

Oakfield High School

Course Catalog



2018-2019

Oakfield High School Graduation Requirements

A diploma is awarded to all pupils who have successfully completed the following minimum requirements, providing they have the recommendation of the high school principal. Students will not be allowed to participate in the graduation ceremony unless they have completed all of the credits needed to graduate.

Graduation Requirements:

English	4 credits
Math	3 credits
Science	3 credits
Social Studies	3 credits
Physical Education	1.5 credits
Computer Literacy	.5 credit
Financial Literacy	.5 credit
Health	.5 credit
Electives	10.5 credits
Total	26.5 credits

IT IS THE RESPONSIBILITY OF EACH STUDENT TO BE CERTAIN THAT HE/SHE WILL HAVE THE CORRECT AMOUNT AND TYPE OF CREDITS IN ORDER TO GRADUATE.

WITH THE EXCEPTION OF STUDENT PUBLICATIONS, BAND, CHOIR, AND NO CLASS CAN BE TAKEN MORE THAN ONCE

***Any student wanting to drop a class/change a schedule must do so prior to the start of the semester term. Any course dropped after the second day of class will result in a semester F unless given Administrator approval.**

Oakfield High School Grading Scale

Cumulative GPA will be calculated at the conclusion of each semester. The final semester grade for each class will be used to calculate cumulative GPA. Class rank is based on cumulative GPA. Rank at the conclusion of 1st semester of senior year will determine valedictorian, salutatorian and recipient of the Academic Excellence Scholarship.

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

University and Technical College Requirements

Exact requirements vary between universities. Listed here are the minimum requirements that a student will need. Each institution may specify additional unit requirements, class rank requirements and ACT requirements.

Guidelines for University Preparations

** Follow all Oakfield High School graduation requirements.

Encouraged...

**World Language – 2 Credits

Math - 4 Credits (Algebra and above)

Fine Arts

Other Core Academic Electives

Guidelines for Technical College Preparations

** Follow all Oakfield High School graduation requirements.

Encouraged...

CTE Courses where appropriate

Practical Application Electives

Fine Arts Electives

*Program Specific Requirements

**World Language may or may not be required. The university you attend and the major you declare will determine if a language is required.

It is impossible to summarize the wide variety of entrance requirements for colleges. Check the college's website for specific information and requirements.

The ACT or SAT test is required by most colleges for admission. The ACT test is taken in the spring of the junior year. Please check the admission requirements to the college for their minimum score requirement and class rank needed for admission.

Career Exploration

Students will be exploring their interests and skills through Career Cruising. All students in grades 9-12 will have the opportunity to develop a personal Academic and Career Plan.

On-Line Resources to Help:

Career Cruising: www.careercruising.com

Occupational Outlook Handbook: www.bls.gov/oco/

Major Mania: www.uwhelp.wisconsin.edu/majormania

Wisconsin Technical Colleges: www.witechcolleges.org – (Interest Surveys)

Wisconsin's Private Colleges: www.PrivateCollegeZone.org

Career Clusters & Their Pathways

Focusing on a career cluster and following a pathway will help you define your academic career and prepare for college/career success.



Careers in agriculture, food and natural resources involve the production, processing, marketing, distribution, financing and development of agricultural commodities and resources. These include food, fuel, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

Pathways:

Agribusiness Systems
Animal Systems
Environmental Systems
Food Products & Processing Systems
Natural Resources Systems
Power, Structural, and Technical Systems

Sample Careers:

Farm Laborer
Herdsman
Breeding Technician
Extension Specialist
Butcher
Nutrition Specialist
Game Warden



Careers in architecture and construction range from designing, planning, managing and building a structure, to maintaining the built environment.

Pathways:

Construction
Design/Pre-Construction
Maintenance/Operations

Sample Careers:

Architect
Land Surveyor
Civil Engineer
Plumber
Tile Mason
Electrician



Arts, audio/video technology and communications careers include designing, producing, exhibiting, performing, writing and publishing multimedia content. This field also involves the visual and performing arts, journalism and entertainment services.

Pathways:

Audio & Video Technology and Film
Journalism & Broadcasting
Performing Arts
Printing Technology
Telecommunications
Visual Arts

Sample Careers:

Animator
Graphic Artist
Editor
Photojournalist
Desktop Publisher
Sports Writer



Business management and administration careers encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations. These career opportunities are available in every sector of the economy.

Pathways:

Administrative Support
Business Information Management
General Management
Human Resources Management
Operations Management

Sample Careers:

Job Training Specialist
Human Resources Director
Marketing Manager
Office Assistant
Courtroom Clerk



Careers in education and training involve planning, managing, and providing education and training services, as well as related learning support services.

Pathways:

Administration & Administrative Support
Professional Support Services
Teaching/Training

Sample Careers:

Teacher
Professor
School Counselor
Academic Advisor
School Psychologist
Principal



People working in finance are involved in developing services for financial and investment planning, banking, insurance and business financial management.

Pathways:

Accounting
Banking Services
Business Finance
Insurance
Securities & Investments

Sample Careers:

Credit Manager
Bank Teller
Financial Advisor
Tax Preparer
Accountant
Claims Adjuster



*Government & Public
Administration*

People working in government and public administration careers execute governmental functions including governance, national security, Foreign Service, planning, revenue and taxation, regulation, and management and administration at the local, state and federal levels.

Pathways:

Foreign Service
Governance
National Security
Planning
Public Management & Administration
Regulation
Revenue & Taxation

Sample Careers:

Health Inspector
Import Specialist
Translator
Real Estate Appraiser
Auditor
City Planner



Health Science

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development are all functions of health science careers.

Pathways:

Biotechnology Research & Development
Diagnostic Services
Health Informatics
Support Services
Therapeutic Services

Sample Careers:

Nuclear Medicine Technologist
Paramedic
Cardiac Sonographer
Pharmacist
Phlebotomist
Toxicology Laboratory Technician



Hospitality & Tourism

Hospitality and tourism encompasses the management, marketing and operations of restaurants and other facilities and services including lodging, attractions, recreation events and travel-related services.

Pathways:

Lodging
Recreation, Amusements, and Attractions
Restaurants and Food/Beverage Services
Travel and Tourism

Sample Careers:

Food Preparer
Restaurant Manager
Hotel Manager
Recreation Supervisor
Display Coordinator
Travel Agent



Human Services

Employment in human services focuses on families and human needs.

Pathways:

Consumer Services
Counseling and Mental Health Services
Early Childhood Development and Services
Family and Community Services
Personal Care Services

Sample Careers:

Family Therapist
Social Worker
Case Worker
Psychotherapist
Customer Service Representative
Funeral Director
Massage Therapist



Information Technology

Information technology entry level, technical and professional careers relate to the design, development, support and management of hardware, software, multimedia and systems integration services.

Pathways:

Information Support and Services
Network Systems
Programming and Software Development
Web and Digital Communications

Sample Careers:

Software Developer
Webmaster
Computer Specialist
Cable Technician
Java Developer
Software Test Engineer



Planning, managing and providing legal, public safety and protective services and homeland security are some of the functions of law, public safety, corrections and security careers. This field includes professional and technical support services.

Pathways:

Correction Services
Emergency and Fire Management Services
Law Enforcement Services
Legal Services
Security and Protective Services

Sample Careers:

Police Officer
Fire Marshal
County Judge
Jailer
Lawyer
Legal Analyst



Careers in manufacturing involve planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Pathways:

Health, Safety, and Environmental Assurance
Logistics and Inventory Control
Maintenance, Installation, and Repair
Manufacturing Production Process Development
Production

Sample Careers:

Assembler
Fabricator
Quality Control Engineering Technician
Machine Assembler
Electrician
Die Cutter



People working in marketing careers plan, manage and perform marketing activities to reach organizational objectives.

Pathways:

Marketing Communications
Marketing Management
Marketing Research
Merchandising
Professional Sales

Sample Careers:

Real Estate Agent
Market Development Manager
Outside Sales Representative
Account Representative
Advertising Director



The fields of science, technology, engineering and mathematics involve planning, managing and providing scientific research and professional and technical services (such as physical science, social science and engineering). These may include laboratory and testing services, as well as research and development.

Pathways:

Engineering and Technology
Science and Math

Sample Careers:

Radiation Protection Technician
Aerospace Engineering Technician
Nuclear Scientist
Process Engineer
Groundwater Consultant
Physicist



Careers in transportation, distribution and logistics involve planning, management and movement of people, materials and goods by road, pipeline, air, rail and water, as well as related professional and technical support services such as transportation infrastructure planning and management, logistics services and mobile equipment and facility maintenance.

Pathways:

Facility and Mobile Equipment Maintenance
Health, Safety and Environmental
Management
Logistics Planning and Management
Sales and Service
Transportation Operations
Transportation Systems/Infrastructure
Warehousing and Distribution Center

Sample Careers:

Airline Pilot
Dispatcher
Truck Driver
Traffic Manager
Diesel Technician
Avionics Technician
Automotive Worker
Fleet Manager

Course Offerings:

Agriculture

Intro to Agriculture
Veterinary Science
Large Animal Science
Outdoor Recreation
Green Technology
Horticulture
Landscape Management
Food Science
Agri-Business and Leadership

Art

Art for Everyone!
Digital Art
Two-Dimensional Art
Three-Dimensional Art
Glass and Metals
Independent Study-Art

Business

Computer Literacy
Entertainment Marketing
Business Law
Student Publications

Computer Science

Intro to Computer Science Principles
Intro to Computer Science Programming

Language Arts

English I
English II
American Literature
Senior English
Sports Literature
World of Film
Young Adult Literature
AP Literature and Composition

Mathematics

Algebra
Geometry
Advanced Algebra/Trigonometry
Pre-Calculus
Intermediate Algebra with Applications (MPTC)
Trigonometry with Applications (MPTC)
College Mathematics (MPTC)
Math with Business Applications (MPTC)
AP Calculus
AP Statistics

Music

High School Band
High School Choir
Advanced Vocal Training
Musical Theater

Music (continued)

Music History
Music Theory

Physical Education

Health
Physical Education I
Physical Education II
Personal Fitness

Science

Biology
Environmental Geology
Astronomy
Chemistry
Physics
Anatomy and Physiology
AP Biology
AP Chemistry

Social Sciences

Government Studies
World Civilizations
U.S. History of the 1900s
See America First
Current Political Leaders
Psychology I
Psychology II
Intro to Philosophy
Philosophy 2
Historical Personalities
Social Problems
AP U.S. History
AP Psychology

Technology Education

Rebuild, Reuse, Recycle
Skilled Trades
Intro to Automotive
Automotive 1
Automotive 2
Project Engineering Design
Project Grill
3D Modeling (Solidworks)
Metal Manufacturing
Small Engines

World Language

Spanish I
Spanish II
Spanish III
Spanish IV

Practical Experience

Financial Literacy
School to Work (Youth Apprenticeship)
Teacher Assistant
Start College Now

Agriculture

Intro to Agriculture

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

Not sure what agriculture class you want to take? Then this class is for you. This course will offer an introduction to FFA history and parliamentary procedure as well as World Agricultural Science and Technology. This course will also include introductory units from all offered agriculture courses. This will include the general areas of animal and plant industries, careers in agriculture, green technology, agri-business, and personal development in life skills. Many hands on labs in the fields of animals, plants, genetics, soil, and food are also included.

Veterinary Science

Grade Levels: 10, 11, 12

One semester elective, ½-science credit

Veterinary Science is a specialty hands-on course. It encompasses the science and study of domesticated animals such as rabbits, dogs, cats, rodents, reptiles, fish, and birds. In the course, students will be exposed to lab and computer activities that replicate the following career opportunities: veterinarian, veterinarian assistant, and veterinarian technician. Proper care, management, nutrition, and breeding of domesticated animals will also be discussed. Animal care, safety, careers, and animal systems, as well as animal rights versus animal welfare will be studied. There may also be guest speakers addressing this class, as well as on-site learning. Area Veterinary Technicians also provide hands-on learning experiences. Students will be able to perform basic veterinary technician practices after completing this course.

(Approved for ½-science equivalency credit.)

Large Animal Science

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

Large Animal Science is a course for the student wanting to explore the science of animal management and production. The course includes a study of the meat processing industry, evaluation of animals, animal welfare vs. animal rights, animal health, nutrition, reproduction, behavior, nutrition, and genetics. Large Animal Science will also include an overview of the following animals and the appropriate management and nutritional requirements for each: beef, dairy, swine, sheep, goat, poultry, and horse. Current issues, career opportunities, and computer applications related to this course will be explored. Instruction will be a combination of classroom, laboratory, and onsite learning.

Outdoor Recreation

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

Outdoor recreation will focus on wildlife and the Wisconsin Department of Natural Resources. Students will be introduced to the DNR, and have the opportunity to become certified in areas of boat, snowmobile, ATV, hunter, and trapper safety. Wisconsin Laws pertaining to these recreational activities will be discussed and explained. This course will also focus on animal identification, fur identification and preservation, animal scoring, and taxidermy. Several hands-on projects and field trips are involved in this class, including taxidermy.

Green Technology**Grade Levels: 9, 10, 11, 12**

One semester elective, ½ credit

Green Technology focuses on natural resources and wildlife issues. Topics include career opportunities, forestry, and aquaculture, efficient use of our natural resources, ecology, wildlife management, and water and air quality. Students in this course will concentrate on the preservation of natural resources and wildlife, the habitat they live in, and the problems concerning them. At the conclusion of this course, students will be able to identify various trees and understand their management; explain problems of forests such as fire, health, insects, disease, and harvest; identifying big game, small game, birds, fish, and endangered species of Wisconsin. This course will also focus on alternative energies and green societies.

Instruction will be a combination of classroom, laboratory, and on-site learning. Several hands-on projects are part of this class, including taxidermy.

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

One semester elective, ½-science credit

This laboratory-based semester course is for any student interested in horticulture as a career or hobby. Areas covered will include basic plant science, flowers, bedding plants, vegetables, gardening, and plant management. Greenhouse operation will be a major component of the semester. This includes plant selection, propagation, nutrition, pest control, and marketing. Computers, careers, and safety will be integrated throughout the semester. Other topics will include marketing and production of indoor and outdoor foliage plants, plants for food, potted plants, fruit crops, cut flowers, and hydroponics. Emphasis will be on hands-on education using computers, the greenhouse, and lab facilities. Students will be responsible for day-to-day operation of the greenhouse.

(Approved for ½-science equivalency credit.)

Landscape Management**Grade Levels: 10, 11, 12**

One semester elective, ½ credit

This semester-long course deals with the design, management and maintenance of landscaping and its related fields. Topics include career opportunities, site development, landscape design, construction materials, plant material usage, economic analysis, and landscape maintenance. Lawn care, trees, shrubs, flowers, pruning, plant propagation, growth, and home gardening will be discussed.

Emphasis will be on hands-on education using computers, the greenhouse, and lab facilities.

Installation and maintenance of school projects will also be a focus.

Food Science**Grade Levels: 9, 10, 11, 12**

One semester elective, ½ credit

This laboratory-based, semester course will focus on the application of technology to the agricultural industry and food production. Students will work in both classroom and greenhouse labs. Topics will include food science, processing and safety, plant technology and cloning, along with an overview of biotechnology. The course will also include computer technology, FFA, recordkeeping, and current issues and careers in agriculture as related to animal production and food science.

(Not approved for science equivalency credit)

Agri-Business and Leadership

One semester, elective, ½ credit

Grade Levels: 10, 11, 12

This course is recommended for students who wish to become knowledgeable in the areas of business operation, management, and economics. The management and financial topics are valuable to students entering any occupational area. Areas of study include career opportunities, history of marketing, types of marketable goods, market functions, supply and demand, record keeping, cooperative business management, taxes, insurance, financial records and analysis, legal issues, employer-employee relations, and farm/non-farm business planning. This course also deals with leadership and group activities for students who like to interact with other people in the school and community. Topics include understanding leadership styles, developing your own leadership style in class, communication skills, and leadership activities, different types of etiquette, problem solving, and decision-making skills. Students will work on hands-on projects that are school and community oriented.

Art

Art for Everyone

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

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 2-dimensional design and 3-dimensional design. Assignments will explore problem solving skills in both 2-D and 3-D pieces. Students will develop a vocabulary to analyze and communicate their thoughts about their work as well as work done by others.

(Prerequisite for all other Art Courses) 2018-19

Fee: \$5.00

Digital Art

Grade Levels: 10, 11, 12

One semester elective, ½ credit

This introductory course deals with controlling computer 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. Art historical movements will be studied as they relate to student projects. A comfort level with computers and technology is strongly recommended.

Prerequisite: Art for Everyone

Two-Dimensional Art

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

This course is designed to teach students more about drawing, painting, and other forms of 2-Dimensional Art. Students will focus on tools that include pencil, colored pencil, chalk, pastels, and paint. 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

Fee: \$5.00

Three-Dimensional Art

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

This class is designed to teach you more about sculpture and ceramics. You will complete a variety of three-dimensional artworks, and explore and practice traditional techniques used to make their own three-dimensional artworks. All projects will be based on the elements and principles of design and emphasize artisanship and problem-solving skills.

Prerequisite: Art for Everyone

Glass and Metals**Grade Levels: 10, 11, 12**

One semester elective, ½ credit

In this course, students will learn the basics of working with glass and metal as an art form. This course will introduce the student to art fundamentals as they apply to stain glass and metal jewelry design. The learning process will include function and structures of art, research, resources, and design sketching and planning. Soldering, cutting glass, manipulating small metal and the use of hand tools will also be taught. Students will learn basic techniques and processes of stain glass and jewelry metals.

Prerequisite: Art for Everyone

Fee: \$10.00 and Individual Project Glass Cost

Independent Study - Art**Grade Levels: 11, 12**

One semester elective, ½ credit

Prerequisite: Art for Everyone

This course is offered to art students interested in pursuing art studies beyond the Art Department's other courses. It is intended to allow students to further explore their art skills diligently and independently beginning with two open-ended projects and followed by student's choice in study. Students must perform daily tasks and time-management to produce finalized projects over a reasonable period of time to be agreed upon between the teacher and student. Various media and disciplines may be studied, including but not limited to: painting, drawing, ceramics, glass, printmaking and sculpture.

Business

Computer Literacy

One semester **required**, ½ credit

Grade Levels: 9, 10, 11, 12

Go beyond the basics and get a head start on mastering the most popular business software suite – Microsoft Office. Learn Word, Power Point and Excel, which are essential programs in today's world. Students are encouraged to take this class early in high school as it teaches useful skills they can use in future classes. **With a grade of C or better students can earn Moraine Park Technical College transcribed credit if student completes appropriate paperwork.**

Business Law

One semester elective, ½ credit

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.

Business Marketing (Offered 2019-20)

One semester elective, ½ credit

Grade Levels: 10, 11, 12

Marketing is a dynamic and an exciting field, a key tool in mastering success in the business world. People often confuse marketing with only 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 who take this class will have the opportunity to participate in exciting projects and case studies that will help them prepare for DECA competitions.

Entertainment Marketing

One semester elective, ½ credit

Grade Levels: 10, 11, 12

Entertainment Marketing is a unique and creative course designed for students with an interest in marketing and designing products for companies in a real-world setting. Students in this class will also have the opportunity to engage in exciting projects such as creating their own sports or business franchise as well as participating in real life case studies that will help them prepare for future DECA meets.

Student Publications

Two semesters elective, 1 credit

Grade Levels: 10, 11, 12
(Grade 9 with teacher approval)

Students in this class have the opportunity to plan, design, create, and evaluate elements of our District and Community newspaper "The Oakfield Difference." You may take this course 1st or 2nd semester or both.

Computer Science

Intro to Computer Science Principles

Grade Levels: 10, 11, 12

One semester elective ½ credit

In this class, you will learn the basic programming components with hands on approach through discovery, experimentation and application. The class is built around a large, culminating, programming project that exercises the objectives of unit. The curriculum is designed for use with the Snap! Programming language. Snap! Is a visual programming language designed to allow students to focus on concepts and skills rather than syntax when learning to program.

Computer Programming in Python

Grade Levels: 10, 11, 12

One semester elective ½ credit

This course is intended for students with little or no programming experience. It aims to provide students with an understanding of the role computation can play in solving problems and to help students, regardless of their major, feel confident of their ability to write small programs that allow them to accomplish useful goals. This class uses the Python 3.5 programming language.

Language Arts

****4 Language Arts Credits Required for Graduation****

English 1

Grade Level: 9

Two semesters **required**, 1 credit

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 include a variety of short stories, *Romeo and Juliet*, *The Odyssey*, *Monster*, and *Night*.

English 2

Grade Level: 10

Two semesters **required**, 1 credit

English 2 is a required 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.

American Literature

Grade Level: 11

Two semesters **required**, 1 credit

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. 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.

***Note: If a student wishes to take AP Language and Composition or AP Literature and Composition, he or she may substitute it for the required American Literature and/or Senior English.**

Senior English

Grade Level: 12

Two semesters **required**, 1 credit

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. Content will range from novels and dramas to significant informational texts. Possible literary texts include *One Flew over the Cuckoo's Nest*, *Death of a Salesman*, *The Absolutely True Diary of a Part-Time Indian*, and *The Taming of the Shrew*.

***Note: If a student wishes to take AP Language and Composition or AP Literature and Composition, he or she may substitute it for the required American Literature and/or Senior English.**

Classical Mythology (Offered 2019-20)

One semester elective, ½ credit

Grade Levels: 10, 11, 12

This course explores the roots of ancient mythology. The class will examine mythology from a variety of cultures including Greek and Roman. Students will read, interpret, and write mythological tales in order to understand the purpose and function mythology served in ancient cultures.

Modern Mythology: Science Fiction and Fantasy (Offered 2019-20)

One semester elective, ½ credit

Grade Levels: 10, 11, 12

Students will explore the defining characteristics of science fiction and fantasy literature by reading, analyzing, and creating examples from each genre. Students will consider how these modern genres are similar to ancient forms of mythology.

Texts for the course may include *Ender's Game*, *Brave New World*, *1984*, *The Golden Compass*, *The Hobbit*, *The Hunter's Moon*.

The World of Film

One semester elective, ½ credit

Grade Levels: 11, 12

The course explores genres of film spanning from the beginning of film to productions that are more recent. Students will examine techniques and aspects of films, analyzing choices made in the production of the film. Students may write their own creative screenplay, taking into consideration techniques observed in viewed films.

*10th grade may be considered with teacher and parent consent.

Creative Writing (Offered 2019-20)

One semester elective, ½ credit

Grade Levels: 11, 12

This course focuses on the reading, evaluation, and practice of literary and expressive writing. Students will experiment with various types of writing, which may include short stories, poetry, autobiographical sketches, and journal reflection. Students will also read and evaluate effective writing strategies used by published authors. An important component of this course will be for students to evaluate the effectiveness of both their own writing as well as their classmates'. Using guided revision and editing skills, students will self-reflect on their own writing and provide supportive feedback to their peers.

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

Young Adult Literature

One semester elective, ½ credit

Grade Levels: 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.

* 9th grade may be considered with teacher approval.

Advanced Placement English Language and Composition

Grade Levels: 11, 12

Two semesters elective, 1 credit

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 literature in preparation for writing assignments.

Prerequisites: Passing grades in English 1 and English 2

***Note: If a student wishes to take AP English, he or she may substitute it for the required American Literature and/or Senior English.**

Advanced Placement Literature and Composition (Offered 2019-20)

Grade Levels: 11, 12

Two semesters elective, 1 credit

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: Passing grades in English 1 and English 2 or American Literature

***Note: If a student wishes to take AP English, he or she may substitute it for the required American Literature and/or Senior English.**

Mathematics

****3 Math Credits Required for Graduation****

(*4 Math Credits Recommended for 4 Year University including: Algebra, Geometry, and Advanced Algebra)

Algebra

Grade Level: 9, 10, 11

Two semesters elective, 1 credit, (required for admission to any 4-year university)

Algebra is offered for incoming freshman or advanced 8th grade math students. Students will learn to solve algebraic equations using the distributive property, multiplication property of equality and the addition property of equality. They will learn to graph on a Cartesian coordinate system as well as understand slope of a linear equation. Students will also learn to manipulate and perform operations on polynomials as well as solve systems of equations.

Geometry

Grade Levels: 9, 10, 11, 12

Two semesters elective, 1 credit, (required for admission to any 4-year university)

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.

Prerequisites: Algebra

Advanced Algebra/Trigonometry

Grade Levels: 9, 10, 11, 12

Two semesters elective, 1 credit, (required for admission to any 4-year university)

The main purpose of this course is 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.

Prerequisites: Passed Algebra with a "C" or better

Pre-Calculus

Grade Levels: 10, 11, 12

Two semesters elective, 1 credit

This course reviews the concepts previously covered in high school mathematics, treating them in greater depth, and introducing several new topics in mathematics. Topics covered are review of algebra and trigonometry, complex numbers, determinants, binomial theorem, beginning calculus, analytical geometry, statistics, probability, and others. Enrollment is suggested for any students planning to attend technical school or vocational school, in any fields related to mathematics such as computer operators. Graphics calculator is required. TI Series is suggested.

Prerequisites: Passing grades in Geometry and Advanced Algebra

College Mathematics**Grade Levels: 10, 11, 12**One semester elective $\frac{1}{2}$ credit

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 performing arithmetic operations and simplifying algebraic expressions, solving linear equations and inequalities in one variable; 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 within and between U.S. and metric systems; 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. Earns $\frac{1}{2}$ Oakfield math credit and 3 Moraine Park credits.

Math with Business Applications**Grade Levels: 10, 11, 12**One semester elective, $\frac{1}{2}$ credit

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. Earns $\frac{1}{2}$ Oakfield credit and 3 Moraine Park credits.

Intermediate Algebra with Applications**Grade Levels: 10, 11, 12**One semester elective, $\frac{1}{2}$ credit

This course offers algebra content with applications. Topics include properties of real numbers; order of operations; algebraic solution for linear equations and inequalities; operations with polynomial and rational expressions; operations with rational exponents and radicals; and algebra of inverse, logarithmic, and exponential functions. Earns $\frac{1}{2}$ Oakfield Math credit and 3 Moraine Park credits.

Trigonometry with Applications**Grade Levels: 10,11,12****Prerequisite: Intermediate Algebra with Applications**One semester elective, $\frac{1}{2}$ credit

Topics include circular functions, graphing of trigonometry functions, identities, equations, and trigonometric functions of angles, inverse functions solutions of triangles, complex numbers, DeMoivre's Theorem, polar coordinates, and vectors. Earn $\frac{1}{2}$ Oakfield Math credit and 3 Moraine Park credits.

Advanced Placement Calculus**Grade Levels: 11, 12**

Two semesters elective, 1 credit

A.P. Calculus is an introductory college level course intended for accelerated math students. Students will earn high school credit and will be able to take the A.P. examination administered by the College Board. If students pass the exam, they will be able to qualify for college credit for calculus. TI-86 graphics calculator is required.

Prerequisite: Passing grade in Pre-Calculus ("B" or better) or concurrent enrollment with approval

Extra Fees: The AP exam is paid for by the school as long as the student earns an overall grade of a B or higher in the class the entire year.

Advanced Placement Statistics**Grade Levels: 11, 12**

Two semesters elective, 1 credit

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

Statistical Inference: Estimating population parameters and testing hypotheses

Prerequisite: Passing grade in Advanced Algebra & Trigonometry ("B" or better)

Extra Fees: The AP exam is paid for by the school as long as the student earns an overall grade of a B or higher in the class the entire year.

Music

High School Choir

Grade Levels: 9, 10, 11, 12

Two semesters elective ½ credit

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).

High School Band

Grade Levels: 9, 10, 11, 12

Two semesters elective, ½ credit

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.

Prerequisite: It is suggested, but not required, that students have previous experience playing a band instrument. Mrs. Mohr is willing to discuss playing options with students who need help to be “caught up” with the group.

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

Advanced Vocal Training

Grade Levels: 9, 10, 11, 12

One semester elective ½ credit

This course is open to all students who want to gain knowledge in how the voice works. We will study how the voice is the body’s instrument and what makes it work. We will work on advanced breathing techniques, vowel production, and diction, as well as ear training.

Prerequisite: Students signing up for this course must also be enrolled in high school choir.

Musical Theater

Grade Levels: 9, 10, 11, 12

One semester elective, ½ credit

This course is open to all students who want to learn more about the genre of musical theater. We will study the history of musical theater, from the silent pictures through current Broadway productions. We will study story lines, as well as all of the glorious music. We will learn both solos and ensembles from these shows.

Prerequisite: Students signing up for this course must also be enrolled in high school choir

Music History**Grade Levels: 9, 10, 11, 12**

One semester elective, ½ credit

Students will study trends, styles, and composers from each period of musical history including Antiquity, Medieval, Renaissance, Baroque, Classical, Romantic, and 20th Century. Based on time, students will also study a brief history of jazz. Listening examples, playing, and composition are also part of this course.

Prerequisite: Students signed up for this course must also be enrolled in High School Band.

*This course is designed as an Independent Study

Music Theory**Grade Levels: 11, 12**

One semester elective, ½ credit; meets face-to-face one day each week.

This course is offered to gain an understanding of the basic elements of music theory. Included in the course will be studies of composition, ear training, sight-reading, note values, musical symbols, scales, triads and intervals. Students wanting to take Music Theory must have a study hall at the same time the instructor is available.

*This course is designed as an Independent Study

Physical Education

****1.5 PE Credits Required for Graduation****
(Taken over 3 different years)

Health

Grade Levels: 9, 10

One semester **required**, ½ credit

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, and physical fitness, substance abuse, preventing disease and community health and safety.

Physical Education I

Grade Levels: 9, 10

One semester **required**, ½ credit

This course 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 competitive game setting. Sports may include, but are not limited to basketball, flag football, soccer, ultimate Frisbee, pickle ball, badminton, and volleyball.

***Note: Priority is given to satisfying the physical education graduation requirement. Every effort will be made to place you in the Phy Ed class of your current grade level unless your schedule is limited.**

Extra Fees: Student is 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: 11, 12

One semester **required**, ½ credit

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.

***Note: Priority is given to satisfying the physical education graduation requirement. Every effort will be made to place you in the Phy Ed class of your current grade level unless your schedule is limited.**

Extra Fees: Student is 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

One semester elective, ½ credit

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 cardio respiratory system. Students must be prepared each day to dress appropriately for physical activity.

Prerequisite: Phy Ed I or Phy Ed II

Science

****3 Science Credits Required for Graduation****

Biology

Grade Level: 9, 10

Two semesters **required**, 1 credit

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.

Environmental Geology

Grade Levels: 10, 11, 12

Two semesters elective, 1 credit

Environmental Geology is the interaction of humans with their geological environment. In this class, we will explore the evolution and changes of Earth and how they affect human activities. We will discuss climatic changes (global warming, greenhouse effect), ocean pollution, el Niño and related atmospheric disruptions (destruction of the ozone layer), toxic and radioactive waste disposal, land use management, natural resources, geological hazards, and alternative energy resources. We will also investigate how we have modified our planet and how those modifications affect humans. Current environmental issues such as threat to the world's water and biodiversity will also be explored in this class. Laboratory investigations using chemistry, biology and mathematics will be incorporated into many aspects of this class

Astronomy

Grade levels: 10, 11, 12

One semester elective, ½ credit

This course introduces the science of astronomy. Students will study the solar system, comets, asteroids, stars and galaxies. We will learn about the origin of the universe and look at the history of space exploration from ancient astronomy to NASA. We will explore Newton's laws of motion and have labs observing celestial bodies.

Chemistry

Grade Levels: 10, 11, 12

Two semesters elective, 1 credit

This course is a necessity for those going on to college or technical school anticipating careers in engineering, health, teaching, agriculture, or any other career involving science. It deals with the chemical nature of our everyday lives including hands on laboratory work. This course covers inorganic chemistry including the periodic table, chemical properties, chemical reactions, and an introduction to organic chemistry.

Prerequisites: Passing grades in Biology and Algebra

Physics

Grade levels: 11, 12

Two semesters elective, 1 credit

Physics is open to juniors and seniors and is recommended for students planning to attend a technical school or college, or for any career dealing with science or math. The course focuses on studying the relationships and interactions between variables utilizing graphing; computer based lab experiments, other lab apparatus, and discussions. Topics covered include graphing data, motion, vectors, forces, energy, light, and waves.

Anatomy and Physiology**Grade Levels: 11, 12**

Two semesters elective, 1 credit

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: Passing grade in Biology**Advanced Placement Biology****Grade Levels: 11, 12**

Two semesters elective, 1 credit

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: B or better in Biology and Previous/Concurrent enrollment in Anatomy & Physiology.**Extra Fees:** The AP exam is paid for by the school as long as the student earns an overall grade of a B or higher in the class the entire year.**Advanced Placement Chemistry****Grade Levels: 11, 12**

Two semesters elective, 1 credit

AP Chemistry is a first-year college level course in Physical Chemistry. Students will be involved with laboratory experiments, with an emphasis upon principal topics covered in introductory college chemistry courses. Topics covered include stoichiometry, atomic theory, chemical bonding, gas laws, chemical equilibrium, chemical kinetics, acid-base reactions, precipitation reactions, chemical thermodynamics, electrochemistry, and organic chemistry. In the spring, students may take the advanced placement test in chemistry, which may result in college level credit in chemistry.

Prerequisites: C or better in Chemistry and Advanced Algebra. If taking Advanced Algebra concurrently, must have teacher approval.**Extra Fees:** The AP exam is paid for by the school as long as the student earns an overall grade of a B or higher in the class the entire year.

Social Sciences

****3 Social Sciences Credits Required for Graduation****

Government Studies

Grade Level: 9

Two semesters **required**, 1 credit

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.

World Civilizations

Grade Level: 10

Two semesters **required**, 1 credit

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.

U.S. History of the 1900s (Junior U.S. History)

Grade Level: 11

Two semesters **required**, 1 credit

This full year course examines the history of the United States during the 1900's. The class covers the presidents and wars of the century, as well as many significant cultural events.

See America First

Grade Levels: 10, 11, 12

One semester, elective, ½ credit

This semester class explores our country's famous places to visit that entail geography and history. A main portion of the course will include individual projects of student interest. This curriculum will expand the appreciation of our country and be valuable as an idea for vacations and tourist trips the rest of your life. Major student options include culture, history, geography, and national parks.

Current Political Leaders and Issues

Grade Levels: 10, 11, 12

One semester elective, ½ credit

This semester course examines current political issues and leaders. Curriculum will evaluate the Obama Presidency and the Republican alternatives. Furthermore, local and state politicians will be examined and invited into class. Participation and discussion are a major component of the class. Any current political issue is fair game.

Prerequisites: Juniors and seniors have none. However, sophomores wanting to take the class need an "A" in Freshman Government Studies and must have teacher approval.

Psychology 1**Grade Levels: 10, 11, 12**

One semester elective, ½ credit

This semester long course looks at various topics to introduce Psychology. Units include memory, Alzheimer's disease, autism, death, various issues in abnormal psych, and social psychology. Discussion, short videos and films are a focus of the course.

Prerequisite: Sophomores wanting to select this class must have prior teacher approval. Priority is given to upperclassmen.

Psychology 2**Grade Levels: 11, 12**

One semester elective, ½ credit

Topics covered in this course are different from Psychology 1. Discussion, short videos and films are a focus. In contrast to the introduction class, Psychology 2 covers additional abnormal psychology examples and more specifically looks at individual psychologists including Sigmund Freud and Jean Piaget. More niche psychology topics such as cultural psychology will be covered.

Prerequisite: Grade of B or higher in Psychology.

Prerequisite: Sophomores wanting to select this class must have prior teacher approval. Priority is given to upperclassmen

Intro to Philosophy**Grade levels: 12**

One semester elective ½ credit

This senior based class examines the major philosophical questions that are open questions. Open, in the context of getting students to realize complex beliefs and arguments that cannot be proven, but guide how we look at our life. "The Philosophy Book" will be used as a text. We will exam major concepts such as Capitalism and Marxism, various religious philosophies (from agnosticism to atheism to believing), and what should guide life. (The point is to look at economic, political and living/life purpose theories and to have discourse--as in a civil conversation--about them). Because of the mature discussion base to the class, space is limited to 14 seniors.

Philosophy 2**Grade Level: 12**

One semester elective ½ credit

This second semester class continues the focus on open questions. It examines more branches of philosophy, like existentialism, the role of men/women, and nature/environmental philosophies and other economic/social theories. It also continues to examine other individual philosophers.

Prerequisite: Intro to Philosophy

Historical Personalities**Grade Levels: 11, 12**

One semester elective, ½ credit

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.

*Available to sophomores pending teacher approval.

Social Problems**Grade Levels: 11, 12**

One semester elective, ½ credit

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.

Advanced Placement U.S. History**Grade Level: 11, 12**

Two semesters elective, 1 credit

This full year course covers all of the U.S. history, with a primary focus on the history prior to the 1900s. The focus of the units is the 28 units provided by the A.P. College Board. Students are heavily graded on participation and discussion from readings. Essays are the common assessment for the year, as well as quarterly reports. The AP exam is taken in early May of the school year, with a 3, 4 or 5 score earning college credit to most universities.

Prerequisite: "A" in Junior U.S. History; May be taken concurrently with US History with teacher approval.

Extra Fees: The AP exam is paid for by the school as long as the student earns an overall grade of a B or higher in the class the entire year.

Advanced Placement Psychology**Grade Level: 11, 12**

Two semesters, elective, 1 credit

A.P. Psychology is a college bound class preparing students for an Introduction to Psychology course in college. Credit will be awarded to those receiving a 3, 4 or 5 on the Advanced Placement exam at the end of the school year. The course will cover major concepts of an intro collegiate psychology course, including states of consciousness; sensation and perception, developmental psychology; cognition, learning; motivation and emotion; abnormal psychology; treatment of psychological disorders and social psychology. Normally Psych 1 & 2 would be a prerequisite, but 2013-14 being the first year it would be offered, the AP Psychology course would require a teacher approved junior or senior simultaneously taking Psych 1 & 2.

Prerequisite: Teacher approval.

Extra Fees: The AP exam is paid for by the school as long as the student earns an overall grade of a B or higher in the class the entire year.

Technology Education

Recycle, Rebuild, Reuse

One semester elective, ½ credit

Grade Levels: 9, 10, 11, 12

This class will teach students the thought process and skills to find discarded materials/equipment and find a new use for them. Students will learn the importance of recycling and will learn maintenance of equipment to prolong the usage life.

Skilled Trades

One semester, elective, ½ credit

Grade Levels: 9, 10, 11, 12

Students will learn vocational skills needed to work in some of today's most demanding jobs. Skills that include welding, electrical, plumbing, HVAC, construction and other skills used in American Manufacturing.

Intro to Automotive

One semester, elective, ½ credit

Grade Levels: 9, 10, 11, 12

Students will learn all basics of automobiles and automotive repair including how an internal combustion engine works. Hands on experiences will include oil changes, tire rotations, mounting and balancing tires and more.

Automotive 1

One semester, elective, ½ credit

Grade Levels: 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.

Prerequisite: Intro to Automotive

Automotive 2

One semester elective, ½ credit

Grade Levels: 11, 12

This class will continue working on mechanical workings of automobiles and the automotive industry. Students will be working on projects with a 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 and engine management systems.

Prerequisite: Automotive 1

Project Grill

One semester, elective, ½ credit (Second semester only)

Grade Levels: 11, 12

Project Grill is a partnership with industry to learn about all aspects of manufacturing from design to troubleshooting to bookkeeping. This is a 2nd level engineering course.

Mechanical Design/3D Drawing (Solidworks)

One semester, elective, ½ credit

Grade Levels: 10, 11, 12

This course will teach Mechanical Drawing, 3D and Computer Aided Design. Students will be exposed to hand drawing of sketching and computer based drawing and design.

Metal Manufacturing

One semester, elective, ½ credit

Grade Levels: 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.

Project Engineering Design

One semester elective, ½ credit (First Semester Only)

Grade Levels: 11, 12

This class will work to design projects for second semester classes. Students taking Project GRILL and Metal Manufacturing classes will be able to take this class first semester. The students will be using multiple forms of engineering and logistics to create plans, learn about different building materials and learn how to order supplies for these projects. There will be some work in the shop for students to test ideas and prepare for the upcoming projects.

Small Engine Exploration

One semester elective, ½ credit

Grade Levels: 9, 10, 11,12

This class is designed to understand the theory and operation of air-cooled small engines. Students will learn how to diagnose and repair small engine failure and maintenance concerns. We will also explore uses of small engines in lawn care, industry and motor sports. Hands on projects include diagnosing, repairing, teardown and rebuilding air-cooled small engines.

World Languages

Spanish I

Grade Levels: 9, 10, 11, 12

Two semesters elective, 1 credit

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, order food and buy clothes. By the end of the year, students will have the ability to communicate on a basic level in various areas.

Spanish II

Grade Levels: 10, 11, 12

Two semesters elective, 1 credit

Furthering Spanish communication skills to talk about personal hygiene, make plans, give and receive directions, explain past events and acquire medical treatment are a focus. In addition to 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. Students will also add to their speaking practice by giving weekly announcements in class in the target language.

Prerequisite: Spanish I with a grade of C or better for both semesters

Spanish III

Grade Levels: 11, 12

Two semesters elective, 1 credit

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. Language will be used to discuss outdoor activities, healthy living, relationships and getting a job. *La Catrina*, an educational video series, will also be used during the second semester as a supplement.

Prerequisites: Spanish I and Spanish II with a grade of C or better

Spanish IV

Grade Levels: 12

Two semesters elective, 1 credit

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, both in and out of context. A community service component will be part of second semester where students will teach Spanish lessons to students at the elementary school. There will also be preparation for the foreign language placement exam needed to test out of credits for college.

Prerequisites: Spanish I, Spanish II and Spanish III with a grade of C or better.

Practical Experience

Financial Literacy (Formerly Transitions)

Grade Levels: 11, 12

One semester **required**, ½ credit

Understanding and managing personal finances are key 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.

School to Work

Grade Levels: 11, 12

Two semesters elective, credit varies

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. Through the Fond du Lac Association of Commerce students are partnered with a business. Students are required to have a minimum of 450 work site hours and are paid minimum wage with the opportunity for raises. Students must be enrolled in a corresponding course. Contact the counselor for more information.

Teacher Assistant (Elementary or High School)

Grade Levels: 11, 12

One or two semesters elective, ½ credit

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 need and administration approval.

See the School Counselor if you are interested in a teacher assistant position.

Start College Now Options

Grade Level: 11, 12

One or two semesters elective, credit varies

The Start College Now program allows public high school students who meet certain requirements to take post-secondary courses at a University of Wisconsin institution, a Wisconsin technical college, or one of the state's participating non-profit institutions of higher education. Under Start College Now, a student will not have to pay for a college course if the school board determines the course qualifies for high school credit and is not comparable to a course already offered in the school district. If the course is approved by the school board, the student can receive both high school and college credit upon successful completion of the course. The application deadlines for participating in this program is March 1 for the following fall semester. Contact the counselor for more information and an application form.