Course Description Book

2023-2024

Oakfield High School

Our Roots Run Deep

Our Branches Stretch Far

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School District of Oakfield
250 Church Street
P.O. Box 39
Oakfield WI. 53065

INTRODUCTION

The Oakfield High School Course Description book contains information for students and parents about courses offered at Oakfield High School. This information will assist you in making decisions about next year's courses.

Course selections should be guided by information collected from several sources: graduation requirements, student strengths and interests, parents, advisors and printed materials. This planning guide is subdivided by departments and includes descriptions of class offerings, recommendations and instructions. Please read the information carefully.

All courses, including Career and Technical Education course are available without discrimination based on race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex (including transgender status, change of sex or gender identity), disability, age (except as authorized by law), military status, or physical, mental, emotional, or learning disability in any of its student programs and activities.

Regardless of how carefully courses are organized, how programs are planned and how faculty assignments are made, it may be necessary to cancel a class or change a program due to federal or state mandates, agency regulations or insufficient enrollment. School officials reserve the right to alter or cancel academic or extracurricular activities required by changing conditions.

The School District of Oakfield does not discriminate against pupils on the basis of sex, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex (including transgender status, change of sex or gender identity), disability, age (except as authorized by law), military status, or physical, mental, emotional or learning disability in any of its student programs and activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion or handicap.

GRADUATION REQUIREMENTS

The School District of Oakfield requires students to earn *26.5 CREDITS* in order to graduate from Oakfield High School.

CREDIT SCHEDULE
The number of credits required for students in an academic year is as follows:

YEAR	*CREDITS per SEMESTER*	*CREDITS per YEAR*	*CUMULATIVE CREDITS*
9	3.5	7	7
10	3.5	7	14
11	3.5	7	21
12	3.5	7	28

REQUIRED COURSES:
Students earn a minimum of twenty-six and a half (26.5) credits in order to graduate from the District. These credits must be distributed in the following subject areas:

Course	Credits
English Language Arts	4 Credits
Social Sciences	3 Credits
Mathematics	3 Credits
Science	3 Credits
Computer Literacy	.5 Credits
Financial Literacy	.5 Credits
Health	.5 Credits
Physical Education	1.5 Credits

In order to be granted a high school diploma, a student must successfully complete a civics assessment.

GENERAL INFORMATION:

All students will carry a minimum of 7 credits per year. Post-secondary educational options Early College Credit Program (UW System) or the Start College Now Program (Technical College) may be included with permission as part of the minimum. The difficulty of the subject should be considered as well as the number of subjects taken during the time you are in high school. **Any required class that a student fails for a semester will have to be made up in order to receive credit towards graduation.** This booklet has been designed to give students and parents an overview of the courses offered.

CLASS RANK DETERMINATION:

Rank in class is generally used as one indicator of scholastic achievement. It is used primarily as part of a college admission application, scholarship competition, and is also used to determine class valedictorian/ salutatorian. Class rank is determined by using a cumulative grade point average system. A grade point average is determined by using the numerical value assigned to each letter grade as listed in the student handbook. A grade point average is calculated using the summation of these values and dividing by the total number of credits. The cumulative grade point average is updated at each semester grading period and is listed on the report card. Students can find out where his/her G.P.A. ranks in numerical order in the class by contacting the high school counselor after a

semester grading period. Grades for the first 7 semesters 9-12 will be used to determine class rank for graduation. In the event of a tie for valedictorian/salutatorian, the student with the highest ACT score will have the higher class ranking.

SCHEDULE CHANGES

Due to budget constraints and state reporting requirements, the course requests and schedules must be finalized in order to allocate teaching assignments and master schedule creation. Therefore, there is very limited flexibility in making course changes once the master schedule is established. If there are compelling or serious extenuating circumstances that warrant consideration for a course change after student schedules are finalized students should complete a schedule change request form – available in the high school office. Parent and Guardian approval is required for all schedule changes. **Changes made after the third day of classes require the following steps:**

1. A conference with the school counselor to discuss the reason for dropping or adding a course.
2. A conference with or consensus of the student, the parent, the teacher of the subject to be added or dropped, the school counselor, and the principal.
3. Students will only be able to drop or add a course if every member of the above party agrees that doing so is in the best interest of the student.
4. **Drops after the third day up until mid-quarter will result in a "W" withdraw grade on the student's transcript**. No credit will be awarded. **Courses dropped after the 14th day of school will result in a failing grade. A student must remain in class until all drop procedures are completed.**

FAILED COURSES

A student receiving a grade of "F" for any Oakfield High School course may retake the Oakfield High School course and receive the higher of the two grades. The transcript will show the failing grade and the failing grade will be reflected in the cumulative GPA.

ADVANCED CREDIT, DUAL ENROLLMENT & OTHER COURSE OPTIONS

It is the State Superintendent's goal that all students in Wisconsin, regardless of where they live, should have the opportunity to earn some postsecondary credentials while still in high school. The results will be multifold: young people succeeding in college-level courses during high school and graduating high school college and career ready; increasing the number of students who go on to enroll and succeed in higher education; and reducing the total time to degree – saving students and families money.

High school students can currently earn college credit in a variety of ways at Oakfield High School, including Advanced Placement exams, Early College Credit Program (ECCP) or Start College Now, Cooperative Academic Partnership Program (CAPP through UW-Oshkosh), and transcripted credit through the Wisconsin Technical College System (WTCS).

ADVANCED PLACEMENT (AP)

Advanced Placement (AP) is a high school academic program with courses in more than 30 subjects that culminate with college-level assessments. Exams are graded on a scale of one to five, with a score of three or higher considered successful and eligible for credit or advanced standing at most colleges and universities. According to the College Board, earning a score of three or higher on an AP exam is a good predictor of a student's ability to succeed in college academic studies and graduate.

Additionally, while the AP coursework provides strong preparation for the AP exam and an introduction to college-level work, it is worth noting that students do not need to take a formal AP course to take the AP exam in a subject area. Students interested in taking an AP exam need to register with the instructor of the course. Any student wishing to take the AP exam who is either not enrolled or the school does not offer the course needs to register with the high school counselor by the AP registration due date. The district will cover the cost of all AP

exams for classes enrolled in. AP Courses offered at Oakfield High School include: AP Language & Composition, AP Literature & Composition, AP Statistics, AP Biology and AP Psychology.

YOUTH APPRENTICESHIP **Grade Levels: 11, 12**

The goal of the Youth Apprenticeship program is to provide students with an opportunity to develop skills and knowledge in a selected career field and to offer students a non-traditional educational opportunity. Students are partnered with a business through CESA 6. Students are required to have a minimum of 450 work site hours and are paid at least minimum wage. Students must be enrolled in a related academic course. Students must complete the online Youth Apprenticeship application through CESA 6, be on track to graduate, be in good academic standing, and must provide their own transportation to their work site. Job placement is not guaranteed. Youth Apprenticeship Program areas include: Agriculture, Construction, Financial Services (Banking/Accounting), Human Resources, Health Sciences, Hospitality, Information Technology (IT), Manufacturing, Marketing, STEM, and Transportation.

Four semesters elective: credit varies

Contact Ms. Bakri, school counselor, for more information

TEACHER ASSISTANT (Elementary, Middle or High School) **Grade Levels: 11, 12**

Students can apply to become a teacher assistant at the elementary school. High school or middle school teacher assistant positions are created as needed depending on teacher needs and administrative approval. See the school counselor if you are interested in a teacher assistant position.

One semester elective, No credit earned

START COLLEGE NOW (Technical Colleges) **Grade Levels: 11, 12**

EARLY COLLEGE CREDIT PROGRAM (UW system and private college) **Grade Levels: 11, 12**

These programs allow all public high school juniors and seniors who meet certain requirements (completed the 10th grade, good academic standing, no record of disciplinary problems) to take post-secondary courses at a UW College or Wisconsin Technical College System. Students earn dual credit (high school and college/university credit) for courses taken. Students may enroll to attend courses that begin in the fall of 2022. Students must complete the DPI required application and must be approved by the school counselor and principal. Deadlines are March 1 for fall semester and October 1 for spring semester.

TRANSCRIPTED CREDIT

Wisconsin high school students can earn technical college credit through transcripted credit, under which both the high school and the respective technical college provide students credit for the same course. The course is taught either by a WTCS certified technical college instructor or a high school instructor who holds a current DPI license in a related field and has been granted WTCS articulation certification. Upon successful completion of the course, grades are posted to an official technical college transcript, and credit is earned at the technical college and high school level simultaneously.

Transcripted credit allows students to earn postsecondary credits for courses taught at the high school level tuition-free.

Transcripted credit involves a written contractual agreement between the individual technical college and the school district involved, which must include a cost-neutral arrangement for the school districts and technical colleges involved, and stipulates that students are not charged for the course. All courses taken for technical college credit appear on a student's transcript, and are transferable to other technical colleges who have the same program.

Courses marked with a symbol earn Moraine Park Technical College (MPTC) credit, with a grade of C or better.

COOPERATIVE ACADEMIC PARTNERSHIP PROGRAM (CAPP)

UW Oshkosh CAPP is the **only** concurrent enrollment program in Wisconsin accredited through the National Alliance of Concurrent Enrollment Partnerships (NACEP) – a professional organization for high schools and colleges that fosters and supports rigorous concurrent enrollment. NACEP is the sole accrediting body for concurrent enrollment programs that advances quality college courses in high schools and helps these programs adhere to the highest standards so students experience a seamless transition to college and teachers benefit from meaningful, ongoing professional development.

Oakfield High School offers four CAPP courses: CAPP Physics, CAPP Chemistry 1, CAPP Chemistry 2, and CAPP Calculus.

Oakfield High School Grading Scale

Grade Scale	Grade Points
98-100 A+	4.0
94-97 A	4.0
91-93 A-	3.67
88-90 B+	3.33
84-87 B	3.0
81-83 B-	2.67
78-80 C+	2.33
74-77 C	2.0
71-73 C-	1.67
68-70 D+	1.33
64-67 D	1.0
60-63 D-	.67

Course Offerings

Agriculture
Small Animal Care
Large Animal Science
Wildlife, Forestry and Natural Resources
Greenhouse Management and Horticulture
Food Science I
Food Science II
Agricultural Business and Leadership
Landscape Design
Veterinary Science

Business Education
Computer Literacy
Financial Literacy
Business Law
Introduction to Marketing
Marketing II
Introduction to Accounting
Student Publications
Computer Science I/II
Robotics I/II

English Language Arts
English I
English II
American Literature
Senior English
Communications
Study of Film
Social Criticism Literature
Creative Writing
Science Fiction in Literature and Film
Young Adult Literature
AP Language and Composition
AP Literature and Composition

Mathematics
Algebra
Geometry
College Mathematics
Math with Business Applications
Advanced Algebra and Trigonometry
Intermediate Algebra with Applications
College Algebra and Trigonometry
CAPP Calculus
AP Statistics

Music
High School Choir
High School Band

Physical Education
Health
Physical Education I
Physical Education II
Personal Fitness

Science
Biology
Chemistry
Physical Science I/II
CAPP Physics
Anatomy and Physiology
AP Biology
CAPP Chemistry I/II

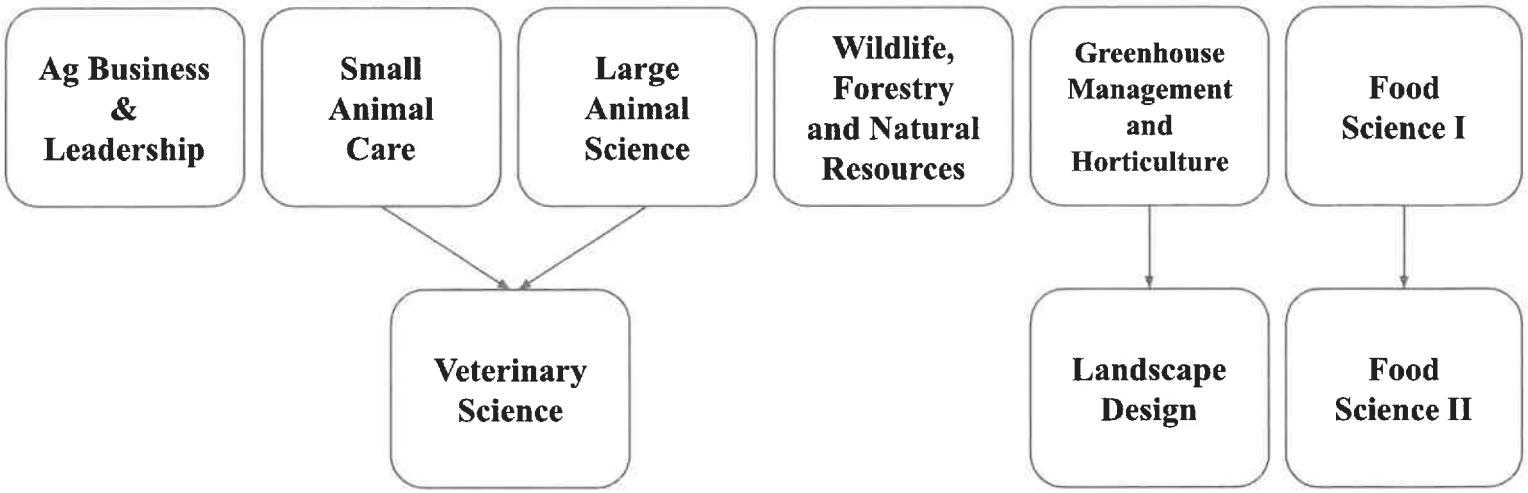
Social Sciences
Government Studies
World Civilizations
United States History of the 1900's
See America First
Current Political Leaders and Issues
Psychology I/II
Philosophy I/II
Historical Personalities
Social Issues
AP Psychology

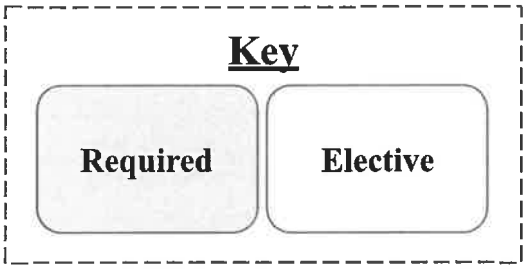
Technology Education
Introduction to Automotive
Power Mechanics
Automotive I
Automotive II
Automotive Diagnostics
Metal Manufacturing
Introduction to Welding
CAD Fab
Mechanical Design/3D Drawing (Solidworks)
Principles of Engineering

Visual Arts
Art for Everyone
Drawing I/II/III
Painting I/II/III
Ceramics I/II/III
Digital Art
3 Dimensional Art
Textiles

World Language
Spanish I
Spanish II
Spanish III
Spanish IV

AGRICULTURE





AGRICULTURE

Students enrolled in Oakfield's Agriculture Courses will also be enrolled in the Oakfield FFA; a youth organization based on premier leadership, personal growth and career success through Agricultural Education. We are an affiliated chapter, which allows all Agriculture students to take advantage of opportunities offered through the FFA as they wish. Examples of activities include local leadership development, leadership conferences, community service, national conventions, chapter meetings, and holiday gatherings. Students not actively in an Agriculture course can join FFA by filling out a membership form with the advisor. Membership fees are covered by the Oakfield FFA Alumni.

SMALL ANIMAL CARE **Grade Levels: 9, 10, 11, 12**

Companion animals are trendy in society. In this course we will study the proper care and different techniques to care for dogs, cats, rabbits, guinea pigs, pocket pets, horses, etc. Students will learn practical knowledge of pet care and explore career opportunities in the pet industry. Units of study include breeds, safe handling, nutrition, health management, reproduction, anatomy and physiology, husbandry, and diseases. Students should be ready to be exposed to animals through hands-on practical experience with classroom animals and guest animals that will be brought in. All safety precautions will be followed when handling animals. Use of guest speakers, industry tours, or virtual tours will be components of this course. This course will also address FFA and Supervised Agricultural Experiences.

One semester elective, 0.5 credit

LARGE ANIMAL SCIENCE **Grade Levels: 10, 11, 12**

Let's jump into an array of aspects in food producing animals including dairy cattle, beef cattle, sheep, swine, goats, and poultry. Students will learn to identify the major breeds and to evaluate conformation of each species. General principles of animal nutrition, housing, health management, reproduction, and marketing will be covered plus specific requirements for each species. Hands-on activities include ration formulation, development of meat animal production plans and design of animal housing. Farm field trips will demonstrate the animal management principles covered. Class presentations by producers, veterinarians, ration advisors and others will increase student awareness of career opportunities in the animal production industry. This course will also address FFA and Supervised Agricultural Experiences

One semester elective, 0.5 credit

WILDLIFE, FORESTRY AND NATURAL RESOURCES **Grade Levels: 9, 10, 11, 12**

Explore the great outdoors of Wisconsin. Students will take an in-depth look at the native species of wildlife that reside in their backyards, or down the road. Students will gain a well-rounded background of a variety of topics pertaining to Wisconsin trees/plants, navigation, outdoor survival, hunting and fishing regulations, population survival, fish, birds, large hoof animals, and rodents. Students will be able to put to test their knowledge and experiences utilizing the school grounds, local parks and woods. This course will also address FFA and Supervised Agricultural Experiences.

One semester elective, 0.5 credit

GREENHOUSE MANAGEMENT AND HORTICULTURE **Grade Levels: 10, 11, 12**

This course will expose students to all areas of the horticulture industry; from gardening to raising house plants to raising plants in a large scale operation. While taking place only during the spring semester, the class will plan, produce and market a crop of greenhouse plants, including flower and vegetable bedding plants, perennials and houseplants in the department state-of-the-art greenhouse. Students will learn and practice production scheduling, propagation, fertilization, pest control, management of light, production, financial record keeping, advertising, and customer relations. This course will also address FFA and Supervised Agricultural Experiences.

One semester science elective, 0.5 credit

FOOD SCIENCE I **Grade Levels: 9, 10, 11, 12**

Food Science provides students with the basic understanding of the science, history and culture behind their food. The chemical make-up, food preparation, global connection and the process our food takes from field to fork are explored. Students will also compare the differences in food availability, cost and consumption in various parts of the world. Everyone eats - therefore this course opens everyone's eyes to the why, how, and where of food production and processing of the foods they eat daily. The global agriculture aspect changes students' views of food availability around the world as well as the differences in food processing based on culture and climate. Quality control, safe equipment handling, food safety, food illnesses, and careers beyond high school will be discussed. This course will also address FFA and Supervised Agricultural Experiences.

One semester elective, 0.5 credit

Fee: $10.00

FOOD SCIENCE II **Grade Levels: 9, 10, 11, 12**

Diving deeper into the food science industry, students will continue to investigate turning raw ingredients into finished foods. The main focus of this course is on preparing meals pertaining to commodities of the agriculture industry, specifically Wisconsin commodities. Meat science will also be brought into this course allowing students to learn how to process beef, pork, lamb, and wild game. This course also addresses FFA and Supervised Agricultural Experiences.

Prerequisite: Food Science I

One semester elective, 0.5 credit

Fee: $10.00

AG BUSINESS AND LEADERSHIP **Grade Levels: 10, 11, 12**

Everyone has the ability to be a leader. This course will assist students in developing leadership skills helpful to all areas of interest, with an emphasis around agricultural topics and industries. Students will explore the 7 habits of strong leaders and successful individuals as well as career readiness and soft skills. Students will also work in groups to create and implement a community service project that will positively impact the school or village communities. This course is highly recommended for FFA officers or any student wishing to excel in the FFA. This course will also cover FFA related materials and students will pursue a Supervised Agricultural Experience.

One semester elective, 0.5 credit

LANDSCAPE DESIGN **Grade Levels: 10, 11, 12**

Flowers, plants, and outdoor spaces enhance our living and work areas. Landscape design will provide information that incorporates plant science, soil and media mixtures, plant identification, and optimal environments. Students will also practice skills in floral design, exterior and interior-landscaping techniques, site assessment, lawn care and landscape maintenance. Skills will be applied to real-life scenarios at school, home, and around our community. This course will also address FFA and Supervised Agricultural Experiences.

Prerequisite: Greenhouse Management and Horticulture

One semester elective, 0.5 credit

VETERINARY SCIENCE **Grade Levels: 11, 12**

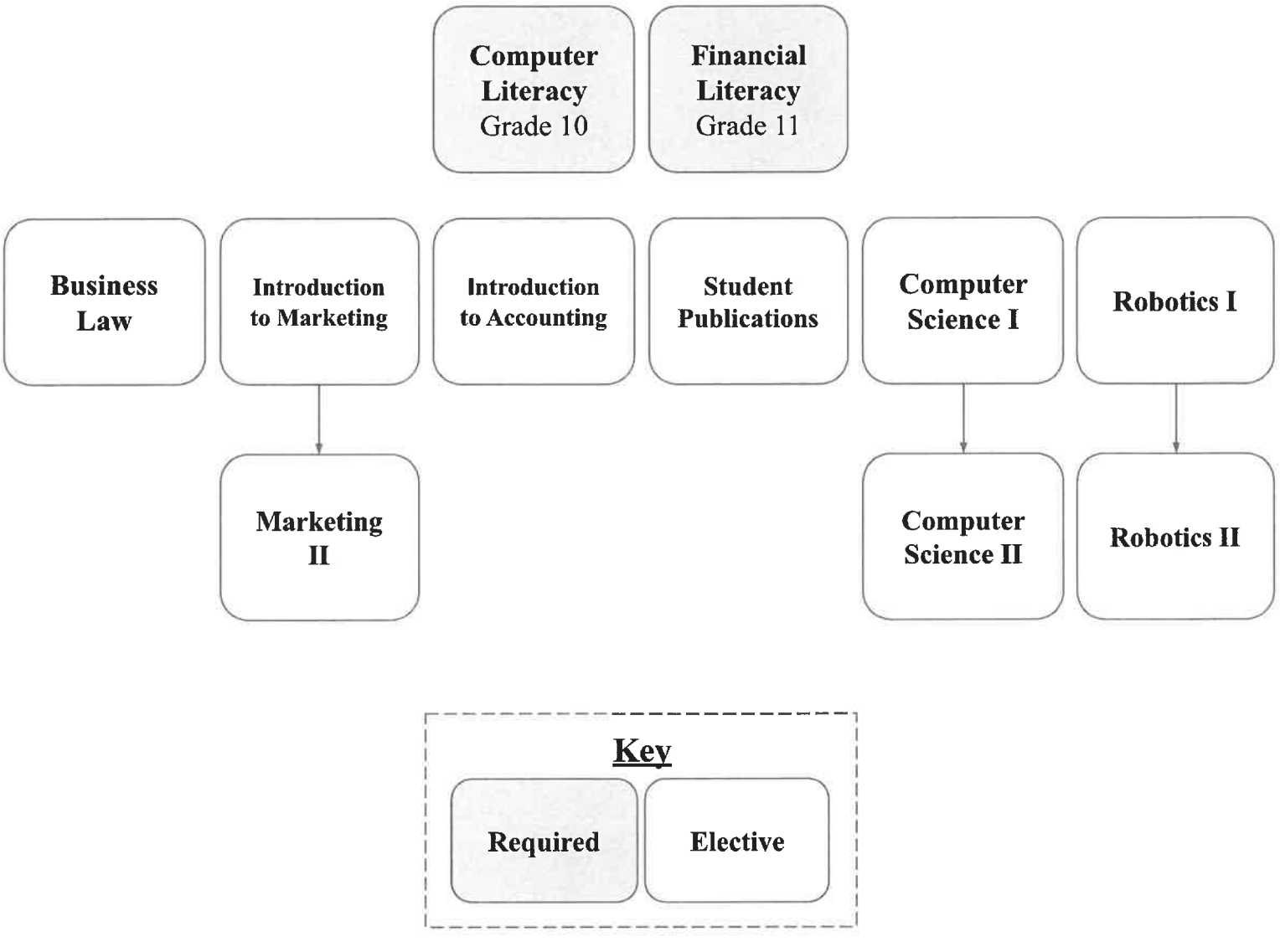
Veterinary Science explores the career field of animal medicine. Students will learn the job of a veterinarian through studying biosecurity, animal handling/safety, Latin medical terminology, animal surgeries, treatment techniques, and care techniques. Students will study the anatomy of various animals, and physiological similarities and differences. Animal health evaluation alon with major disease issues affecting today's pets and production animals are vital for any animal owner or medical worker to understand. This course will also address FFA and Supervised Agricultural Experiences.

Prerequisite: Large Animal Science or Small Animal Care

One semester science elective, 0.5 credit

BUSINESS EDUCATION

(1 credits required)



Business Education

COMPUTER LITERACY **Grade Level: 10**

Go beyond the basics and get a head start on mastering the most popular business software suite – Microsoft Office. Learn Word, PowerPoint and Excel, which are essential programs in today's world. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

One semester required, 0.5 credit (1 MPTC credit)

FINANCIAL LITERACY **Grade Levels: 11**

Understanding and managing personal finances are keys to one's future financial success. This one semester course will prepare students to manage their money and make sound financial decisions in the future. It will also feature important units on completing taxes, calculating interest, banking and checking, as well as how to successfully apply for and complete a loan.

One semester required, 0.5 credit

BUSINESS LAW **Grade Levels 10, 11, 12**

This course is designed to introduce the student to the study of law through a brief look at how law developed, the legal system in the United States, the functions of the federal and state court systems, and civil and criminal law. Additional topics include computer law, financial crimes, legal careers, international law, discrimination, contracts and business organization. This course will help students become aware of their rights and responsibilities under the law so they can function as responsible citizens in their personal and professional lives. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

One semester elective, 0.5 credit

INTRODUCTION TO MARKETING **Grade Levels: 10, 11, 12**

Marketing is a dynamic and exciting field, a key tool in mastering success in the business world. People often confuse marketing with advertising and sales, but it is really much more than that. In this course, you will learn about the "real" nature and scope of marketing, which includes the entire process of developing a product and delivering it to customers. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

One semester elective, 0.5 credit

MARKETING II **Grade Levels: 11, 12**

In Marketing 2 you will further examine how businesses create value for customers. In Marketing I, you learned the major elements of the marketing mix - product policy, channels of distribution, communication, and pricing - and saw how they fit within different business models. In Marketing 2, you will complete a more detailed analysis of these elements in order to conduct a thorough strategic analysis of marketing opportunities and communicate marketing decisions. This will enable you to see "marketing in action" in the business world.

Prerequisite: Intro to Marketing

One semester elective, 0.5 credit

INTRODUCTION TO ACCOUNTING **Grade Levels: 10, 11, 12**

This course is an introduction to the basic concepts and standards of the accounting systems. There will be an emphasis on important vocabulary such as debits, credits, assets, liability, and owner's capital. Basic financial accounting statements, income statements, balance sheets, and cash flow statements will be covered. This course is designed to better prepare students who are planning to major in business or accounting after high school. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

One semester elective, 0.5 credit

STUDENT PUBLICATIONS — Grade Levels: 11, 12

Students in this class have the opportunity to plan, design, create, and evaluate elements of our District and Community newspaper "The Oakfield Difference." Students may take this course one semester only, but may request additional credit to work on the school yearbook.

One semester elective, 0.5 credit

COMPUTER SCIENCE I — Grade Levels: 10, 11, 12

Computer Science 1 is an introduction to the world of computer science. This is an inquiry-based course in which students will learn about human computer interaction, problem solving, and web design using HTML and CSS. Block coding/programming will be introduced.

Prerequisites: Algebra I or consent of instructor

One semester elective, 0.5 credit

COMPUTER SCIENCE II — Grade Levels: 11, 12

Students will apply the problem-solving skills they learned in Computer Science 1. Units of study will focus on block coding/programming, computing and data analysis, and robotics.

Prerequisite: Computer Science 1

One semester elective, 0.5 credit

ROBOTICS I — Grade Levels: 10, 11, 12

This course focuses on mechanical, electrical and control aspects of robotic design. In this course students learn an engineering focused curriculum. Topics covered include but are not limited to: simple machines, gears, electricity, statics and mechanics, and introductory coding. Students will design and build robots throughout the year to compete in various challenges.

One semester elective, 0.5 credit

Fees: TBD

ROBOTICS II — Grade Levels: 11, 12

This course focuses on the programming and sensor control aspects of robotic design. Students will build robots throughout the semester using sensors, programming, and autonomous operation. Units include: Programming, Advanced Sensors, Motion and Control, and Robotic Interaction.

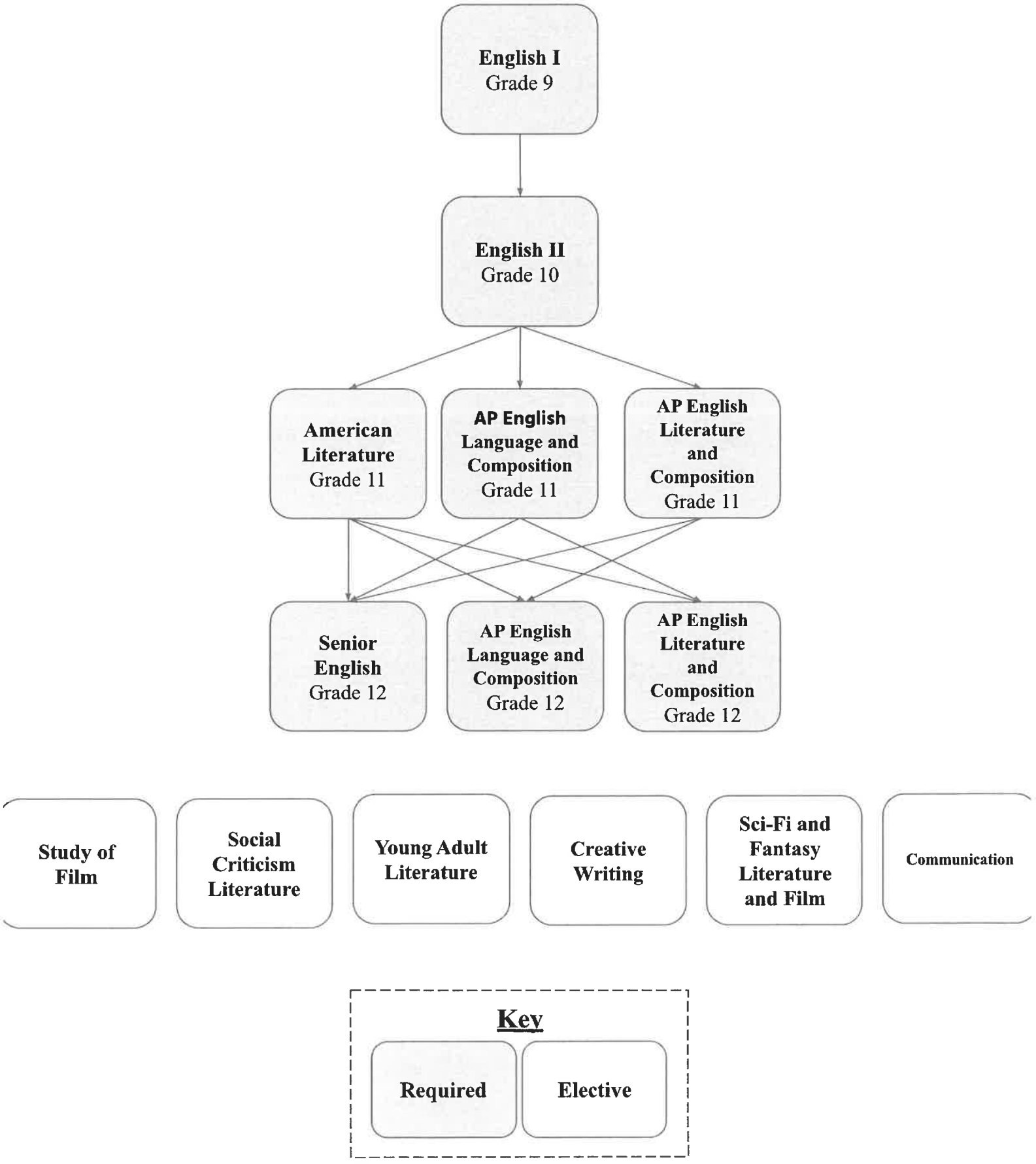
Prerequisite: Robotics 1

One semester elective, 0.5 credit

Fees: TBD

ENGLISH LANGUAGE ARTS

(4 credits required)



English Language Arts

ENGLISH I **Grade Level 9**

English 1 is a required full year course for freshmen. It is a comprehensive course, which emphasizes the importance of self-directed learning and discovery. Students will study a variety of works in conjunction with supplementary texts by reading, researching, writing, and discussing. The union of reading and writing in relation to the human experience is reinforced throughout the year. Literary works may include, but are not limited to, a variety of short stories, *Romeo and Juliet*, *The Odyssey*, *Just Mercy*, and works by Laurie Halse Anderson.

Two semesters required, 1.0 credit

ENGLISH II **Grade Level: 10**

English 2 is a full year course for sophomores. This course builds upon the content and skills students acquired in English 1. Students will read and write to communicate effectively to diverse audiences and for diverse purposes. Self-directed and collaborative learning are emphasized throughout the year. Students will read from a variety of literary and informative texts including short stories, poems, essays, plays, and novels.

Two semesters required, 1.0 credit

AMERICAN LITERATURE **Grade Level: 11**

American Literature is a required full year course for juniors. This course further develops students' reading, writing, and speaking skills acquired in previous years and emphasizes critical thinking. Through the lens of human nature, American Literature focuses on the analysis of literature in correlation with its historical and cultural contexts. Students will read and analyze a wide spectrum of literature examining various authors' inspiration and purposes for their writing. In addition, students will use authors' writing styles as models for their own writing.

Two semesters, required, 1.0 credit

SENIOR ENGLISH **Grade Level: 12**

Senior English is a required full year course for seniors. It is a comprehensive course including studies of literary and informational texts. Students will utilize 21st century reading skills to write, research, and discuss in connection with analyzing material. There will also be an emphasis on job applications, preparing for interviews, and other technical writing.

Two semesters, required, 1.0 credit

COMMUNICATIONS **Grade Levels: 11, 12**

This communications class is focused on public speaking. Students will research and compose various types of speeches to present to the class, such as persuasive, informative, and how-to speeches. Students will also learn presentation techniques involving posture, eye contact, and voice. Presenting to the class is a mandatory requirement for this class.

One semester elective, 0.5 credit

STUDY OF FILM **Grade Levels: 11, 12**

This course will focus on developing students' appreciation for film as both a form of art and entertainment. Students will analyze various elements of a film and how those elements are used to bring a story to life. Such elements may include plot, character development, acting choices, costumes, setting, and camera angles.

One semester elective, 0.5 credit

SOCIAL CRITICISM LITERATURE **Grades 11, 12**

Social Criticism Literature examines current social issue topics through research, writing, and discussions. Students will closely examine a variety of social issues by forming and challenging their own opinions through research and discussion. Throughout the semester, students will demonstrate argumentative writing, research, presentation, and discussion skills. Students may read a number of contemporary fiction and nonfiction Young Adult Literature texts.

One semester elective, 0.5 credit

CREATIVE WRITING **Grade Levels: 10, 11, 12**

By exploring a multitude of written genres, students will find out what it means to be creative. Students will write creative nonfiction, poetry, short stories, and more. Writers will weave a self-chosen theme into their own personal style through the semester and end the class with a cohesive portfolio.

Prerequisites: Passing grades in English 1 and English 2 or teacher approval

One semester elective, 0.5 credit

SCI-FI AND FANTASY LITERATURE AND FILM **Grade Levels: 10, 11, 12**

In this course, adventurers will explore the common universal themes found in the genres. These themes are deeply human and relatable despite being found in such fantastical, unrealistic settings. Throughout the course we will approach different novels and films in both analytical and creative ways.

Prerequisites: Passing grades in English 1 and English 2 or teacher approval

One semester elective, 0.5 credit

YOUNG ADULT LITERATURE **Grade Levels: 9, 10, 11, 12**

Today's teen literature is known to explore the more gritty reality of life as an adolescent, rife with the typical challenges of young adulthood often set against an unflinchingly realistic backdrop. Young Adult Literature provides a focused lens from which to look at society's values, strengths, and challenges. Topics may include the search for identity, family dynamics, censorship, banned/challenged books, and the transformation of the Young Adult genre over the past several decades. Students will read several novels over the course of the semester in this literature and project-based course.

One semester elective, 0.5 credit

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION **Grade Levels: 11, 12**

This course is a first-year college level course to prepare students for English and Composition classes in their first year of college. This full year course will cover the major units typically covered in a college level basic composition course, as outlined by the College Board. Students will focus on a variety of writing projects, especially focusing on synthesis, rhetorical analysis, and argument. Students will read a variety of nonfiction texts in preparation for writing assignments.

Prerequisites: English 1, English II and teacher approval

Two semester elective, (meets American Literature or Senior English requirement) 1.0 credit

This class will be offered 2023-2024

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION **Grade Levels: 11, 12**

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

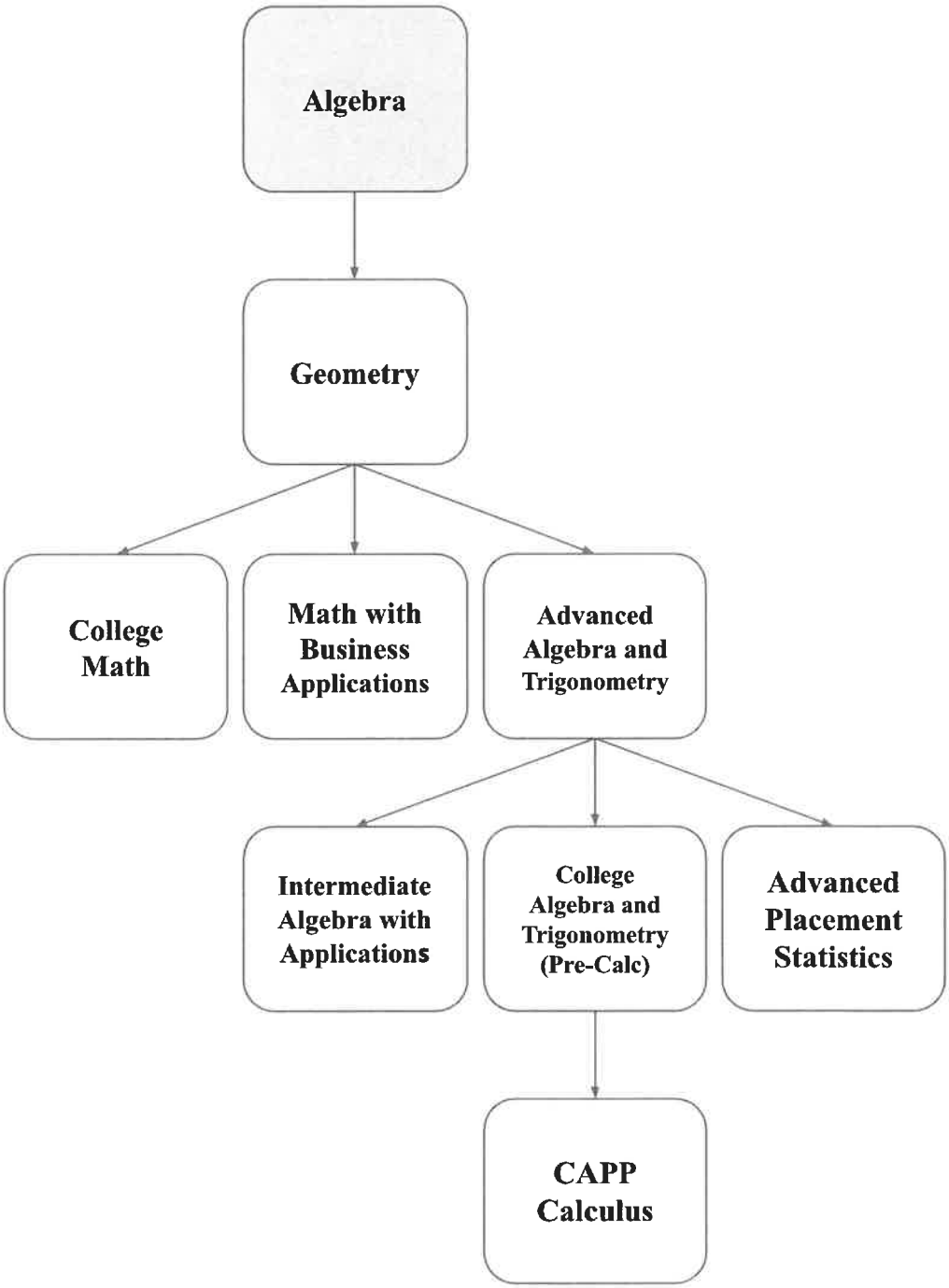
Prerequisites: English 1, English II and teacher approval

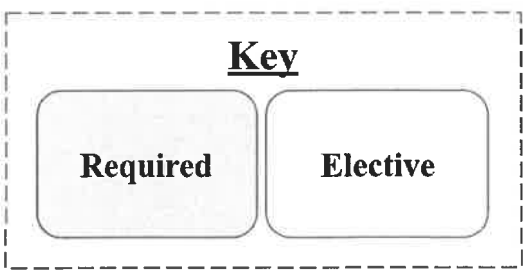
Two semester elective, (meets American Literature or Senior English requirement) 1.0 credit

This class will be offered 2024-2025

MATHEMATICS

(3 credits required)





Mathematics

ALGEBRA **Grade Levels: 9, 10, 11, 12**

Algebra students will solve algebraic equations using the distributive property, multiplication property of equality and addition property of equality. Students will graph on a Cartesian coordinate system as well as understand the slope of a linear equation. Students will also manipulate and perform operations on polynomials as well as solve systems of equations.

Two semesters, required class, 1.0 credit

GEOMETRY **Grade Levels: 9, 10, 11, 12**

This course focuses on the basic structures of plane and solid geometry. It includes a study of transformations, proof, congruency, right triangle relationships, quadrilaterals, circles, modeling in two and three dimensions and geometric constructions. The course also provides an emphasis on higher order thinking skills and problem solving applications.

Prerequisite: Algebra

Two semesters elective, 1.0 credit

Sophomore students may be concurrently enrolled in Geometry and Advanced Algebra and Trigonometry with instructor approval

COLLEGE MATHEMATICS **Grade Levels: 10, 11, 12**

Designed to review and develop fundamental concepts of mathematics pertinent to the areas of (1) arithmetic and algebra, (2) geometry and trigonometry, and (3) probability and statistics. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections and using calculators. Topics include arithmetic operations and simplifying algebraic expressions, solving linear equations and inequalities; solving proportions and incorporating percent applications, manipulating formulas; solving and graphing systems of linear equations and inequalities in two variables; finding areas and volumes of geometric figures; applying similar and congruent triangles; converting measurements; applying Pythagorean Theorem; solving right and oblique triangles; calculating probabilities; organizing data and interpreting charts; calculating central and spread measures; and summarizing and analyzing data. Students who earn a grade of "C" or better can receive Moraine Park Technical College transcripted credit.

Prerequisite: Geometry

One semester elective 0.5 credit (3 MPTC Credits)

MATH WITH BUSINESS APPLICATIONS **Grade Levels: 10, 11, 12**

Covers real numbers, basic operations, linear equations, proportions with one variable, percent, simple interest, compound interest, annuity, apply math concepts to the purchasing/buying process, apply math concepts to the selling process, and basic statistics with business/consumer applications. Students who earn a grade of "C" or better can receive Moraine Park Technical College transcripted credit.

Prerequisite: Geometry

One semester elective, 0.5 credit (3 MPTC credits)

ADVANCED ALGEBRA AND TRIGONOMETRY **Grade Levels: 10, 11, 12**

This course is designed to prepare students for pre-calculus and/or a college algebra course. This course begins with further study of topics from Algebra and then introduces new areas of study. A focus of this course will be the refinement of problem solving skills. Topics include functions, polynomials, rationals, radicals, logarithms, variation, and trigonometry.

Prerequisite: Geometry

Two semesters elective, 1.0 credit

INTERMEDIATE ALGEBRA WITH APPLICATIONS **Grade Levels: 10, 11, 12**

This course offers Algebra content with applications. Topics include properties of real numbers, order of operations, algebraic solutions for linear equations and inequalities, operations with polynomials and rational expressions, operations with rational exponents and radicals, algebra of inverse logarithmic and exponential functions. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

Prerequisite: Advanced Algebra and Trigonometry

Two semesters elective, 1.0 credit (4 MPTC Credits)

COLLEGE ALGEBRA AND TRIGONOMETRY(Pre-Calculus) **Grade Levels: 11, 12**

This course covers the skills needed for success in Calculus and application areas at the collegiate level. Topics include the real and complex number systems, polynomials, exponents, radicals, solving equations and inequalities, matrices, graphing, conic sections, sequences and series and the binomial theorem. In addition, this course covers circular functions, graphing of trigonometric functions, identities, equations, trigonometric functions of angles, inverse functions, solutions of triangles, complex numbers, DeMoivres' Theorem, polar coordinates and vectors. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

Prerequisite: Advanced Algebra and Trigonometry

Two semester elective, 1.0 credit (6 MPTC Credits)

CAPP CALCULUS **Grade Levels: 11, 12**

This course is equivalent to a first-semester college course Calculus I. Students need to have completed Pre-Calculus and have a good work ethic. Calculus is the study of change. Mathematical functions are used to express quantities that change. In calculus, we study these functions using the concepts of limits, differentiation and integration. In this course, we will learn the main concepts and techniques of single variable differential calculus including limits and derivatives, rules of differentiation and some applications of differentiation. This course will develop the ability of students to interpret the concepts of calculus algebraically, graphically and numerically. More importantly, students will improve their ability to think critically and analyze and solve a problem using the tools of calculus. Students will earn high school credit and 5 UW college credits simultaneously if they earn a C in the class.

Prerequisite: College Algebra and Trigonometry and a placement level score of a 92 or better on the UW math placement exam. Students must have a minimum 3.25 GPA, **or** ACT score of at least 24 **and** a GPA of 2.75 to be eligible for college credit through the CAPP

Two semesters elective, 1.0 credit

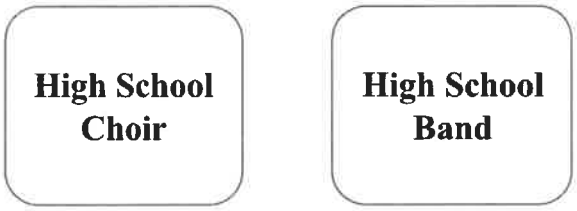
ADVANCED PLACEMENT STATISTICS **Grade Levels: 11, 12**

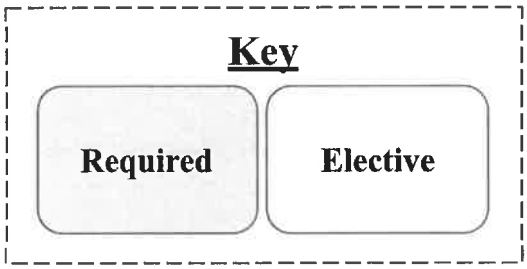
The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: *Exploring Data*: Describing patterns and departures from patterns; *Sampling and Experimentation*: Planning and conducting a study; *Anticipating Patterns*: Exploring random phenomena using probability and simulation; and, *Statistical Inference*: Estimating population parameters and testing hypotheses.

Prerequisite: Advanced Algebra and Trigonometry and teacher approval

Two semesters elective, 1.0 credit

MUSICAL ARTS





Musical Arts

HIGH SCHOOL CHOIR **Grade Levels: 9, 10, 11, 12**

Choir is open to all students who wish to sing and perform. In this course, students will learn about their individual voice and have the opportunity to perform with a group. Students also have numerous opportunities to perform solos. Choir members will study various styles of music throughout the year. Participation in concerts (3 per year) is required. Small group lessons (one per week) are a requirement of the course. A letter award can be earned if a student meets certain participation requirements (such as solo-ensemble, swing choir, pop concert solo).

Two semesters, elective 0.5 credit

HIGH SCHOOL BAND **Grade Levels: 9, 10, 11, 12**

Band is open to all who wish to work together in a group setting. Each student receives small and full group instruction on a specific musical instrument. Participation in lessons, concerts, parades, pep band, and an annual clinic is required. Honors Band and Solo/Ensemble Festival are also offered and highly encouraged. A variety of musical genres and techniques are explored. A letter award can be earned based on participation requirements.

Two semesters, elective, 0.5 credit if in choir, 1.0 credit if only in band

Extra Fees: Students will need to pay for reeds and valve oil as needed.

Physical Education

HEALTH **Grade Level: 9**

Health education promotes a lifetime commitment to living a healthy lifestyle by teaching students about risk factors and health decisions that promote health and prevent diseases. This course will cover the following topics: making healthy decisions, mental health, social health, nutrition, physical fitness, substance abuse, preventing disease, and community health and safety.

One semester required, 0.5 credits

PHYSICAL EDUCATION I **Grade Levels: 9, 10**

This course is designed for students to learn the skills and strategies of team sports. This course will include daily skill instruction and implementation of those skills into a cooperative game setting. Sports may include, but are not limited to basketball, flag football, soccer, ultimate Frisbee, pickleball, badminton, and volleyball.

One semester required, 0.5 credits

Extra Fees: Students are required to wear a physical education uniform. Uniforms may be purchased at the MS/HS Office at a cost of $6.00 per shirt and $8.00 for shorts.

PHYSICAL EDUCATION II **Grade Levels: 10, 11, 12**

This course is designed for students to gain the knowledge of sports and activities to remain active and healthy throughout their entire lives. The objectives of the course are to encourage participation, develop a knowledge of rules, strategies, and common courtesies of the sports.

One semester required, 0.5 credits

Extra Fees: Students are required to wear a physical education uniform. Uniforms may be purchased at the MS/HS Office at a cost of $6.00 per shirt and $8.00 for shorts.

PERSONAL FITNESS **Grade Levels: 10, 11, 12**

This course is designed for students to develop their own fundamental relationship between physical fitness and a healthy lifestyle. This will be done through weight training that will have a pre/post-test throughout the year. It will also involve cardio days and plyometric days that require a lot of jumping and running. There will be days where we play a fitness game, but the majority of this class will be focused on weight training and the cardiorespiratory system. Students must be prepared each day to dress appropriately for physical activity.

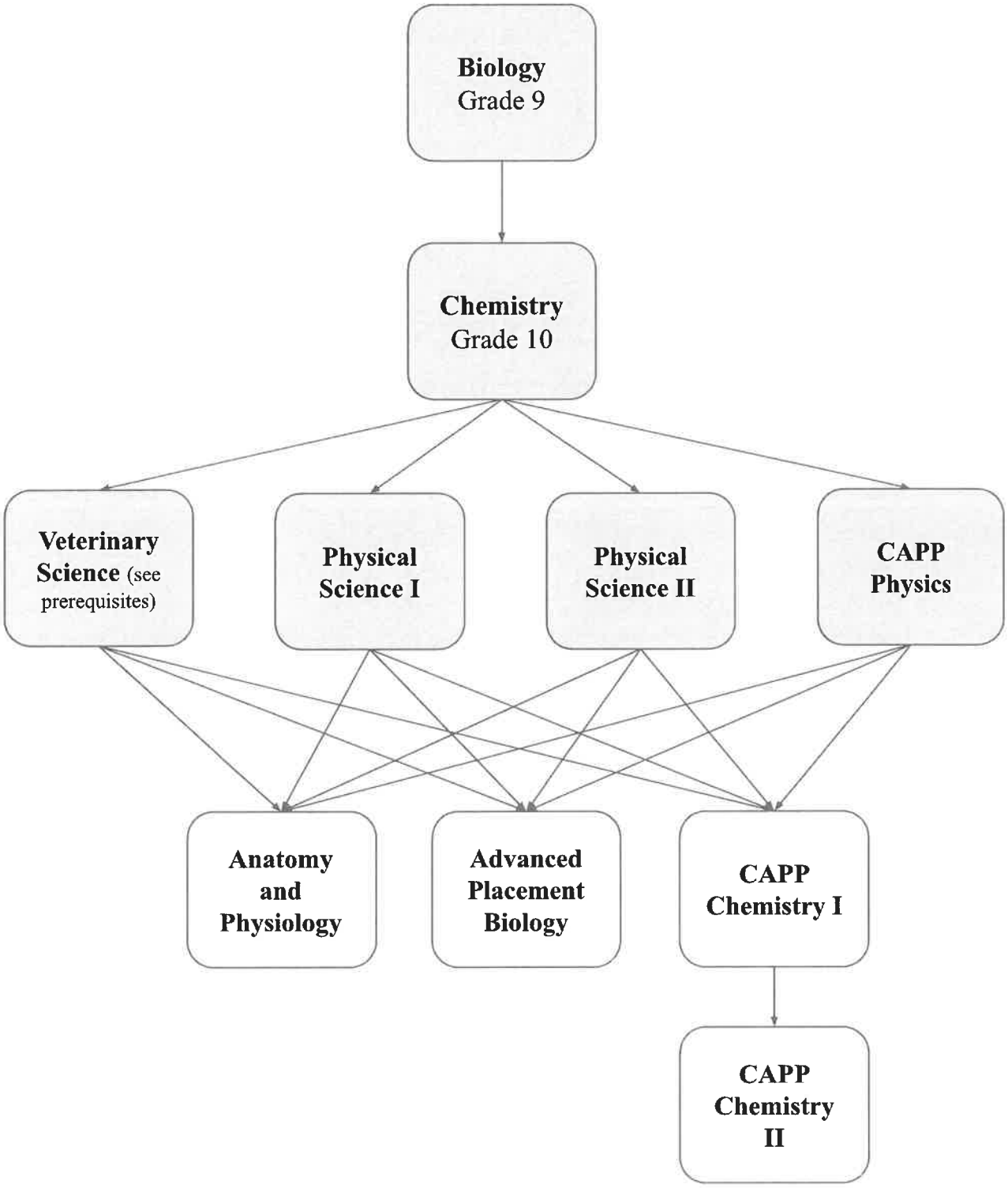
Prerequisite: Teacher approval is required

One semester, 0.5 credits

Extra Fees: Students are required to wear a physical education uniform. Uniforms may be purchased at the MS/HS Office at a cost of $6.00 per shirt and $8.00 for shorts.

SCIENCE

(3 credits required)



Science

BIOLOGY **Grade Levels: 9**

Biology is the study of living things. Topics start with the basis of life (biochemistry and cells) and work up to the big picture (humans and their environment). Organisms are studied from least complex (bacteria and viruses) to most complex (humans), with emphasis on dissection, structure and function. The class involves a mixture of lecture, laboratory, discussion, small group work, and individual research. Students are also required to do a quarterly project to be completed outside of class time.

Two semesters required, 1.0 credit

CHEMISTRY **Grade Levels: 10, 11, 12**

Chemistry is the study of matter and changes it can undergo. In this course students will have opportunities to learn about measurements, properties of matter, and topics of inorganic chemistry including the periodic table, chemical properties, and chemical reactions. Additionally, students will have an introduction to organic chemistry. A focus of the course is the chemical nature of our everyday lives including hands-on laboratory work and discussion.

Prerequisite: Biology and Algebra

Two semesters required, 1.0 credit

Select at least one of the following to fulfill the physical science requirement: Physical Science I and II, or CAPP Physics, or Veterinary Science and either Physical Science I or Physical Science II

PHYSICAL SCIENCE I **Grade Levels: 11, 12**

Physical science 1 concentrates on introductory physics topics. The course will be inquiry based, where students will have multiple opportunities to interact with and develop models. Topics of focus include: geology, motion, forces, and Newton's Laws. Students will work to apply physics in everyday life.

Prerequisite: Chemistry

One semester elective, 0.5 credits

PHYSICAL SCIENCE II **Grade Levels: 11, 12**

Physical science II will concentrate on topics related to energy and transfers of energy. The course will allow students opportunities to investigate topics and develop scientific models. Topics of focus will include: interpretation, energy transformations, light, mirrors, waves, and sound.

Prerequisites: Chemistry

One semester elective, 0.5 credits

CAPP PHYSICS **Grade Levels: 11, 12**

Course is equivalent to a first-semester college course in algebra-based physics. The course will be a combination of lecture, demos, lab and problem solving using Algebra and Trigonometry. Students will develop an in-depth understanding of how objects move and interact and the forces associated with such movement. Lab investigations will be used to strengthen understanding of major topics. Students who are successful in physics develop skills to do well on the ACT and SAT exams. Topics of study include linear, 2D and circular motion, Newton's Laws, forces, work, energy, power, momentum, mechanical waves, sound, fluids and thermodynamics. Students will earn high school credit and 5 college credits simultaneously if they earn a C in the class. Tuition and other fees are to be paid by the student (approx. $250).

Prerequisite: Chemistry. Students must have a minimum 3.25 GPA, **or** ACT score of at least 24 **and** a GPA of 2.75 to be eligible for college credit through the CAPP

Two semesters elective, 1.0 credit

ANATOMY AND PHYSIOLOGY — Grade Levels: 11, 12

Anatomy and Physiology presents the human body and biological systems in detail. Students learn about anatomical terminology, study cells and tissues, and explore functional systems, including integumentary, skeletal, muscular, nervous, somatic and special senses, endocrine, digestive, respiratory, blood, cardiovascular, lymphatic, urinary, and reproductive. Students will have various lab experiences including dissections.

Prerequisite: Chemistry
Two semesters elective, 1.0 credit

ADVANCED PLACEMENT BIOLOGY — Grade Levels: 11, 12

AP Biology is a first year college level class designed to emphasize skills and information students will need to aid them in college science programs. This course is especially valuable to students considering careers in the medical, veterinary or other life sciences. Much detail is spent on certain areas, such as biochemistry, genetics, anatomy, physiology, and biotechnology. The experimental process is also studied and students are required to research and perform their own independent research and lab experiments.

Prerequisites: Grade of B or better in Chemistry or teacher approval
Required: concurrent enrollment in AP Biology Laboratory
Two semesters elective, 1.5 credits

CAPP CHEMISTRY I — Grade Levels: 11, 12

Topics covered in first semester include fundamental laws and concepts of chemistry, atomic theory, atomic and electronic structure, chemical bonding, mole concept, nomenclature, stoichiometry, states of matter, formulas and equations, the structure of atoms and theories of bonding. Students will earn high school credit and 5 college credits simultaneously if they earn a C in the class. Tuition and other fees are to be paid by the student (approx. $250). Offered 1st semester only.

Prerequisite(s): Chemistry and Advanced Algebra
Required: concurrent enrollment in Laboratory
Students must have a minimum 3.25 GPA, **or** ACT score of at least 24 **and** a GPA of 2.75 to be eligible for college credit through the CAPP program.
One semester elective, 1.0 credits

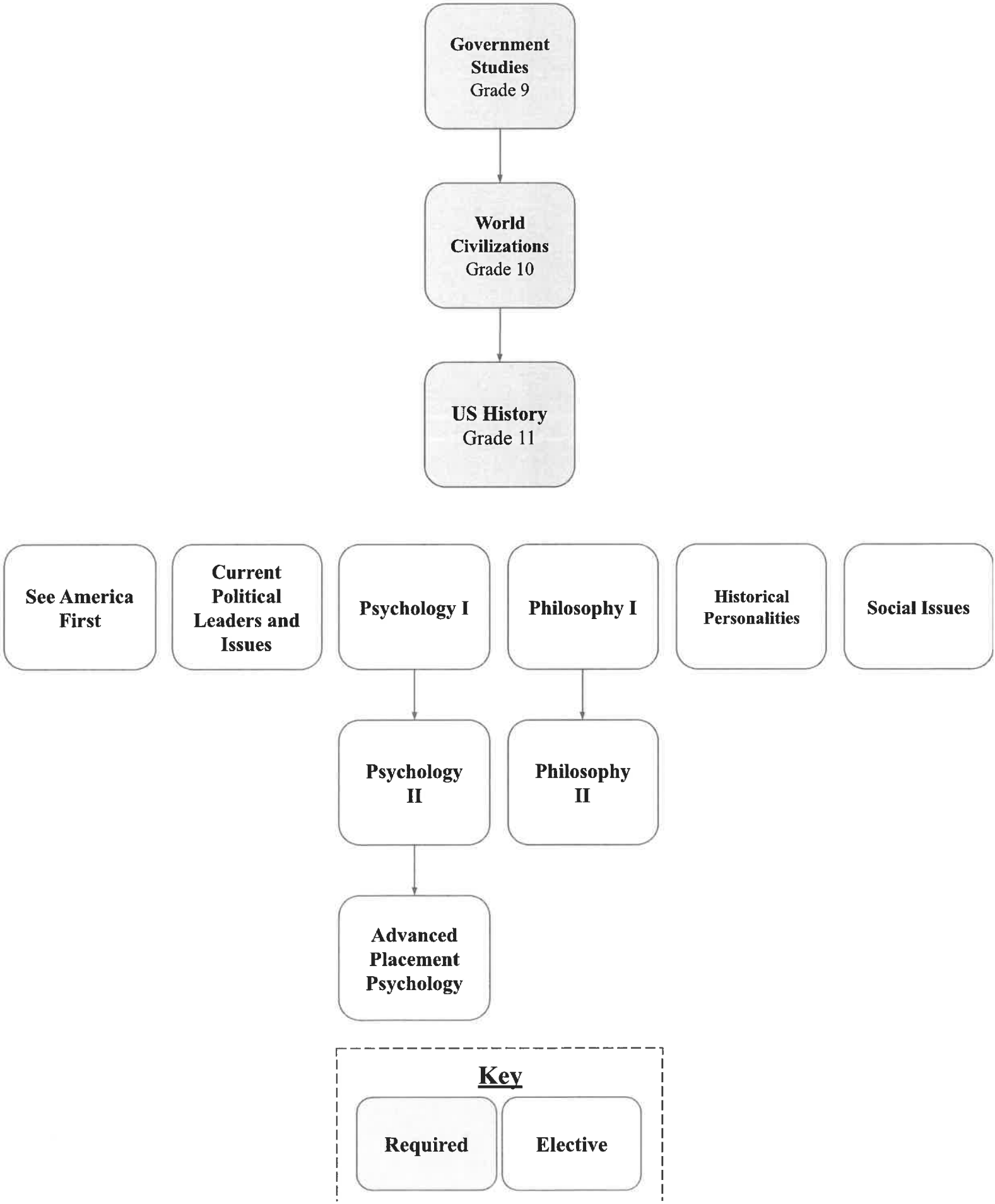
CAPP CHEMISTRY II — Grade Levels: 11, 12

CAPP Chemistry II is the second semester college freshmen-level chemistry class. Topics include kinetics, equilibrium, acids and bases, electrochemistry, and precipitation reactions. Students will earn high school credit and 5 college credits simultaneously if they earn a C in the class. Tuition and other fees are to be paid by the student (approx. $250). Offered 2nd semester only.

Prerequisite: CAPP Chemistry 1
One semesters elective 1.0 credits
Required: concurrent enrollment in Laboratory
Students must have a minimum 3.25 GPA, **or** ACT score of at least 24 **and** a GPA of 2.75 to be eligible for college credit through the CAPP

SOCIAL STUDIES

(3 credits required)



Social Sciences

GOVERNMENT STUDIES **Grade Level: 9**

A study of the essential features of the United States federal, state, and local governments. Topics will include, but are not limited to, the U.S. and Wisconsin governments and constitutions, federalism, civil rights, the juvenile justice system, political parties, and national, state, and local elections.

Two semesters required, 1.0 credit

WORLD CIVILIZATIONS **Grade Level: 10**

This class will involve a study of the formation and development of the various world civilizations from ancient times to the present. Themes will include, but are not limited to, the development and impact of agriculture and writing on early civilizations, the impact of religions throughout the world, key personalities that have shaped world history, the disparity between resources between cultures and the impact resources have on development, and the shifting balance of regional and global power throughout history. The impact of geography on the success and/or failures of a society will also be examined as part of each unit.

Two semesters required, 1.0 credit

U.S. HISTORY **Grade Levels: 11**

This year long course covers all 500 years of U.S. history. Thematic units cover early immigration, the Revolutionary War, and the Civil War. In addition, we look at modern topics of civil rights with Hispanics, African Americans and women. Students are expected to reflect on history by examining documents, and creating their own thesis when doing so. Other units include the nation's infrastructure, the U.S. rise to a world power, and the rise of industry.

Two semesters required, 1.0 credit

SEE AMERICA FIRST **Grade Levels: 11, 12**

This semester class covers the geography of the United States by focusing on the great places of our country to travel too. This includes a major focus on the National Park System, and the natural sites to see in our country. Topics include local highlights and the best of the state of Wisconsin. Other units include South Dakota, Yellowstone, California, Alaska and Hawaii. Other units encompass regions of the United States. Guest speakers are also invited to discuss valuable trips or experiences.

One semester elective, 0.5 credit

CURRENT POLITICAL LEADERS AND ISSUES **Grade Levels: 10, 11, 12**

This class looks at present political leaders and evaluates their stances and messaging. Guest speakers is a mainstay to this class, and include state senators, state assemblymen, sheriffs, U.S. Senators and special interests leaders. We also take the time to study the U.S. Supreme Court. Civility is expected, and critical analysis of political parties is anticipated.

One semester elective, 0.5 credit

PSYCHOLOGY I **Grade Levels: 10, 11, 12**

This general course provides an introduction to Psychology. Units include an overview of research, and how to think in a Psychology class. We also look at major social psychology experiments, as well as groupthink. Other units include the history of treating the mentally ill in America, and the issues with institutionalization. We also study theories on intelligence. The class covers mature content and film.

One semester elective, 0.5 credit

PSYCHOLOGY II — Grade Levels: 10, 11, 12

This course gets more specific on psychology, including mental illness. Units include an in-depth look at Sigmund Freud and the explanation of neurosis. Abnormal Psychology is covered in this semester-long class, as we examine General Anxiety Disorder, Panic Attacks, Obsessive Compulsive Disorder, and Post Traumatic Stress. Mood disorders are also covered this semester (bi-polar disorder, major depression and seasonal affective disorder). Other topics include covering what motivates us (Maslow), and other reasons for the causes of Depression. There is also a specific unit on death and grieving, and the moral development theory of Lawrence Kohlberg.

Prerequisite: Grade of B or higher in Psychology.

One semester elective, 0.5 credit

PHILOSOPHY I — Grade level: 12

This first semester class covers an introduction to the topic of philosophy, particularly on first questioning the assumptions that are made in our society and culture. Second, we look at the impact of Plato and Socrates. Third, we establish a basis for talking about religious philosophy, including agnosticism, monotheism and atheism. We then talk about other religions and philosophies for the rest of the semester. Empathy, kindness and an open mind are required for necessary class discussion. Topics include reincarnation, spiritualism, and the role beliefs have in our lives. Ethics may also be covered in this semester.

One semester elective 0.5 credit

PHILOSOPHY II — Grade Level: 12

The second semester class broadens the topic of philosophy to our economic system (capitalism and socialism). This includes looking at the influence of Adam Smith, Karl Marx, and Jurgen Habermas. This also includes film and documentary analysis to understand these economic philosophies better. Colonialism's influence is also examined. Other topics of Philosophy 2 include masculinity and femininity, and how this influences our behavior and thoughts. Other topics include presentations on philosophers, and individual philosophies. The philosophy revolving around nature and hermeneutics and humor are covered as well.

Prerequisite: Intro to Philosophy

One semester elective 0.5 credit

HISTORICAL PERSONALITIES — Grade Levels: 10, 11, 12

This class focuses on the many different personalities, from ancient times to the modern day, that have shaped history and influenced the world we live in today. A wide-range of historical personalities will be researched, presented, written about, and discussed using common themes, such as, heroes, villains, leaders, discoverers, religious figures and others. Students will examine commonalities between various personalities and how they have influenced history. The class will also compare and contrast how public perception shapes historical opinions and how the availability of information influences the way we look at people and history.

One semester elective, 0.5 credit

SOCIAL PROBLEMS — Grade Levels: 11, 12

This course examines major social problems facing our society as well as social concerns of individuals in society. Major units include sociology, state of education, multiculturalism, immigration, political rhetoric, censorship, and the disparity between wealth and availability of resources around the globe.

One semester elective, 0.5 credit

ADVANCED PLACEMENT PSYCHOLOGY — Grade Levels: 11, 12

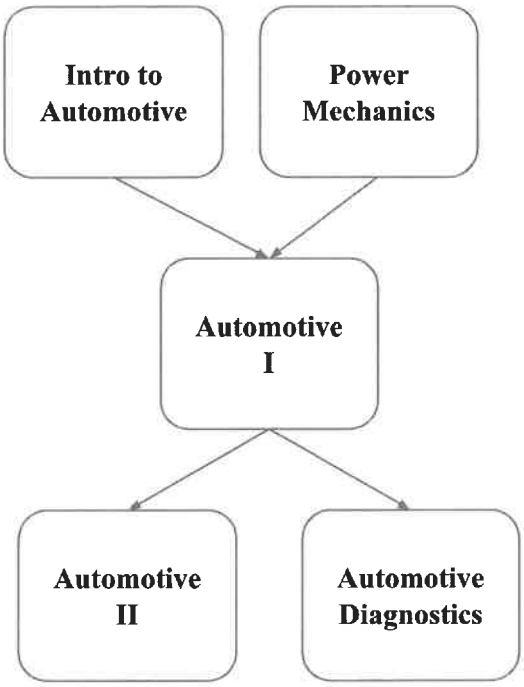
This year long class covers the 9 units expected of the AP Curriculum. Daily class discussion is expected of students, as are three plus hours of weekly work outside of class. Topics include sensation and perception, the brain and consciousness, learning, social psychology, abnormal psychology and therapy treatment.

Two semesters elective, 1.0 credit

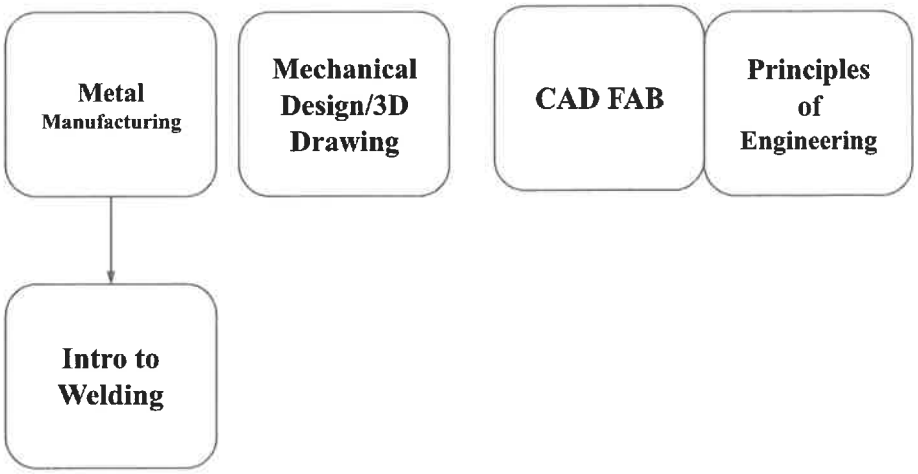
Prerequisite: Psychology I and II or teacher recommendation

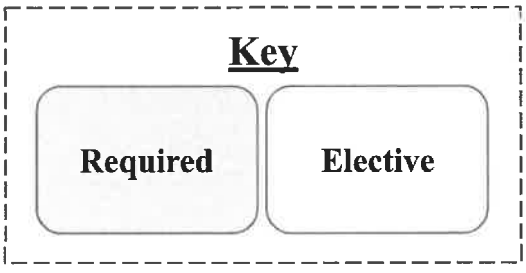
TECHNICAL EDUCATION

Transportation, Distribution and Logistics Pathway



Manufacturing Pathway





Technology Education

INTRODUCTION TO AUTOMOTIVE **Grade Levels: 9, 10, 11, 12**

Students will learn the history of the automotive industry. This class also includes hands-on experiences of automobile education including controls, gauges, proper maintenance, & how to change a spare tire. Students will understand the basic working knowledge of how an automobile works. This is a great class for new or future drivers.

One semester elective, 0.5 credit

POWER MECHANICS **Grade Levels: 9, 10, 11, 12**

This course is designed to teach the theory and operation of 4 stroke and 2 stroke engines. Students will learn how to diagnose and repair small engines, marine engines, early automotive engines, and motorcycles. They will have an understanding of how an internal combustion engine works and how to address maintenance concerns in manufacturing

One semester elective, 0.5 credit

AUTOMOTIVE I **Grade Levels: 9, 10, 11, 12**

This class will work further in mechanical workings of automobiles and the automotive industry. Students will be working hands on to complete a list of tasks to be on the pathway to a career as an Auto Technician. Hands-on experiences will include brake and suspension repair, diagnostic troubleshooting and vehicle inspection. Hands-on experiences will include oil changes, tire rotations, mounting and balancing tires and more.

Prerequisite: Power Mechanics

One semester elective, 0.5 credit

AUTOMOTIVE II **Grade Levels: 10, 11, 12**

This class will continue working on mechanical workings of automobiles and the automotive industry. Students will be working on projects with much greater difficulty, and will complete a list of tasks to be on the pathway to a career as an Auto Technician. Hands-on experiences will include engine disassembly for deeper internal knowledge, rebuilding a rear differential, engine management systems, and automotive performance. This class will be available for the 2023-24 School year.

Prerequisite: Automotive I

One semester elective, 0.5 credit

This class will be offered during the 2023-24 school year

AUTOMOTIVE DIAGNOSTICS **Grade Levels: 10, 11, 12**

Computer Command control training. Students will learn how to scan and diagnose automotive problems within a vehicle. Students will use a Launch X431 Pro Scanner that reads engine management systems in a computer-controlled vehicle.

Prerequisite: Automotive I

One semester elective, 0.5 credit

This class will be offered during the 2024-25 School year

METAL MANUFACTURING **Grade Levels: 9, 10, 11, 12**

This course provides students with an introduction to the properties of metal and the transformation of standard stock into a finished product. Content is presented through a series of activity-based experiences, using equipment to form steel, including ARC, MIG, TIG and Acetylene torch welding. This course will be a great introduction for students interested in a career in metal fabrication or welding.

One semester elective, 0.5 credit

INTRODUCTION TO WELDING **Grade Levels: 9, 10, 11, 12**

This course will introduce students to the necessary safety and set up of welding equipment and welding equipment maintenance as well as welding terminology. Students will demonstrate safe shop practices, set up and shut down of Gas and Metal Arc Welding (GMAW) equipment; and welding mild steel in the flat, horizontal, and vertical down positions.

Prerequisite: Metal Manufacturing

One semester elective, 0.5 credit

CAD FAB **Grade Levels: 9, 10, 11, 12**

This course provides students with a broad introduction into 3-dimensional Computer-Aided Design (CAD) and modeling with a focus on mechanical and manufacturing specific applications. Students will learn how to use SolidWorks, a 3-D CAD program that can be used to design and create blueprints & 3-D models of objects that engineers want to build. It is used in a number of industries, to model mechanical or structural projects, create industry-standard drawings and output projects to a variety of Computer Numeric Controlled (CNC) fabrication devices.

One semester elective, 0.5 credit

MECHANICAL DESIGN/3D DRAWING (SOLIDWORKS) **Grade Levels: 10, 11, 12**

This course will teach Mechanical Drawing, 3D and Computer Aided Design. Students will be exposed to computer based drawing and design. Students can earn Moraine Park Technical College transcripted credit with a grade of "C" or better.

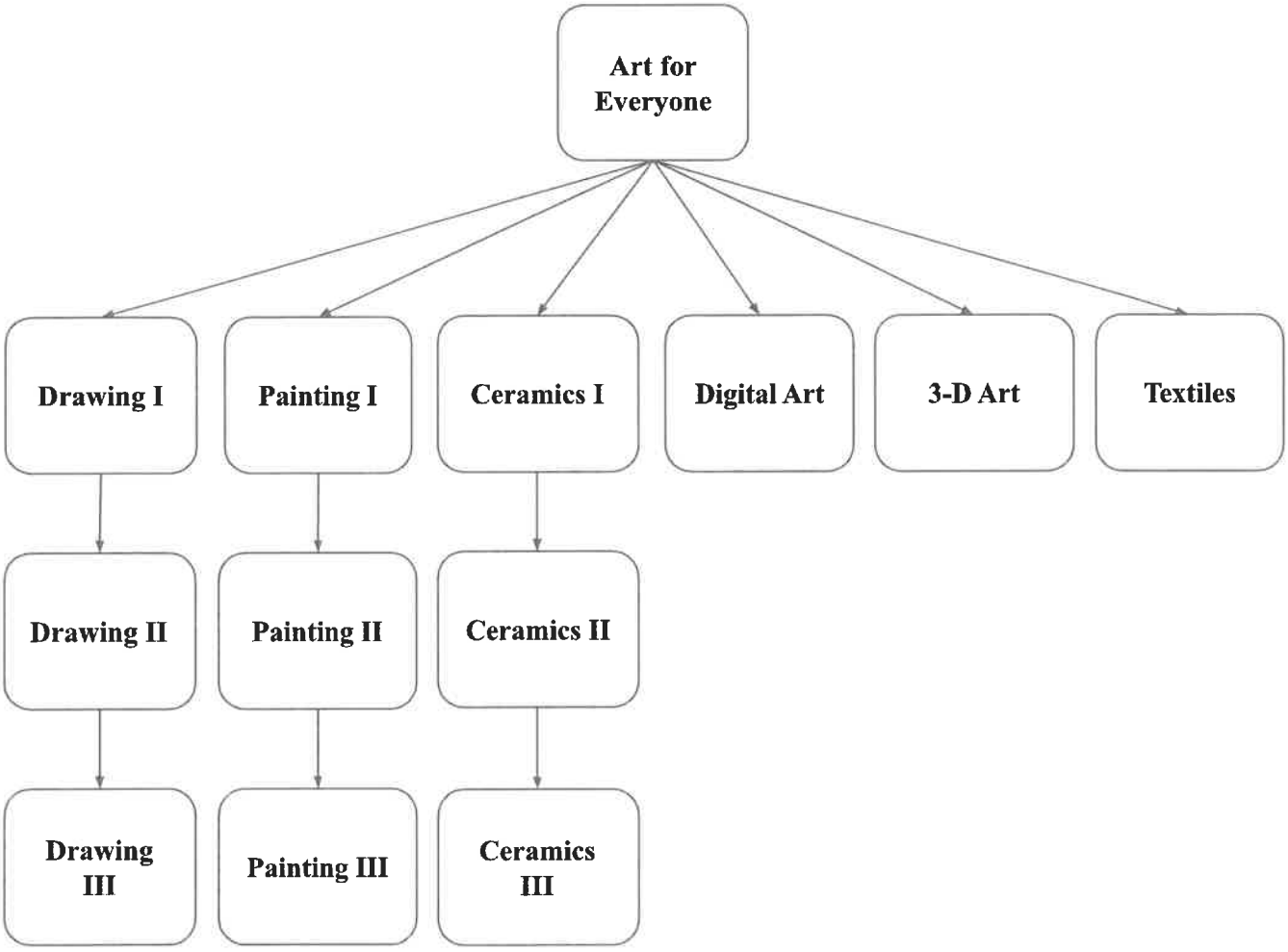
One semester elective, 0.5 credit

PRINCIPLES OF ENGINEERING **Grade Levels: 10, 11, 12**

This course is designed to introduce students to basic concepts of automation and manufacturing processes. Students will gain a strong background in Safety, AC/DC Electricity, Measurement, and Electrical Relays. They will also be introduced to how these technologies are integrated in manufacturing processes.

One semester elective, 0.5 credit

VISUAL ARTS



Key

Required	Elective

Visual Arts

ART FOR EVERYONE **Grade Levels: 9, 10, 11, 12**

Interested in art? This class will include a wide range of mediums and materials, and introduces or enhances the student's knowledge of the elements and principles of design. Technical skills will be explored in a variety of mediums and materials that will focus on the specific skill level of each student. Students will experiment with two-dimensional design and three-dimensional design. Assignments will explore problem solving skills in both 2D and 3D pieces. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others. This is a basic class and is the prerequisite for all other Art Courses.

One semester elective, 0.5 credit

DRAWING I **Grade Levels: 9, 10, 11, 12**

Drawing I provides a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. This course is designed to teach students more about drawing techniques and formats. Students will explore and develop a drawing style and expression that is demonstrated in their work through projects that involve perspective, value, still-lifes, and figure drawing. It will include applying the elements of art and principles of design, along with a study of art history and artists from a worldwide perspective, and instruction in the critique process. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others. All projects incorporate the elements and principles of design and place emphasis on craftsmanship and personal expression.

Prerequisite: Art for Everyone

One semester elective, 0.5 credit

DRAWING II **Grade Levels: 10, 11, 12**

Drawing II provides an advanced study of drawing mediums and concepts. Students in Drawing II are encouraged to refine their creative processes and develop their own artistic styles. You will be using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. This course is designed to teach students more about drawing techniques and formats. Students will explore and develop a drawing style and expression that is demonstrated in their work through projects that involve perspective, value, still-lifes, and figure drawing. It will include applying the elements of art and principles of design, along with a study of art history and artists from a worldwide perspective, and instruction in the critique process. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others. All projects incorporate the elements and principles of design and place emphasis on craftsmanship and personal expression.

Prerequisite: Drawing I

One semester elective, 0.5 credit

DRAWING III **Grade Levels: 10, 11, 12**

Drawing III provides an advanced study of drawing mediums and concepts. Students in Drawing II are encouraged to refine their creative processes and develop their own artistic styles. You will be using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. This course is designed to teach students more about drawing techniques and formats. Students will explore and develop a drawing style and expression that is demonstrated in their work through projects that involve perspective, value, still-lifes, and figure drawing. It will include applying the elements of art and principles of design, along with a study of art history and artists from a worldwide perspective, and instruction in the critique process. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others. All projects incorporate the elements and principles of design and place emphasis on craftsmanship and personal expression.

Prerequisite: Drawing II

One semester elective, 0.5 credit

PAINTING I **Grade Levels: 9, 10, 11, 12**

This course is designed to teach students more about painting techniques, materials, and formats, and other forms of 2-Dimensional Art. Painting I provides a foundation in painting using a variety of techniques and media, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. This course includes applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Students learn to paint a variety of subject matter using watercolor paints and similar media. While using paper and canvas, this class will provide more in depth instruction on painting and drawing. Students will explore and develop a drawing style and expression that is demonstrated in their work. All projects incorporate the elements and principles of design and place emphasis on craftsmanship and personal expression.

Prerequisite: Art for Everyone

One semester elective, 0.5 credit

PAINTING II **Grade Levels: 10, 11, 12**

This course is designed to teach students more about painting techniques, materials, and formats, and other forms of 2-Dimensional Art. Painting I provides a foundation in painting using a variety of techniques and media, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. This course includes applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Students learn to paint a variety of subject matter using watercolor paints and similar media. While using paper and canvas, this class will provide more in depth instruction on painting and drawing. Students will explore and develop a drawing style and expression that is demonstrated in their work. All projects incorporate the elements and principles of design and place emphasis on craftsmanship and personal expression.

Prerequisite: Painting I

One semester elective, 0.5 credit

PAINTING III **Grade Levels: 10, 11, 12**

This course is designed to teach students more about painting techniques, materials, and formats, and other forms of 2-Dimensional Art. Painting I provides a foundation in painting using a variety of techniques and media, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. This course includes applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Students learn to paint a variety of subject matter using watercolor paints and similar media. While using paper and canvas, this class will provide more in depth instruction on painting and drawing. Students will explore and develop a drawing style and expression that is demonstrated in their work. All projects incorporate the elements and principles of design and place emphasis on craftsmanship and personal expression.

Prerequisite: Painting II

One semester elective, 0.5 credit

CERAMICS I **Grade Levels: 9, 10, 11, 12**

Ceramics I provides students with a foundation in the history of ceramics, with an emphasis on critique, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes, with a focus on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel. All projects will be based on the elements and principles of design and emphasize artisanship and problem-solving skills. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others.

Prerequisite: Art for Everyone

One semester elective, 0.5 credit

CERAMICS II **Grade Levels: 10, 11, 12**

Ceramics II provides students with a foundation in the history of ceramics, with an emphasis on critique, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes, with a focus on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel. All projects will be based on the elements and principles of design and emphasize artisanship and problem-solving skills. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others.

Prerequisite: Ceramics I

One semester elective, 0.5 credit

CERAMICS III **Grade Levels: 10, 11, 12**

Ceramics III provides students with a foundation in the history of ceramics, with an emphasis on critique, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes, with a focus on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel. All projects will be based on the elements and principles of design and emphasize artisanship and problem-solving skills. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others.

Prerequisite: Ceramics II

One semester elective, 0.5 credit

DIGITAL ART **Grade Levels: 11, 12**

This introductory course deals with learning current computer and art technology to produce an artistic image. Students in Digital Art will learn design, visual literacy and the principles of art in composition to create a variety of digital media artworks utilizing professional image editing software, cameras, and video editing software. Digital Art explores the creative and conceptual aspects of designing and producing digital imagery, graphics, and photography. Students study the techniques, genres, and styles from multiple mediums and forms. Topics may include aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution, and marketing; and contextual, cultural and historical aspects and considerations. Historical art movements will be studied as they relate to student projects. Students will develop vocabulary to analyze and communicate their thoughts about their work as well as work done by others. This is a general or regular course. A comfort level with computers and technology is strongly recommended.

Prerequisite: Art for Everyone

One semester elective, 0.5 credit

TEXTILES **Grade Levels: 9, 10, 11, 12**

This class focuses on elements of design while exploring uses of yarn and fabrics. This is a student-led class, specific lessons will be determined by the students. Some examples of what students can learn are sewing by hand and with a machine, tailoring, as well as repairing and upcycling clothing. Students can also learn crocheting, knitting, and weaving. Students will provide clothing for repair, tailoring, and upcycling.

Prerequisite: Art for Everyone

One semester elective, 0.5 credit

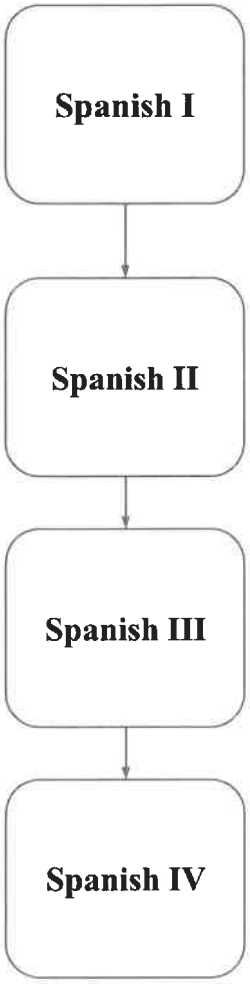
3 DIMENSIONAL ART **Grade Levels: 9, 10, 11, 12**

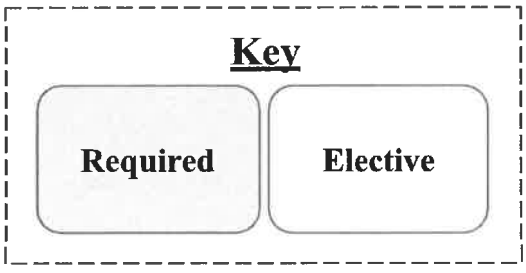
This class is student-led and explores creating 3 dimensional art using the elements and principles of design. Students will explore and create art with a variety of materials such as plaster, paper mache, wire, cardboard, and found objects. Students will focus on problem solving and artisanship. Some examples of possible projects are basket weaving, masks, mobiles, origami, book art, jewelry, and sculptures

Prerequisite: Art for Everyone

One semester elective, 0.5 credit.

WORLD LANGUAGE





World Language

Students enrolled in World Language classes are eligible to earn a Certificate of Global Competence. The Certificate of Global Confidence is awarded to students who demonstrate a strong interest in global citizenship by successfully completing the global education curriculum and engaging in co-curricular activities and experiences that foster the development of global competencies. At the end of their senior year students who have successfully completed the Global Scholars Program will receive a state certified Certificate of Global Competence.

To be eligible for the Global Certificate students must complete 4 years of a language as well as 4 credits of coursework with a global focus. Eligible classes include, English II (1 credit), World Civilization (1 credit), US History (1 credit), Philosophy I (.5 credit), Philosophy II (.5 credit), Marketing II (.5 credit).

For more information and an application please contact Mr. Kaminski.

SPANISH I **Grade Levels: 9, 10, 11, 12**

Classes follow the communicative approach, meaning the teacher will be speaking Spanish. Students will begin the study of Spanish by learning to comprehend, speak, read and write the language. The study of Hispanic culture will also be incorporated as students learn about Spanish speaking countries and are introduced to their customs and traditions. Students will learn to express likes and dislikes, describe themselves and others, ask/answer questions, talk about where they go and what they do, and describe their family members. By the end of the year, students will have the ability to communicate on a basic level in various areas and will read an entire book in Spanish.

Two semesters elective, 1.0 credit

SPANISH II **Grade Levels: 10, 11, 12**

Furthering Spanish communication skills to talk about daily routines and activities, explain past events and acquire medical treatment are a focus. To further knowledge of present tense students will read a book completely in Spanish and watch short videos in Spanish. In addition to the use of the present tense, students will become fluent with the use of the past tense. Students will be introduced to authentic reading and oral materials throughout the school year, including reading a book and writing their own story at the end of the school year.

Two semesters elective, 1.0 credit

Prerequisite: Spanish I with grade of C- or better

SPANISH III **Grade Levels: 11, 12**

Expanding upon the four skills of speaking, listening, reading, and writing is the goal of this course. Students at this level will be required to use the target language exclusively in the classroom and in communications with the teacher. The target language will be used to discuss past events, give advice, discuss ways to live a healthy lifestyle, relationships, and getting a job. Students will read two books,watch a video series, and watch films in Spanish.

Two semesters elective, 1.0 credit

Prerequisites: Spanish II with grade of C- or better

SPANISH IV **Grade Level: 12**

In this course, students will exclusively use the target language in the classroom, in communications with the teacher, and with other students in the class. They will use their skills to analyze and critique authentic texts, Hispanic films, art and music. Emphasis will be placed on reacting and responding to various situations in the target language, in both historical and contemporary issues. A community service component can be incorporated at the end of the second semester in which students will teach Spanish lessons to students at the elementary school. There will also be an opportunity if time allows for preparation for the foreign language placement exam needed to test out of credits for college.

Two semesters elective, 1.0 credit

Prerequisites: Spanish III with grade of C- or better