technology/Software Used: Studio Cameras, intercom system, video switcher, graphics generator, soundboard, Final Cut Pro Studio 2, camcorder, microphone, green screen

Broadcast Journalism – 1 Tri – 1/2 Credit (grades 10-12)

This class is designed to give students an experience in all phases of creating a daily 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.

Technology/Software Used: Studio Cameras, intercom system, video switcher, graphics generator, soundboard, Final Cut Pro Studio 2, camcorder, microphone, green screen

Offsite Work-Based Learning - 1 Tri – 1/2 Credit (grades 11-12)

Prerequisite: Student must be currently enrolled in an approved related class and earn at least a C- or higher to earn credit for Offsite Work-Based Learning.

Placement in an off site learning program is dependent on the student's demonstrated readiness for a learning experience in and outside the classroom. Attendance, time management, initiative, good grooming and the ability to work without direct supervision is required. Students will learn the importance of good work relations and conflict resolution through effective oral and written communication skills.

Work-Experience and Internships are elective courses for juniors and seniors. The purpose of these individualized programs is to provide the student learner with authentic experiences in a professional and/or business setting. The student learner will explore career preparation and readiness. They will learn about skills necessary to succeed in Michigan's career pathways of Arts & Communication, Business, Management, Industrial Technology, Health Sciences, Human Services, Natural Resources, and Agriscience. Placements in Work-Based Learning are dependent on the availability of appropriate sites, which are applicable to their approved related class and EDP.

Successful completion for elective credit is based on State of Michigan requirements of a completed Training Agreement with employer, third party Training Plans, Education Development Plan (EDP), work / class meeting attendance, and favorable evaluations.

*Note: Student must earn a C- or higher to earn repeat status registration.

technology / Software Used: Career Cruising, Internet, Microsoft Office

Web Design A – 1 Tri – 1/2 Credit (grades 11-12)

Prerequisite: Computer Applications

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, an animation software and Photoshop.

Web Design B – 1 Tri – 1/2 Credit (grades 11-12)

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

ENGLISH DEPARTMENT

Freshman English 9A - 1 Tri – 1/2 Credit (grade 9) Required Course

Prerequisites: Successful completion of 8th grade Language Arts

Freshman English 9A 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. With William Shakespeare's *Romeo and Juliet* serving as the anchor text, the study of literature 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. Freshman English also offers supportive reading strategies for a variety of purposes. SAT Reading, Writing, and Language skills are introduced and practiced. Freshman English 9A does not have to be taken before Freshman English 9B.

Freshman English 9B – 1 Tri – 1/2 Credit (grade 9) Required Course

Prerequisites: Successful completion of 8th grade Language Arts

Freshman English 9B 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. With George Orwell's *Animal Farm* as the anchor text, the study of literature 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 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. Freshman English also offers supportive reading strategies for a variety of purposes. SAT Reading, Writing, and Language skills are introduced and practiced.

Freshman English 9B does not have to be taken after Freshman English 9A.

Year Long Freshman English 9 A/B/C – 3 Tri - 1.5 Credit – 1/2 Credit each trimester (grade 9)

Prerequisites: Successful completion of 8th grade Language Arts

Students will analyze literature using literary elements, learn reading strategies based on choice reading reflection and analysis, and focus on vocabulary in preparation for SAT reading responses. The course will also provide opportunities to build basic speaking skills, review grammar, understand research techniques using MLA citation, and to practice expository writing skills over three trimesters.

Some course literature will include: William Shakespeare's "Romeo & Juliet," George Orwell's *Animal Farm*, various short stories (both fiction and nonfiction), as well as choice reading of young adult literature.

Students in this course will also spend time learning to integrate test, reading, and study strategies for future success in ELA classes.

Sophomore English 10A – 1 Tri – 1/2 Credit (grade 10) Required Course

Prerequisites: Successful completion of Freshman English 9 A & B

Sophomore English 10A is designed to give students an introduction to the world of rhetorical analysis, persuasion, and critical evaluation. The objective is for students to develop speaking, reading, writing, grammar, 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 10A will also focus on the development of writing and reading skills needed to perform well in all academic classes and on standardized tests.

Sophomore English 10B – 1 Tri – 1/2 Credit (grade 10) Required Course

Prerequisites: Successful completion of Freshman English 9A & B and Sophomore English 10A.

Sophomore English 10B is an extension of 10A in that it build upon the reading, writing, and critical thinking skills developed in 10A. A greater emphasis will be placed on longer texts, independent research-based 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 10A will also focus on the development of writing and reading skills needed to perform well in all academic classes and on standardized tests.

Year Long Sophomore English 10 A/B/C – 3 Tri - 1.5 Credit – 1/2 Credit each trimester (grade 9)

Prerequisites: Successful completion of English 9 A & B, or YL Freshmen English 9 A/B/C

Part A:

This course will expose students to early American authors including Edgar Allan Poe, John Steinbeck's *Of Mice and Men*, modern young adult literature (choice reading), and exploring rhetoric and persuasion. Classwork, which will be heavily group and project based, will emphasize independent reading skills, test taking strategies, vocabulary strategies, grammar, oral expression, and structured writing techniques that correlate with literature units to include expository, persuasive, research and analysis. Students will be expected to participate in class discussions that incorporate US History documents and to make thematic connections to develop oral expression and critical thinking skills.

Part B:

Students will continue to work in small groups on project based class work to develop mastery of reading skills, test taking strategies, vocabulary strategies, grammar, oral expression, and structured writing techniques that correlate with literature units to include expository, persuasive, research and analysis. Students will also be expected to participate in class discussions that incorporate independently chosen literature to enhance thematic connections in developing oral expression and critical thinking skills.

Part C:

This course will expose students to American literature beginning with the novel *To Kill a Mockingbird* by Harper Lee and various short stories from the 20th Century. Class discussions provide opportunities for students to make thematic connections to the real world. Students will also choose topics for their research paper. Many of the writing lessons along the way will be done in a writing workshop setting to emphasize important writing and research skills to prepare students for their junior and senior years at CHS and post-secondary opportunities. Students will continue to work in small groups on class work to complete assignments that will build mastery of reading, writing, grammar, and speaking skills.

Junior English 11A – 1 Tri – 1/2 Credit (grade 11) **Required Course**

Prerequisites: Successful completion of Freshman English 9 A & B, Sophomore English 10 A & B

Junior English 11A is designed to give students a thematic overview of Literature and to develop and improve writing, speaking and reading skills. The emphasis will be on preparation in reading, composition and editing grammar through a chronological survey of literature beginning with the Middle Ages through the Renaissance studying the following: Beowulf, Shakespeare's Macbeth, and Stevenson's *Dr. Jekyll & Mr. Hyde*. Communication and discussion will be a continual emphasis in the course to improve critical thinking skills. Common assessments will be given. Speeches and writing assignments are required throughout the course. The course will engage students in choice reading to help improve reading speed, comprehension, and vocabulary skills.

Junior English 11B – 1 Tri – 1/2 Credit (grade 11) **Required Course**

Prerequisites: Successful completion of Freshman English 9 A & B, Sophomore English 10 A & B, Junior English 11A

Junior English 11B is designed to give students a chronological and thematic overview of Literature and to develop and improve writing, speaking and reading skills. The emphasis will be on preparation in reading, composition and grammar through a chronological survey of literature beginning with the Restoration through Contemporary English literature studying the following: Swift's *Gulliver's Travels*, Shelley's *Frankenstein*, Golding's *Lord of the Flies*, and various poems and short stories. Communication and discussion will be a continual emphasis in the course. A research paper and a research speech will be required to complete the course to improve critical thinking skills. The course will engage students in choice reading to help improve reading speed, comprehension, and vocabulary skills.

Advanced Placement Language and Composition - 3 Tri – 1.50 Credits (grade 11)

Prerequisite: Successful completion of Freshman English 9 A & B, and Sophomore English 10 A & B

Advanced Placement Language and Composition is a three-trimester course in the study of the English language. With a heavy focus on the 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.

Advanced Placement Literature and Composition - 12 - 3 Tri – 1.50 Credits (grade 12)

Prerequisites: Successful completion of Freshman English 9 A & B, Sophomore English 10 A & B, Junior English 11 A & B or AP Language and Composition

This course is for high school students capable of doing college-level work in English. All three trimesters are required, and are taken in place of English 12. Students will read, analyze, discuss, and write about literature from a variety of eras and genres in fiction and poetry. We will examine literature through a handful of thematic lenses, while relating individual pieces to the writer's genre and time period. In each trimester, students will read fiction, poetry, essays, and a play, analyzing how themes are exemplified, as well as the techniques authors and poets use to convey meaning. The course also includes the teaching of literary techniques and devices, in-depth poetry analysis, AP Exam practice/preparation, and graded literary discussions.

Senior English – 12A – 1 Tri – 1/2 Credit (grade 12) Required Course

Prerequisites: Successful completion of Freshman English 9 A & B, Sophomore English 10 A & B, and either Junior English 11 A & B or three trimesters of AP English Literature

Senior English provides a forum in which students read, analyze, and respond to world literature and philosophy. Readings in 12A will be selected from the philosophies of Confucius and Aristotle and from *The Epic of Gilgamesh*, *The Ramayana*, *Oedipus the King*, *Antigone*, *The Song of Roland*, *The Tragedy of Julius Caesar*, and *The Heart and the Fist*. Students will write a senior-level research paper. The study and review of literary terms and grammar is included. Speeches and presentations are given.

Senior English 12B – 1 Tri – 1/2 Credit (grade 12) Required Course

Prerequisites: Successful completion of Freshman English 9A & B, Sophomore English 10 A & B, and either Junior English 11 A & B or three trimesters of AP English Literature

World Literature and Writing provides a forum in which students read, analyze, and respond to

world literature and philosophy. Students practice critical thinking skills in their reading, writing, speaking, and research activities. Both senior level trimesters include the study and review of literary terms and grammar. Speeches and other presentations are given.

Readings will be selected from the philosophies of Machiavelli and Marx and from *Henry V*, *Cry The Beloved Country*, *Night*, and *The Bosnia List*. Choice reading will also be included.

Language Arts 12A and 12B - Language Arts provides a slower pace of reading and writing instruction for students who may have struggled with Language Arts and who are not planning on attending college. The course focuses on reading, writing, speaking and discussion skills. The students read whole class texts and have a significant amount of time to read choice books. Writing will focus on both technical writing and memoir writing.

Journalism – 3 Tri – 1.50 Credits (grades 10-12)

Prerequisites: Minimum of a C grade in all prior English classes. Students must submit the recommendations of an English teacher and a computer teacher. They must submit an application and essay and be interviewed by the journalism staff before acceptance in the class.

Journalism is a full year course. The class produces a school newspaper (online) a few times a year, and designs and creates the yearbook, which is a record of the events throughout the school year. The class is student focused and led. Students will focus on journalistic writing techniques and style as they learn to create body copy for articles and yearbook pages and write captions for pictures. Students will learn how to lay out yearbook pages and create them digitally using a web-based program. Interviewing techniques will also be emphasized. While there is a photography staff, in some cases students may take pictures on their own for use on their pages. Students must sell ads, yearbooks, and newspapers. Those interested in journalism must be interested in writing, be capable of independent work, and be able to meet deadlines. They also must be willing and able to spend a lot of time attending extracurricular events.

Creative Writing A – 1 Tri – 1/2 Credit (grades 11-12)

Prerequisites: Completion of Freshman English 9 A/B, Am Lit A & B

Creative Writing will give students the opportunity to explore new and different methods of writing. Students will be exploring different genres of writing in the fields of: Journal Writing (students will journal every day); Poetry; Public Relations Writing; Children's Writing and memoirs. Students will learn to create powerful characters, intense plots and strong images through the use of literary devices. The class will conclude with the creating of a professional portfolio.

Creative Writing B – 1 Tri – 1/2 Credit (grades 11-12)

Prerequisites: Creative Writing A

Creative Writing B is a continuation of Creative Writing A and will give students the opportunity to explore new and different methods of writing. Students will be exploring different genres of writing in the fields of: Journal writing (students will journal every day); Short fiction (short stories in the areas of mystery, fantasy and realism); Non-fiction (memoirs, autobiography, and biography); Novel writing (preparing the plot development for a novel). Students will learn to create powerful characters, intense plots and strong images through the use of literary devices. Creative Writing will include the study of grammar in order to improve writing. The class will conclude with the student creating a professional portfolio.

FOREIGN LANGUAGE DEPARTMENT**German 1 A** – 1 Tri –1/2 Credit (grades 9-12)

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 A and B must contact Student Services in the spring semester prior to the new school year. Since German 1 takes two trimesters to complete, it is necessary to test out of BOTH classes to receive one full credit.

German 1 B – 1 Tri –1/2 Credit (grades 9-12)

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 – 1 Tri –1/2 Credit (grades 9-12)

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 – 1 Tri –1/2 Credit (grades 10-12)

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 – 1 Tri –1/2 Credit (grades 10-12)

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 – 1 Tri –1/2 Credit (grades 10-12)

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 – 1 Tri –1/2 Credit (grades 11-12)

Prerequisite: Successful completion of German 3B with a C 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 – 1 Tri –1/2 Credit (grades 11-12)

Prerequisite: Successful completion of German 4A with a C 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 – 1 Tri –1/2 Credit (grades 9-12)

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, beginning vocabulary and grammar. Spanish 1A will complete units 1, 2, 3 and will culminate with a final assessment.

NOTE: A student wishing to test out of Spanish 1 A and B must contact Student Services in the spring semester prior to the new school year. Since Spanish 1 takes two trimesters to complete, it is necessary to test out of BOTH classes to receive one full credit.

Spanish 1 B – 1 Tri –1/2 Credit (grades 9-12)

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 will complete units 4, 5, 6 and will culminate with a final assessment.

Spanish 2 A – 1 Tri –1/2 Credit (grades 9-12)

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 will complete units 1, 2, 3 and will culminate with a final assessment.

Spanish 2 B – 1 Tri –1/2 Credit (grades 10-12)

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 will complete units 4, 5, 6 and will culminate with a final assessment.

Spanish 3 A – 1 Tri –1/2 Credit (grades 10-12)

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 – 1 Tri –1/2 Credit (grades 10-12)

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 – 1 Tri –1/2 Credit (grades 11-12)

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

Spanish 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 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 – 1 Tri –1/2 Credit (grades 11-12)

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

Spanish 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 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.

Note: All B level Spanish 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.

HEALTH/PHYSICAL ED DEPARTMENT

Health – 1 Tri – 1/2 Credit (grade 9) **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 TWO OF THE THREE PHYS ED CLASSES WITHIN THEIR 9th AND/OR 10th GRADES.**

Foundations of P.E. – Fall – 1 Tri – 1/2 Credit (grades 9-10)

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, and frisball. Other sports will be covered. In addition, students will be introduced to the weight room and other physical conditioning activities.

Foundations of P.E. –Winter – 1 Tri – 1/2 Credit (grades 9-10)

This course will concentrate on the team and individual sports participated in during the winter months. Examples of these sports include volleyball, pickle ball, and basketball. Other sports will be covered. In addition, students will be introduced to the weight room and other physical conditioning activities.

Foundations of P.E. – Spring - 1 Tri – 1/2 Credit (grades 9-10)

This course will concentrate on the team and individual sports participated in during the spring months. Examples of these sports include 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 - 1 Tri – 1/2 Credit (grades 9-12)

Prerequisite: Successful completion of two foundation courses or permission of department chair.

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.

Sports Medicine 1 – 1 Tri – 1/2 Credit (grades 10-12)

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 – 1 Tri – 1/2 Credit (grades 10-12)

Prerequisite: Sports Medicine 1

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.

MATH DEPARTMENT

Algebra 1A – 1 Tri – 1/2 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.

The learner will master the following units: Variables, Function Patterns, and Graphs; Rational Numbers; Solving Equations; Solving Inequalities; Graphs and Functions; Linear Equations and Their Graphs; and Systems of Equations and Inequalities.

Algebra IB – 1 Tri – 1/2 Credit **Required Course**

Prerequisite: Algebra 1A

This course is a continuation of the studies students started in Algebra I A.

The learner will master the following units: Exponents and Exponential Functions; Polynomials and Factoring; Quadratic Equations and Functions; Radical Expressions and Equations; and an Introduction to Statistics.

Year Long Algebra I– 3 Tri – 1 ½ Credits (1 math credit and ½ elective credit)

Prerequisite: Must have averaged a C- or lower in 8th grade math courses **OR**
8th grade Teacher Recommendation

This course is ***only*** for students who have had a history of difficulty in mathematics but have a strong work ethic and a commitment to success. This course will cover the same content as Algebra IA and Algebra 1B listed above, but the pace will be slower and more remediation will be made available to help support struggling math students.

Geometry A – 1 Tri – 1/2 Credit **Required Course**

Prerequisite: Algebra IB

This course is designed to provide the foundations for geometry and to apply geometric concepts and mathematical reasoning in a variety of contexts including but not limited to proofs, points, lines, planes, angles, triangles, congruence, construction, transformations, parallel and perpendicular relationships. The geometric instructional design will involve spiral learning, online support, student engagement, algebraic thinking, and assessment for student understanding.

Geometry B – 1 Tri – 1/2 Credit **Required Course**

Prerequisite: Geometry A

This course is designed to provide the foundations for geometry and to apply geometric concepts and mathematical reasoning in a variety of contexts including but not limited to similarity, trigonometry, perimeter, area, volume and transformations, quadrilaterals and circles. The geometric instructional design will involve spiral learning, online support, student engagement, algebraic thinking, and assessment for student understanding.

Year Long Geometry– 3 Tri – Credits (1 math credit and ½ elective credit)

Prerequisite: Must have averaged a C- or lower in Algebra I, taken Algebra I 3t **OR**
Algebra I Teacher Recommendation

This course is ***only*** for students who have had a history of difficulty in mathematics but have a strong work ethic and a commitment to success. This course will cover the same content as Geometry A and Geometry B listed above, but the pace will be slower and more remediation will be made available to help support struggling math students. Projects will be used to connect the content to real world applications to help students realize the importance geometry in construction, art and design.

****We offer two different options for Algebra II. Although both courses cover the same content, the content in YL Algebra II is covered at a slower pace and is completed in three trimesters. Some topics in the 3-trimester course are not covered as in depth and thus may cause students to struggle in more advanced classes later. A general guideline**

to follow is YL Algebra II is recommended for students who average a C or lower in their high school math classes. Students who will be taking Precalculus, Calculus and AP Calculus should take regular Algebra II in 2 trimesters.

Algebra II A – 1 Tri – 1/2 Credit Required Course

Prerequisite: Geometry A and B

This course 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.

The learner will master the following units: Tools of Algebra; Functions, Equations, and Graphs; Linear Systems; Matrices; Quadratic Equations and Functions; Polynomials and Polynomial Functions; Radical Functions and Rational Exponents.

Algebra II B - 1 Tri – 1/2 Credit Required Course

Prerequisite: Algebra II 2TA

This course is a continuation of the studies students started in Algebra II A.

The learner will master the following units: 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.

Year Long Algebra II - 3 Tri – 1 1/2 Credit Required Course

Prerequisite: Geometry A and B

This course is ***only*** for students who have had a history of difficulty in mathematics but have a strong work ethic and a commitment to success. This course 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.

This course will cover the same content as Algebra II A & B, listed above, but the pace will be slower and more remediation will be made available to help support struggling math students.

Math Concepts for Seniors – 1 Tri – 1/2 Credit

Prerequisite: Year Long Algebra II or Algebra II

This course is a great option for students who need another math credit or want a math course their senior year that will be less demanding than Statistics or Precalculus.

Discrete mathematics is a contemporary field of mathematics that is widely used in business and industry. It is sometimes called the mathematics of computers and is integer based.

Students will study a variety of mathematical strands that are connected to real-world context through the use of investigations, group work, technology and lecture. Emphasis will be placed

on mathematical modeling, representing and displaying data, predicting from data, and simulation as well as algebraic reasoning.

The learner will master the following units: Statistics, Discrete Models of Change; Probability; Graph Theory; and Counting Models.

Precalculus A – 1 Tri –1/2 Credit

Prerequisites: Algebra II

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.

The learner will master the following units: Functions and Graphs; Polynomial, Power, and Rational Functions; Exponential, Logistics, and Logarithmic Functions.

Precalculus B – 1 Tri –1/2 Credit

Prerequisites: Precalculus A

This course is a continuation of the studies students started in Precalculus A.

The learner will master the following units: Trigonometric Functions; Analytic Trigonometry; Applications of Trigonometry; Systems and Matrices; Analytic Geometry in Two and Three Dimensions; Probability and Statistics.

Statistics A – 1 Tri –1/2 Credit

Prerequisites: Algebra II

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.

Students will master the following concepts: Uni-variate Data and Standard Normal Distributions; Experimental Design; Bi-variate Data including Regression and Correlation; Binomial Distributions/Probability; Distributions of Sample Means.

Statistics B – 1 Tri – 1/2 Credit

Prerequisites: Statistics A

This course is a continuation of the studies students started in Statistics A. Students will master the following concepts: Control Charts; Statistical Inference; P-values and Z-scores; Normal Distributions; t-Distributions; Chi-Squared Distributions; Inferences on Proportions.

Advanced Placement Statistics A – 1 Tri – 1/2 Credit

Prerequisites: Algebra II

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 test 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. The learner will master the following units: Describing Data; Experimental Design; Regression and Correlation; Binomial Distributions/Probability.

Advanced Placement Statistics B – 1 Tri – 1/2 Credit

Prerequisites: AP Statistics A

This course is a continuation of the studies students started in AP Statistics A. The learner will master the following units: Sampling Distributions; Statistical Inference; P-values and Z-scores; Variance Analysis.

Calculus Options

At Caledonia High School, we offer three different options for Calculus. They are:

Calculus which covers roughly the same content as a first course in calculus at the college level, but at a slower pace than its AP counterpart. It is a two-trimester course.

AP Calculus AB is equivalent to a Calculus I course at the college level with a focus on preparing students for the College Board AB test in May. It is a two-trimester course. A student may earn college credit for Calculus I with this course.

AP Calculus BC is equivalent to Calculus I and Calculus II at the college level. This course also focuses on preparing students for the College Board BC test in May. It is a three-trimester course. A student may earn college credit for Calculus I and Calculus II with this course.

Calculus A – 1 Tri – 1/2 Credit

Prerequisites: Precalculus

This course will serve as an introductory course to help better prepare students for college calculus. This course assumes a traditional approach in examining derivatives. As an overview, students will find the rate of change of a function by getting a view of the role calculus plays in describing how rapidly things change. Students will calculate derivatives rapidly. They will solve applications involving the use of derivatives including work with transcendental functions such as the six trig functions, exponential and logarithmic functions.

The learner will master the following units: Review of Pre Calculus; Limits, Continuity and Rate

of Change; Derivative Rules; Applications of Derivatives

Calculus B – 1 Tri –1/2 Credit

Prerequisite: Calculus A

This course will serve as an introductory course to help better prepare students for college calculus. This course assumes a traditional approach in examining integrals. As an overview, students will work with the Fundamental Theorem of Calculus. Students will calculate anti derivatives rapidly, integrate functions and find all the functions that have a given derivative. They will solve applications involving the use of anti derivatives.

The learner will master the following units: Anti derivatives and Integration; Constructing Anti derivatives; Applications using Integrals.

Advanced Placement Calculus AB-A - 1 Tri –1/2 Credit

Prerequisite: Pre Calculus

This course is equivalent to a first semester college Calculus 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. The pace of the course is very fast so that the students are prepared for the College Board Advanced Placement exam, which is given the first week in May. Only students who can learn quickly with little repetition, and who are interested in earning college credit should take this course. Second semester college calculus topics will be covered after the AP Test in May.

The learner will master the following units: Limits Continuity and Derivatives; Shortcuts to Differentiation; Applications using the Derivative; Anti derivatives and Integration.

Advanced Placement Calculus AB-B – 1 Tri –1/2 Credit

Prerequisites: AP Calculus AB-A

This course is a continuation of the studies students started in AP Calculus AB A.

The learner will master the following units: Constructing Anti derivatives; Applications using Integrals; Differential Equations and Slope Fields; Review for the College Board Exam.; Advanced Calculus Topics: Series, Trig Integrals, Center of Mass.

Advanced Placement Calculus BC-A – 1 Tri –1/2 Credit

Prerequisite: Precalculus B

This course is equivalent to the first two semesters of a college level Calculus course (i.e. Calc I and

Calc II). 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 the students are

prepared for the AP Calculus BC Exam in early May. Advanced Calculus topics will be covered after the AP test.

The learner will master the following units: Limits and Continuity; The Derivative (Interpretations and Rules); Applications of Derivatives.

Advanced Placement Calculus BC-B - 1 Tri –1/2 Credit

Prerequisite: AP Calculus BC-A

The learner will master the following units: The Definite Integral (Meaning and Rules); Differential

Equations; Applications of the Definite Integral.

Advanced Placement Calculus BC-C – 1 Tri –1/2 Credit

Prerequisite: AP Calculus BC-B

The learner will master the following units: Parametric, Vector and Polar Functions; Sequences and Series; Review for the College Board Exam.

MUSIC DEPARTMENT

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

Chamber Orchestra – 3 Tri – 1.5 Credits (grades 10-12, by audition)

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

The CHS Chamber Orchestra is a year-round class open to all 10th, 11th, and 12th grade string players by audition only. 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 both in and out of class. Throughout the year, chamber orchestra students will perform masterworks from the full orchestra repertoire, and are required to be members of the zero hour Symphony Orchestra class. Chamber Orchestra will perform five times per year and also participates in MSBOA Festival. Attendance at regularly scheduled concerts and rehearsals will be required and outside practice is expected in order to master the skills required to perform the music. Chamber Orchestra is a three-trimester commitment and special permission from the instructor is needed to enroll for less time. Auditions will take place during the previous school year in the Spring.

Concert Orchestra – 3 Tri – 1.5 Credits (grades 10-12)

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, improvisation skills, music theory, and string orchestra repertoire. Additionally, concert orchestra students will combine with the Symphony Orchestra to perform a variety of full orchestra masterworks. Participation in the zero hour Symphony Orchestra is highly encouraged. Concert Orchestra will perform five times per year and also participates in MSBOA Festival. Attendance at regularly scheduled concerts and rehearsals will be required and outside practice is expected in order to master the skills required to perform the music. Concert Orchestra is a three-trimester commitment and special permission from the instructor is needed to enroll for less time.

Freshman Orchestra – 3 Tri – 1.5 Credits (grade 9)

Prerequisite: Participation in the middle school orchestra program or permission of the instructor. 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 rapidly develop and hone their technical and musical skills. Students will study and perform a wide variety of repertoire while focusing on instrument technique, ensemble skills, improvisation, music theory, and history. Freshman Orchestra performs five concerts per year and also participates in MSBOA Festival. Attendance at regularly scheduled concerts and rehearsals will be required and outside practice is expected in order to master the skills required to perform the music. Freshman Orchestra is a three-trimester commitment and special permission from the instructor is needed to enroll for less time.

Symphony Orchestra – 3 Tri – .75 Credits (grades 9-12 - Meets before school Tuesday, Friday, during 0 hour)

Prerequisite: Participation in Chamber/Concert Orchestra or Instructor Permission

Symphony Orchestra is offered 0-period two days per week, on Tuesday and Friday mornings. It is open to any string player participating in a school-day ensemble and also includes a full complement of wind, brass, and percussion players based on recommendation from the Band Director. Symphony Orchestra will explore the full range of symphonic repertoire from the late Classical through Romantic time periods. Little time will be spent on technical development as students will be expected to develop a solid foundation during the school-day classes. Rehearsals will be focused on repertoire and full orchestra ensemble skills. Attendance at regularly scheduled concerts and rehearsals will be required and outside practice is expected in order to master the skills required to perform the music.

Treble Choir A, B, C – 3 Tri – 1.5 Credits (grades 9-12)

Treble Choir is open to women, 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 Choir are required to participate in four concerts as well as the MSVMA District Choral Festival. This is a three-trimester course and special permission from the instructor is needed to enroll for less time.

Men's Ensemble A, B, C – 3 Tri – 1.5 Credits (grades 9-12)

Men's Ensemble is open to men, 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 Men's Ensemble are required to participate in four concerts as well as the MSVMA District Choral Festival. This is a three-trimester course and special permission from the instructor is needed to enroll for less time.

Choralaire A, B, C – 3 Tri – 1.5 Credits (grades 11-12, by audition; 10th by permission of instructor, & audition, minimum of 1 year experience in Treble Choir or Men's Ensemble)

Choralaire 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 Choralaire will also participate in four concerts and the MSVMA District Choral Festival. Choralaire students are required to be enrolled all three trimesters. Prerequisite: minimum of one year experience in Treble Choir or Men's Ensemble.

Women's Choir A, B, C – 3 Tri – 1.5 Credits (grades 10-12, by audition, minimum of 1 year experience in Treble Choir)

Women's Choir is open to women, 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 Women's Choir will participate in four concerts as well as the MSVMA District Choral Festival. Women's Choir students are required to be enrolled for all three trimesters. Prerequisite: minimum of one year of experience in Treble Choir.

Freshmen Band – 3 Tri – 1.50 Credits (grades 9)

Prerequisites: Middle School 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.

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

Band is a three-trimester commitment. The consistency of being in band three trimesters 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 1st trimester concert band for three trimesters, he or she should discuss it with Mr. Wellfare

Symphonic Band– 3 Tri – 1.50 Credits (grades 10-12 with instructor permission)

Prerequisites: Freshman 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.

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

Band is a three-trimester commitment. The consistency of being in band three trimesters 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 1st trimester concert band for three trimesters, he or she should discuss it with Mr. Wellfare

Wind Ensemble – 3 Tri – 1.50 Credits (grades 11-12, by audition only, 10th Grade with Permission/audition)

Prerequisites: Freshman Band, Symphonic Band

Wind Ensemble is open to students grades 11-12 through audition only, or sophomores through audition and special permission from the instructor. 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.

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

Band is a three-trimester commitment. The consistency of being in band three trimesters 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 be enrolled all three trimesters.**

1st Trimester Concert Band - 1st Tri - .5 Credits (grades 9-12, no audition)

No Audition is required for 1st Trimester Concert Band.

This class will be offered 1st trimester 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 play a Brass, Woodwind, or Percussion Instruments. Students will study High School Level instrumental ensemble literature and intermediate/advanced levels of instrumental technique. During the 2nd and 3rd Trimesters students will transfer into Freshman Band (9th Graders), Symphonic Band, or Wind Ensemble.

Band is a three-trimester commitment. The consistency of being in band three trimesters 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 three trimesters, he or she should discuss it with Mr. Wellfare

Marching Band: 3 tri – 1.50 credits (grades 9-12)

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

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. 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 and third trimesters. Members of the color guard (who are not instrumentalists also) must sign up for

marching band during the first trimester, but do not have to sign up for band during the second or third trimesters.

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 fund-raisers to help off set 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 three-trimester commitment. The consistency of being in band three trimesters 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 three trimesters, he or she should discuss it with Mr. Wellfare

Jazz Band – 3 Tri -.75 Credit (grades 9-12 - Meets before school Monday, Wednesday and Thursday during 0 hour)

Prerequisite: Concurrent participation in Marching Band, 1st tri 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 three-trimester commitment. The consistency of being in Jazz band three trimesters 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 all three trimesters.**

SCIENCE DEPARTMENT

Biology A – 1 Tri –1/2 Credit (grade 9) – **Required Class**

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; Cell Structure & Function; Lab Procedures; The Scientific Method; Organic Chemistry; Ecology

Biology B – 1 Tri – 1/2 Credit (grade 9) – **Required Class**

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: The Scientific Method; Classification: Laboratory Procedures; Cell Division; Mendelian Genetics; Genetic Variation; Nucleic Acid Structure and Function; Natural Selection; Theory of Evolution; Population Dynamics; Homeostasis; Human Systems; Microbiology

Physical Science A – 1 Tri –1/2 Credit (grade 10-11)

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 A focuses primarily on the Chemistry objectives from the Michigan Next Generation Science Standards.

The major topics covered in this course will be: Metric System; Lab Techniques; Phases of Matter; Atomic Structure; Periodic Table; Matter; Ions and Isotopes; Basic Stoichiometry; Chemical Bonding; Chemical Reactions; Acids/Bases; Nuclear Chemistry.

Physical Science B – 1 Tri –1/2 Credit (grade 10-11)

Prerequisites: Physical Science 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 B focuses primarily on the essential Physics objectives from the Michigan Next Generation 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; Electricity and Magnetism.

Advanced Placement Biology – 3 Tri – 1.50 Credits (grades 11-12)

Prerequisites: Biology A & B, Chemistry A & B (strongly recommended)

AP Biology is a course designed to provide juniors and/or seniors with a 3 trimester, 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

Chemistry 1A - 1 Tri –1/2 Credit (grades 10-12)

Prerequisites: Algebra - 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: Introduction to Chemistry; Chemical Bonding; The Periodic Table and Atomic Structure; The Math of Chemistry

Chemistry 1B - 1 Tri –1/2 Credit (grades 10-12)

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: Solution Chemistry; Ideal Gases; Acids, Bases, and Salts; Nuclear Chemistry

Year Long Chemistry – 3 Tri - 1/2 Credit (.50 per trimester)

Grades: 11, 12

By recommendation only!

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.

STUDENTS MUST TAKE THREE TRIMESTERS OF CHEMISTRY YEAR LONG

Advanced Placement Chemistry – 3 Tri – 1.50 Credits (grades 11-12)

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

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

Agribusiness – 1 Tri –1/2 Credit (grades 9-12)

This course is designed to give the student the practical knowledge and skills necessary to effectively develop manage business operations in an agricultural context. Students will focus basic components of business management such as building a plan with a mission, creating and analyzing research and statistical questionnaires, marketing and financing, types of business as well as rules and regulations to follow. Students will focus on marketing through the development of a marketing plan. Students will also learn about the key components of agricultural sales while evaluating income and expenses related to labor, capital and operating costs. This will continue with an investigation of accounting, lending, credit, insurance and taxes.

Environmental Science – 1 Tri –1/2 Credit (grades 10-12)

Prerequisite: Biology

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.

Equine Science - 1 Tri –1/2 Credit (grades 10-12)

Prerequisite: Completion of Veterinary Science, Horticulture, Leadership FFA and Natural Resources

Students will be introduced to the equine industry and its scope and importance. Instruction will emphasize an experiential approach toward the application of scientific principles in an agricultural context. Students will learn the origin, domestication, and classification of equine. They will continue by exploring digestive systems and principles of feeding and care with a

discussion of genetics, inheritance, and reproduction of equine. Students will study health, maintenance, and disease control, followed by a unit dealing with evaluation and selection. Units dealing with equine operations management, marketing and careers will end the course.

Food Science A – 1 Tri –1/2 Credit (grades 10-12)

Prerequisite: Biology A & B or concurrently

Students will explore the food industry from perspectives such as 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, and investigate principles of nutrition labels. Study will continue into the composition of foods, 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 method to improve food related issues.

Food Science B – 1 Tri –1/2 Credit (grades 10-12)

Prerequisite: Biology A & B or concurrently, and Food Science A within same academic year

Students will explore the food industry from perspectives such as 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 learn to evaluate foods and the affects they have on the human body.

Geology & Astronomy – 1 Tri – 1/2 Credit (grades 10-12)

Prerequisite: Biology

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.

Horticulture – 1 Tri –1/2 Credit (grades 9-12)

Prerequisite: Biology A & B or concurrently

Course content will focus primarily on Horticulture 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.

Human Anatomy and Physiology I – 1 Tri –1/2 Credit (grades 10-12)

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 and Physiology II – 1 Tri – ½ Credit (grades 10-12)

Prerequisite: 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)

FFA Leadership - 1st Trimester– ½ credit (grades 9-12)

FFA Communications - 2nd Trimester - ½ credit (grades 9-12)

FFA Careers - 3rd Trimester - ½ credit (grades 9-12)

Students will develop personal leadership skills and learn how to contribute effectively as active members of the Caledonia FFA chapter. Instruction will emphasize an experiential approach toward the application of leadership and scientific principles in an agricultural context. Students will be involved with a minimum of one outside class FFA activity each trimester. These activities will complement concepts in leadership, communication, group dynamics, personal development and career success. *The first trimester will focus on leadership and service through the FFA. The 2nd trimester class will prepare students for public speaking, parliamentary procedure and team presentation competition through FFA. The third trimester will focus on careers in agriculture and natural resources with student competitions at MSU.*

Microbiology – 1 Tri –1/2 Credit (grades 10-12)

Prerequisites: Biology A & B

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

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

Natural Resources – 1 Tri – ½ Credit (grades 9-12)

Elective Science Class

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.

Physics A – 1 Tri –1/2 Credit (grades 11-12)

Prerequisites: Biology A & B, Math 2, Geom/Adv Alg or Pre Calculus (can be taken concurrently) If students are going to take both Chemistry 1A and 1B, as well as Physics A and B, it is recommended they take chemistry first.

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 – 1 Tri –1/2 Credit (grades 11-12)

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

A. P. Physics 1 - 3Tri - 1.50 Credits (grades 11-12)

Prerequisites: Biology, Chemistry, 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 - 3Tri - 1.50 Credits (grades 11-12)

Prerequisites: Biology, Chemistry, Precalculus (can be taken concurrently), AP Physics 1 (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.

Advanced Placement Physics C - 3Tri - 1.50 Credits (12th grade)

Prerequisites: Biology, Chemistry, 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.

Veterinary Science – 1 Tri – 1/2 Credit (grades 9-12)

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.

SOCIAL STUDIES DEPARTMENT

World History A – 1 Tri –1/2 Credit (grade 9) **Required Course**

Prerequisite: Successful completion of 8th grade Social Studies Classes

World History/Geography 300BC – 1500 BC will cover: World Historical and Geographical Habits of the Mind and Central Concepts; Systems of Human Organizations; Growth and Development of World Religions; Regional Interactions

World History B – 1 Tri –1/2 Credit (grade 9) **Required Course**

Prerequisite: Successful completion of 8th grade Social Studies Classes

World History/Geography 18th Century to Present will cover: Global or Cross-temporal Expectations; Interregional or Comparative Expectations; Regional Content Expectations; Global Crisis and achievement – 1900-1945; The Cold War and its aftermath – 1945 - Present

American History A – 1 Tri –1/2 Credit (grade 10) – **Required Course**

American History A offers a chronological and thematic overview of America's Industrial Revolution through WWII.

American History B – 1 Tri –1/2 Credit (grade 10) – **Required Course**

American History B offers a chronological and thematic overview of America's past starting with Cold War through current events in American history.

Advanced Placement American History A, B, C – 3 Tri – 1.5 Credits (grade 10-12)

The Advanced Placement American History class is designed to provide students with the analytical skills and factual knowledge necessary to deal with the problems and materials in American History. This course is for students capable of doing college-level work in history. Since this is a college level class, grading will be weighted. This course takes the place of American History A & B.

Advanced Placement World History – 2 Tri – 1.0 Credit (grades 10-12)

Prerequisite: American History A & B

This course takes the place of both trimesters of required World History for seniors, or can be taken as an elective by a junior or senior who has completed both trimesters of required World History successfully.

The purpose of the Advanced Placement World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. 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.

Government A- 1 Tri –1/2 Credit (grade 11) – **Required Course**

Prerequisite: World History/Geography, American History

This course is intended to give students general knowledge of the theory and history behind American government and how economics relate to our form of democracy. This will allow students to understand the topics discussed in their trimester of Government A.

Government B- 1 Tri –1/2 Credit (grade 11) – **Required Course**

Prerequisite: World History/Geography, American History

This course is intended to give students a practical knowledge of the institutions of American Government. This will allow students to understand the functionality of American Government and how to participate in the government.

Advanced Placement United States Government and Politics – 2 Tri – 1.0 Credit (grades 11-12)

Prerequisite: World History/Geography, American History

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

Economics - Principles in Action – 1 Tri –1/2 Credit (grades 11-12) - **Required Course for 12th grade**

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 the 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.

America at War - 1 Tri – ½ credit (Grades 11,12)

Prerequisite: None

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.** Students will also participate in the Veterans History Project that is funded and organized by the Library of Congress.

Behavioral Studies A – 1 Tri –1/2 Credit (grades 11-12)

Behavioral Studies A 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.

Behavioral Studies B – 1 Tri –1/2 Credit (grades 11-12)

Prerequisite: Behavioral Studies A

Behavioral Studies B is an interdisciplinary course encompassing the disciplines of anthropology, psychology, and sociology. Behavioral Studies B focuses 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.

Psychology A – Introduction through Perception – 1 Tri –1/2 Credit (grades 11-12)

Psychology A provides an introduction to and overview of the following fields in Psychology: Introduction to Psychology; Brain and Nervous Systems; Conscientious and Sleep; Sensation and Perception; Motivation and Emotion.

Psychology B – Motivation through Disorders – 1 Tri –1/2 Credit (grades 11-12)

Prerequisite: Psychology A

Psychology B provides an introduction to and overview of the following fields in Psychology: Learning; Social Psychology; Memory and Cognition; Abnormal Psychology; Development.

Current Events – 1 Tri –1/2 Credit (grades 11-12)

Current events will cover specific events of the day. The class will look at events and analyze how citizens view the issues they face through multiple perspectives. These perspectives will offer many standpoints on one single issue or event. Current events will be the driving force behind this class, therefore as events change, the class will change.

New Frontiers, A Study of the American Dream – 1 Tri –1/2 Credit (grades 9-10)

New Frontiers is the study of the American Dream. It travels through major events in United States history that challenged the country to be successful, even when it seemed impossible. Units of study include; Rebels and Revolution, Wild West, Titans of Industry vs. Robber Barons, and The New Frontier of the Internet and Social Media. The primary focus is to study how Americans have been able to succeed in challenging situations and evolve into the great nation it is today.

Ethnic Studies – 1 Tri –1/2 Credit (grades 9-12)

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.

Trial Techniques - 1 Tri - ½ Credit (grades 9-12)

Students have the opportunity to experience a court case firsthand in the class, Trial Techniques. They will receive court case materials such as police reports and witness statements which are used to create a case for trial. Students take on roles of attorneys and witnesses and compete against other schools in a real courtroom in front of a real judge and jury of practicing lawyers.

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.

SPECIAL ED DEPARTMENT

Encore Algebra 1 A, B, C - 3 Tri – 1.5 Credits (grade 9)

Prerequisite: Student Services Office Approval

Encore Algebra 1 A,B,C is a course designed to supplement those learners who need extra support in mathematics, primarily Algebra I. This course will focus on the concepts, ideas, and formulas being introduced in Algebra I and allow students extra time to be taught these ideas. Encore Algebra 1 will also incorporate Pre-Algebra review, pre-teaching, re-teaching of the Algebra I content, and provide students with some independent work time and an opportunity to receive assistance with homework for math related content. This course will also serve as a review and preparation for the SAT/Mstep test and its math components. This class may be taken for one, two or three trimesters of the ninth grade year.

Encore Geometry A, B, C - 3 Tri – 1.5 Credits (Grade 10)

Prerequisite: Student Services Office Approval

Encore Geometry A, B, C is a course designed to supplement those learners who need extra support in mathematics, primarily Geometry. This course will focus on the concepts, ideas, and formulas being introduced in Geometry and allow students extra time to be taught these ideas. Encore Geometry will also incorporate Algebra review, pre-teaching, re-teaching of the Geometry content, and provide students with some independent work time and an opportunity to receive assistance with homework for math related content. This course will also serve as a review and preparation for the SAT/Mstep test and its math components. This class may be taken for one, two or three trimesters of the tenth grade year.

Encore Algebra II A, B, C - 3 Tri – 1.5 Credits (Grade 11)

Prerequisite: Student Services Office Approval

Encore Algebra II A,B,C is a course designed to supplement those learners who need extra support in mathematics, primarily Algebra II. This course will focus on the concepts, ideas, and formulas being introduced in Algebra II and allow students extra time to be taught these ideas. Encore Algebra II will also incorporate Algebra and Geometry review, pre-teaching, re-teaching of the Algebra II content, and provide students with some independent work time and an opportunity to receive assistance with homework for math related content. This course will also serve as a review and preparation for the SAT/Mstep test and its math components. This class may be taken for one, two or three trimesters of the eleventh grade year.

Encore English 9 A, B, C – 3 Tri – 1.5 Credits (grade 9)

Prerequisite: Student Services Office Approval

Encore English 9 A,B,C is a class designed to support students to be successful in school and plan for a successful transition from high school. Students will work on grammar skills, which align with the 9th grade curriculum. They will also focus on Reading Comprehension packets, which will provide them with practice for the SAT/Mstep test. In addition, students will practice reading fluently and decoding. Students will also explore characteristics of effective high school students and learn how to advocate with and talk to teachers. This course may also explore time management, improve their skills in decision-making, and the importance of planner usage. Students will also have an opportunity to receive support with composition skills and written assignments from other classes. Student work time must be used wisely or students will be given appropriate work to do. This class may be taken for one, two, or three trimesters of the ninth grade year.

Encore American Literature A, B, C – 3 Tri – 1.5 Credits (grade 10)

Prerequisite: Student Services Office Approval

Encore American Literature A,B,C is a class designed to support students to be successful in school and plan for a successful transition from high school. Students will work on grammar skills, which align with the 10th grade curriculum. They will also focus on Reading Comprehension packets, which will provide them with practice for the SAT/Mstep test. In addition, students will practice reading fluently and decoding and discuss current events in their community. Students will also explore characteristics of effective high school students and learn how to advocate with and talk to teachers. This course may also explore conflict management, personal wellness, and transitional planning while preparing students to take the SAT/Mstep.. Students will also have an opportunity to receive support with composition skills and written assignments from other classes. Student work time must be used wisely or students will be given appropriate work to do. This class may be taken for one, two or three trimesters of the tenth grade year.

Encore English 11 A, B, C – 3 Tri – 1.5 Credits (grade 11)

Prerequisite: Student Services Office Approval

Encore English 11 A,B,C is a class designed to support students to be successful in school and plan for a successful transition from high school. Students will work on SAT/Mstep practice writing and reading tests and learn test taking tips for taking the SAT/Mstep. They will work on grammar skills that align with the 11th grade curriculum. This course may also explore conflict management, personal wellness, and transitional planning while preparing students to take the SAT/Mstep. In addition to providing a class where students can improve their skills in decision-making and effective communication, students will also have an opportunity to receive support with composition skills and written assignments from other classes. Student work time must be used wisely or students will be given appropriate work to do. This class may be taken

for one, two, or three trimesters of the eleventh grade year.

Encore Senior English A, B, C - 3 Tri – 1.5 Credits (grade 12)

Prerequisite: Student Services Office Approval

Encore Senior English A,B,C is a class designed to support students to be successful in English classes and plan for a successful transition from high school. This course will also engage students to improve reading comprehension, reading decoding, and written expression through reading and writing activities and assignments. In addition to providing a class where students can improve their skills in decision-making and effective communication, students will also have an opportunity to receive support with composition skills and written assignments from other classes after Learning Strategy assignments are completed. Students should plan to come to this class with general education coursework started and use Learning Strategy time to get support. This class may be taken for one, two, or three trimesters of the twelfth grade year.

OTHER ELECTIVES

Dynamics for Student Success – 1 Tri - 1/2 Credit (grades 9-12)

Elective class

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 issues.

The major outcomes of this course include:

Developing a strong work ethic

Completing and turning in quality work

Understanding appropriate time management

Learning proper study habits

Receiving academic assistance

Setting future goals

Improving interpersonal skills

Promoting positive teacher/student relationships

Encouraging students to get involved in school and community activities.

Leadership/Student Council – 1 Tri –1/2 Credit (grades 9-12) (2 Trimesters with Instructor Approval Only)

Prerequisite: Application only. **Applications are available on line only at:**
<https://sites.google.com/a/calschools.org/studentcouncil/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 administration. The class frequently includes time commitments outside of the normal school day; please see Mr. Remenap 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.

Theatre Arts – 1 Tri – 1/2 Credit (grades 9-12)

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. Theatre 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 theatre. A performance-based final assessment will be required to earn credit.

Dual Enrollment - 2 Tri – 1.0 Credit (grades 9-12)

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 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.

***Student must fill out an application in Student Services

Credit: Eligible students will receive one credit on their transcript (.50 credit per trimester). This grade will be added into their GPA.

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

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

Independent Study – 1 Tri –1/2 Credit (grades 11-12)

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, outline of what you intend to study, deadlines, etc. The principal will either accept or deny the proposal.

***Student must fill out an application in Student Services.

Kent Career Tech Center – 3 Tri – 2 Macros per Tri – 1 Credit per Tri (grades 11-12)

Elective Course – Students interested in taking any of these KC/TC options MUST complete an INTERN 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. Sign up and registration are completed when scheduling for 11th and 12th grades. Students must complete an intern 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 KC/TC 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 KC/TC. 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 www.KC-TC.org

STUDENTS INTERESTED IN KENT CAREER/TECHNICAL CENTER OFFERINGS SHOULD SEE THEIR COUNSELOR - MRS PIENTA, MRS. SCOTT 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 KC/TC 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.

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

LINKS – 1 Tri – ½ Credit (grades 9-12) Instructor Approval Only

Prerequisite: Application only.

Applications are available on-line only at: <https://sites.google.com/a/calschools.org/links/>

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 student will be with their assigned peer a minimum of one class period per day, and they will be interacting with their peer throughout 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 their 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.

On-Line Learning – 1 Tri – 1/2 Credit (grades 9-12)

Students have the opportunity to take on line 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.

Students who are interested in taking online classes during the 16-17 school year, must register and turn in their application before May 1st of this school year (May 1, 2016)

Graduation Total Credits:

| | |
|---------------|---------------|
| Class of 2018 | 28.75 credits |
| Class of 2019 | 28.75 credits |
| Class of 2020 | 28.75 credits |
| Class of 2021 | 28.75 credits |

TESTING OUT

Public Act 335, Section 1279B of the State Code, requires that all high school students be offered a test out of any course offered by his/her high school. The testing out option is for all courses, however students may not test out above or below the normal sequence of courses. Students must test out of both sections of a course. For instance, if a course has an A & B part, the student must test out of both (ie Spanish 1A & 1B). Students must exhibit mastery of course content with a C+ or better on a comprehensive exam. Grade earned will be posted on the transcript and added into the student's overall GPA.

