

2018-2019 CURRICULUM GUIDE

Course Descriptions



**This course description book is also available online at
www.ofsd.k12.wi.us
Linked to Osseo-Fairchild High School
Course Descriptions**

CURRICULUM

Dear Students,

This curriculum guide was developed for the benefit of you and your parents. It provides a description of the courses available at Osseo-Fairchild High School and other vital information to help you make good decisions about the courses that will help you meet your future personal and career needs.

The four years of high school are critical to your future. Employment data suggests that a minimum of 80% of the jobs available today require training beyond a high school diploma. In order to leave your career choice open, you need to take a very serious approach to your high school education. It is important that you, your parents and the school make a four-year plan of courses that will provide you with the appropriate educational background for the career path you choose after school. Your four years of high school provide you with a great opportunity for physical, intellectual, social and emotional growth. Please take advantage of the curricular, co-curricular, and extra-curricular activities provided for your development at Osseo-Fairchild High School.

The faculty, staff, and administration look forward to working with you during your high school career. We will work with you to help you make this the best year possible for you and your future. We also want to make sure you know that all of our courses, including Career and Technical Education courses, are available to you without discrimination based on sex, race, color, national origin, or disability.

Drew Semingson
High School Principal

At Osseo-Fairchild High School no student will be discriminated against in any curricular, extra-curricular, pupil service, or other program or activity on the basis of sex, race, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, physical, mental, emotional or learning disability.

Current Graduation Requirements

Every student at Osseo-Fairchild High School must earn a minimum of 25 credits in grades nine through twelve to qualify for a diploma. Fifteen credits are required of all students, with the remaining ten credits being elective courses. As a general rule, each semester hour of class a student successfully completes is worth one-half credit. Exceptions to this rule are noted in the course descriptions. Listed below are the required courses and credits by grade level.

Freshmen

| <u>Required Course</u> | <u>Credit</u> |
|-----------------------------|---------------|
| Biology | 1.0 |
| English 9 | 1.0 |
| Mathematics | 1.0 |
| Intro to Physical Education | 0.5 |
| U.S. History | 1.0 |
| Minimum Electives | 2.5 |

Sophomore

| <u>Required Course</u> | <u>Credit</u> |
|--------------------------------------------------------------------|---------------|
| English 10 <i>or Advanced English 10</i> | 1.0 |
| Health | 0.5 |
| Mathematics | 1.0 |
| Physical Education (must be taken either as a sophomore or senior) | 0.5 |
| Science | 1.0 |
| World Cultures | 1.0 |
| Minimum Electives | 2.0 |

Junior Year

| <u>Required Course</u> | <u>Credit</u> |
|------------------------------------------|---------------|
| English 11 <i>or Advanced English 11</i> | 1.0 |
| Physical Education | 0.5 |
| **Social Studies | |
| Minimum Electives | 3.5 |
| Mathematics | 1.0 |
| Science | 1.0 |

Senior Year

| <u>Required Course</u> | <u>Credit</u> |
|--------------------------------------------------------------------|---------------|
| English 12 <i>or Advanced English 12</i> | 1.0 |
| **Social Studies | |
| Physical Education (must be taken either as a sophomore or senior) | 0.5 |
| Minimum Electives | 5.5 |

** Students are required to take American Civics or AP US History and Sociology or Economics during their Junior or Senior year.

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AGRICULTURE

All agriculture courses have been designed on a semester basis in order to offer a wider variety of subjects. A background in all these areas is necessary if one wishes to become competent in an agricultural occupation. To reach this competency, a student must not only be capable in the classroom, but also be able to perform the skills taught in the classroom. Agriculture education provides several types of "hands-on" experiences for the students. Some of the experiments conducted in our plant science laboratory will include:

1. The use of fertilizers, pesticides, insecticides, growth inhibitors, and growth stimulator
2. Light and weather conditions
3. Soil conditions and soil types affecting plant growth
4. Production and reproduction of agronomic and horticultural crops
5. Pruning and grafting
6. Fish feeding rates
7. Water quality tests
8. Scoring antlers

Some of the projects to be completed in the shop will be:

1. Overhauling tractor engines and tractors
2. Overhauling machinery
3. Building, maintaining, and repairing several types of agriculture structures
4. Projects for the school forest
5. Use of Hydrographics

As is possible, students will travel to local farms and agriculture businesses to evaluate their animals, crops, equipment, buildings, and management systems. Students will also learn (by "hands-on" experience) how to use tools to castrate, dehorn, and dock tails on animals; how to use a computer when making management decisions; and how to operate a tractor safely.

Another part of agricultural education is FFA. To become a FFA member, students are encouraged to enroll in at least one agriculture class. FFA provides several contests where members are able to test their skills against others. Some of the contests include: agronomy, weeds, dairy products, public speaking, parliamentary procedure, livestock management, dairy cow evaluation, meat animal evaluation, farm management and land judging. The state and national associations of FFA also have choir and band for those interested. Recreation is provided through FFA basketball and softball. Awards for achievements are available at local, state and national levels along with opportunity to apply for many scholarships.

Advanced Animal Science (Transcripted Credit)

Length: One semester (Course 004511)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Animal or Dairy Science

Description: This course will be mainly concerned with animal physiology, which will include the study of muscle structure, bone structure, digestive tracts and reproductive tracts of different types of ruminants. Correct terminology will be taught and students will also demonstrate different livestock management practices. Other concepts of this class will consist of dissecting and suturing. Animals studied in the class will be dairy cows, beef cattle, swine, poultry and horses. This course is transcripted with CVTC in Eau Claire.

Advanced Small Engines

Length: One semester (Course 003161)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Minimum grade of C+ in Small Engines

Description: This class is designed for the student who is looking to take the experience in the small engine class a step further. In this class, you will be given the opportunity to do complete overhauls of the engine/project that you are able to bring in. The class is designed for you to completely build something from scratch or tear an engine down to its bare parts and get it going again. Learning how to analyze engine failures will also be part of this class; what caused this engine to quit.

Agri-Business Management

Length: One semester (Course 004501)

Credits: .5

Elective: 11, 12 or FFA Officers

Prerequisites: None

Description: This course introduces students to the business component of any agricultural enterprise. Agricultural law, economics, futures markets and trading, taxes, employer/employee relationships, communications, and goal planning are some of the topics covered. Students will learn through simulation projects such as trading in futures markets, operating a farm on computer, mock interviews, and situation role-playing. This is a required class for students in the Agri-Science Cooperative Education Experience course. FFA officers and seniors are encouraged to enroll in this course.

Agricultural Mechanics/Equipment

Length: One semester (Course 004552)

Credits: .5

Elective: 11, 12

Prerequisites: None

Description: This course will include the study of the care and maintenance of farm equipment. Topics such as: fuel consumption, machine capabilities, horsepower requirements, and field planning will be discussed. Related shop activities include: overhauling, repairing, and maintaining tractors and other farm equipment as well as assembly of equipment.

Animal Science

Length: One semester (Course 004351)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This course is dealing with livestock other than dairy. The course will study the industries of beef, swine, sheep, horse, poultry and goats. Students will look at the safety issues, judging, and caring management issues of these types of livestock. A brief unit in the identification of meat consumed by humans from these animals will be included with a tasting lab. Different types of prepared meats and sausages will be made.

Aquaculture and Water Ecology

Length: One semester (Course 004391)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Topics covered in this course include: fish tanks, water quality testing, fish taxidermy, marine mammals, fishing laws, fish and seafood sampling, hydroponics, fly tying and jig making. Laws and regulations regarding stocking fish will be discussed and state fish inspectors will test the fish we raise before they are stocked in local waters. At times we are able to participate in DNR projects in the area.

Dairy Science

Length: One semester (**Course 004331**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This course will be a study of dairy and the dairy industry. We will look at the animal itself, care of it, nutritional needs and how to maximize our product. A part of the class will also look at the products produced by visiting production facilities as well as labs dealing with taste testing. To help with this, we will prepare dairy products such as ice cream, yogurt, and cheese. In order to better understand our products, the class will look at a variety of farms to study the best milking facilities and set-up.

Field Conservation

Length: One semester, two hours (**Course 004431**)

Credits: 1.0

Elective: 11, 12

Prerequisites: Natural Resources and/or Aquaculture/Water Ecology

Description: This is a one-semester course taught over two consecutive periods. It is designed for those students who might have an interest in conservation, wildlife, or forestry for a career choice. Ninety-five percent of the class time will be spent on fieldwork and lab work, doing actual work on conservation activities within traveling distance of the school. Typical activities may include stream improvement, stream stocking, use of chain saws and timber stand improvement, tree pruning, limbing, tree planting, construction of fish cribs, banding of wood ducks, and possible visit to conservation stations in the area. Conservation personnel and films will supplement this work. A project that will be done is a unit on fishing rod building. You will start with a blank rod and finish with a ready-to-use fishing pole.

Horticultural Science (Transcripted Credit)

Length: One semester (**Course 004421**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This course introduces students to principles of plant science, taxonomy and propagation and career choices in the horticulture industry. Within a greenhouse facility, students will learn various plant propagation techniques, horticulture and gardening plant management and how plants are used inside and outside. Opportunities to gain practical work experience in horticulture will be provided through such action as marketing and sales of potted and bedding plants and through formal plant science experimentation. Additionally, lab experiences will be provided in

the fundamentals of greenhouse management. We will also help care for and maintain the planters in the commons. This class is transcribed with CVTC in Eau Claire.

Landscaping Concepts/Principles

Length: One semester (Course 004242)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Students will be doing "hands-on" activities in and out of the greenhouse. A variety of plants will be used that are a challenge to propagate. Marketing and sales will be the focus. The landscaping section of the class will consist of a "hands on" application of Horticulture I. The final goal of the class will be to demonstrate techniques in the community. We will be landscaping around the school maintaining the existing planters.

Small Engines

Length: One semester (Course 003151)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Today's work is populated with 2-cycle and 4-cycle engines. During the course we will examine the engines, fuels, carburetors, ignition, starters and maintenance of motorcycles, snowmobiles, weed eaters, boats, lawn mowers and other devices. Your knowledge will be applied on a project of your choice in the shop.

Wildlife and Forestry

Length: One semester (Course 004381)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: In this class, we will be working with wildlife basics, habitat creation, taxidermy on land type animals, wild game cooking, antler scoring, hunting and trapping regulations, and the identification of numerous mounts and pelts of animals. Guest speakers would include DNR officials, local trappers, and area game farm owners. We will look at animal track ID, venison processing and other ways to process/prepare wild game. Discussions on how humans effect wildlife; pollution, cutting trees, habitat destruction, plus what beneficial things we do. The other part of the class includes the forestry aspects; tree ID, tree aging, managing for money as well as for recreation and wildlife. We will look at the destroyers of the forest/woods and how we can protect or even

better this valuable resource. Time permitting, orienteering will also be covered and a trip to the school forest to put your gained knowledge on finding directions to use. There may be a lab fee associated with this course to cover taxidermy supplies and food preparation supplies.

A R T

Advanced Ceramics

Length: One semester (Course 005404)

Credits: .5

Elective: 10, 11, 12

Prerequisites: You need to have passed All About Clay

Description: Advanced Ceramics

In this course you will learn more advanced wheel throwing techniques and you will create larger sized ceramic pieces. The class encompasses and builds upon both wheel and hand-building skills that are previously taught in the All About Clay course. In order to take this class, you must have already taken the All About Clay course as a prerequisite.

Advanced Studio Art

Length: One semester (Course 005403)

Credits: .5

Elective: 11, 12

Prerequisites: You need to have taken at least 2 different art courses prior to signing up.

Description: This course is the highest, most challenging, and also the most rewarding art course in our program. It is designed for dedicated junior and senior art students. In this class, you will build a portfolio of independent work that demonstrates your unique talent, creativity, and personal style. In previous art courses, you explored more teacher-directed techniques and concepts. Now you are faced with the challenge of developing your own individual *artistic voice*, showing your level of mastery using conceptual thought and composition, with an art media of your choice. Within one semester, you will be expected to create a portfolio of approximately 8 finished, high quality works. There will be 2 weeks of time allotted for each project. The semester will be broken into 2 parts of investigation:

- *Breadth:* You are asked to demonstrate your ability working with a variety of design principles and media techniques. (4 works)
- *Concentration:* You are asked to create a body of related works, demonstrating your depth of investigation and process with media. (4 works)

A sketchbook will be collected periodically (every 2 weeks) to show evidence of your thought process and practice brainstorming ideas.

This course also provides you with training to photograph your finished pieces and submit for potential college scholarship opportunities.

All About Clay: From the Pottery Wheel to Clay Sculptures

Length: One semester (Course 005371)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: They never said that creating art wasn't messy. In this class we put that saying to the test! For those of you who like the pottery wheel, you'll have a chance to work on it for an entire quarter. This way you'll gain a clear understanding of how to throw on a potter's wheel with projects including mugs, plates, vases, open-center pottery and teapots. During class, you will also improve upon other various hand-building techniques such as coil and slab building as well as clay sculpture!

Animated Sculpture

Length: One semester (Course 005361)

Credits: .5

Elective: 10, 11, 12

Prerequisites: At least one art class

Description: In this course students will gain understanding of how to invent and create sculptural works of art that encompass both math and tech skill sets. Students will be challenged to design and produce high quality independent pieces that incorporate a variety of materials and machinery.

Potential Units of Study Overlapping Tech and Art ideas:

1. Infinity Mirror
2. Wooden Puzzles
3. 3-D Wooden Puzzles
4. MC Escher designs (graphic?)
5. Optical Illusion Art
6. Animated Sculpture/Animatronics
7. Puppet making
8. Retro Video Game Design
9. Chess, checkers, and/or other game board designs
10. Gallery pieces to sell
11. Possible assistance with musical and/or prom decorations and props
12. Hydroponic plant vases
13. Retro wooden children's toys
14. "Monster Mash" project with elementary students
15. Sculptural yard art

Art Metals/Mosaics

Length: One semester (Course 005341)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Fee: \$20 glass fee

Description: Arts Metals is now combined together with the Mosaics, as both classes incorporate an overlap of materials. During the first half of the semester, you will learn how to work with jewelry making tools and equipment to create metal pendants, cast rings, enamelling on copper, and much more. During the second half of the semester, you will learn how to safely cut glass and create a beautiful mosaic design. Having knowledge in both materials will finally enable you to create work that encompasses both glass and metal material together.

Digital and Film Photography

Length: One semester (Course 008701)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: This course is designed to provide the student with a basic usable knowledge of proper photographic techniques. Students will be taught the correct use of the 35 mm SLR camera, how to process black and white film, and darkroom procedures. In film photography, the focus will be placed on use of good photograph composition as well as using natural light effectively.

The second part of the semester will focus on Digital Photography. Using GIMP, students will learn how to adjust their photos by using the filter tools. Students will also learn to crop and layer images by mixing photos together into comical settings.

Lastly, students will apply these techniques in learning web based software such as Mixbook to develop your own calendars or photo book. As a final project develop your own slide show video based off your favorite song.

Digital Arts and Animation

Length: One semester (Course 005381)

Credits: .5

Elective: 11, 12

Prerequisites: None

Description: Got a knack for computers and enjoy the creative side of Art? Then learn to draw and

paint with a graphic tablet and stylus as you work on character development in Autodesk Sketchbook Pro. Once your skills are developed in Sketchbook Pro, learn 2D and 3D animation programs to bring your characters to life! This is sure to be one of those classes that you'll look forward to every day.

Drawing

Length: One semester (**Course 005351**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Drawing is a specialized class for the student who is looking to develop their drawing skills. You will learn different drawing mediums such as graphite pencil, pen and ink, marker, charcoal and oil pastel. Your drawing skills will be developed over the course of a semester by creating projects as well as completing weekly sketches in your sketchbook.

Independent Art (Art Studio)

Length: One semester (**Course 005402**)

Credits: .5

Elective: 11, 12

Prerequisites: A- or higher in any other 3 high school art classes or teacher approval.

Description: Hard work is rewarded with Independence. This class is for the student who completes MOST high school art courses with an A- or better. Independent Art is a class where the student has the chance to really specialize in one medium of art or to continue towards a well-rounded art education. One of our greatest rights is freedom of expression; in Independent Art you have a great opportunity to express that right. Reminder that if you have an A- in Drawing you work independently on Drawing Projects, you wouldn't be allowed to work with any other mediums like Photography or Pottery and Sculpture until you get an A- in those classes as well. Due dates will be strictly enforced and **one non-fiction art book per quarter** will be assigned as one of your main grades to expand your understanding of the concepts of art, not just the creation of it.

Painting

Length: One semester (**Course 005511**)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Painting is another specialized class for the Sophomore, Junior or Senior student who is looking to learn more about painting with a variety of different painting mediums. You will learn different painting mediums such as acrylic, oils, water color and batiks. By painting on fabric, wood,

paper and found objects, there will be many different ideas you will be able to explore. These skills will not only be practiced during our projects, but will also be a part of weekly exercises in your sketchbook.

MARKETING AND BUSINESS AND INFORMATION TECHNOLOGY

The major objectives of the Marketing and Business and Information Technology Department are to provide all students with the opportunity to prepare for 1) their personal lives, 2) their continued education and/or 3) their entry-level employment. All business and information technology classes are categorized as elective.

Another part of Marketing and Business and Information Technology is Future Business Leaders of America or FBLA. FBLA prepares students for real world professional experiences with Phi Beta Lambda continuing at the college level.

What does FBLA offer students?

- Career preparation opportunities through conferences, networking with business professionals, and business tours.
- Outstanding leadership conferences in cities throughout the country with motivating workshops and nationally known keynote speakers.
- Challenging competition in more than 40 different business and skill competitive events such as job interview, entrepreneurship, public speaking, accounting, business and personal law and a variety of computer-related events such as web design and desktop publishing.
- Awards for achievement are available at local, state and national levels along with the opportunity to apply for many scholarships.
- Community service experience in the O-F district as well as working with organizations such as the March of Dimes at the state level.
- Friendship and fun through local, state, and national activities and much, much more!

To become an FBLA member students are encouraged to enroll in at least one Business and Information Technology course (or to have taken a course within the department.)

Accounting I

Length: One year (Course 004801 – 1st semester) (Course 004802 – 2nd semester)

Credits: 1.0

Elective: 10, 11, 12

Prerequisites: None

Description: Accounting I is full-year course designed to present introductory phases of Accounting. This course is recommended for students who plan to study any aspect of business and/or marketing at the college level, for students pursuing a business career, or for those seeking a practical business and/or personal background. In the business world as the “language of business” and is not just for students majoring in business.

This course prepares the learner to explain the purpose of Generally Accepted Accounting Principles (GAAP), journalize service business transactions, posts journal entries, prepare a trial balance, prepare adjusting entries, prepare financial statements, complete the closing process, utilize special journals, journal merchandising business transactions, account for cash, account for receivables, and account for inventory.

“Transcribed Credit is awarded for this course pending CVTC Transcribed Credit Approval/Annual Re-approval process. In addition to receiving high school credit, students who earn a C or better (semester grade must be a C or better in order to earn Transcribed Credit,) will have grades posted to an official technical college transcript and tabulated in the student’s technical college GPA.” **If Transcription is granted, this course MUST be taken for the full year in class face-to-face to be transcribed (No independent study will be allowed).

Accounting II

Length: One Year (Course 004810 – 1st semester) (Course 004812 – 2nd semester)

Credits: 1.0

Elective: 11, 12

Prerequisites: Accounting I

NOTE: This is an independent-study course and prior approval by teacher is required.

Description: Accounting II is a year-long course taught on an independent-study basis and is a continuation of Accounting I. Accounting II is a must for students planning a business career or for students wishing to expand their general knowledge of accounting. Activities include hands-on experience using automated accounting software throughout the course, as well as completing advanced accounting simulations for realistic businesses.

Advanced Computer Applications

Length: One semester (**Course 004842**)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Computer Applications

Description: Students will be able to design their own focus of study in the class. As there are so many uses of technology today, students can select their individual concentration. Students will decide on projects to complete toward their goal which will be due every other week. The instructor will be assigning one project per quarter that is tailored to each student's individual strengths.

Advanced Marketing – A Focus on Market Analysis & Social Media Marketing

Length: One semester (**Course 004861**)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Yes, "C" or better in one of the following: Marketing Principles, Exploring Business & Marketing, Sports & Entertainment Marketing, or Entrepreneurship – Don't have a prerequisite? See instructor for permission.

Description: Market research drives business. In this course you'll do hands on market research and analyze a business to give recommendations. You will also create issues of the school's "O-F Toilet Paper" and learn how social media represents one of the most significant changes in consumer media behavior in history. This hands-on course looks at the fundamental shift in how marketers communicate and interact with consumers. You will learn how to manage a successful social media presence for an organization through use of social media platforms such as Twitter, LinkedIn, Facebook, Pinterest, YouTube, Podcasting and other platforms as they arise. This course looks at how to properly select the social media platforms to engage consumers, and monitor/measure these results through brand, competition, marketing, sales, and much more! #Marketing

Business and Personal Law

Length: One semester (**Course 004911**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Business Law is a one-semester course intended to give students exposure to legal terminology, concepts, and practices. This course is beneficial to all students and not just those planning careers in business or law, as it is designed to aid each individual in everyday life. Specific topics include the enforcement of criminal and tort laws as well as special laws dealing with minors, consumers, business firms, and small claims court actions. The remainder of the course will cover the legal aspects of making contracts, warranties and product liabilities, credit, and landlord/tenant

relationships.

Business of Sewing 1

Length: One semester (**Course 004041**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisite: None

Description: This course offers the students the opportunity to develop basic sewing and construction skills. Students will learn how to operate a sewing machine, apply basic construction principles, read a pattern, and follow instructions. They will create beginner-level projects which includes ideas of their own. Students will also investigate the financial aspects of sewing. It is a hands-on class. Students will be responsible to purchase their own fabric, thread, and any other accessories necessary for a project.

Business of Sewing II

Length: One semester (**Course 004061**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisite: Yes, "C" or better in Business of Sewing I

Description: This course builds on the skills learned in the Business of Sewing I and provides students the opportunity to enjoy the world of sewing. Students will learn and incorporate more advanced techniques in their self-selected projects to include darts, facings, button holes, and zippers make more complex projects. This class is also hands-on. Students will be responsible to purchase their own fabric, thread, and any other accessories necessary for a project.

Computer Applications

Length: One semester (**Course 004841**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Computer Applications is a one-semester course for all students but particularly those who plan to work in the field of information technology, computer engineering, or business or office administration. It is also recommended for those who want skills to enhance their employability for their career. Become a Microsoft Office pro and amaze your friends, teachers, and employers with your amazing computer skills. Topics include Word, PowerPoint, Excel, and Access--put these tools to work to be successful in work, school, and college. This class can be taken for transcribed credit with Chippewa Valley Technical College.

Desktop Publishing

Length: One semester (**Course 004771**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: You can never get enough technology. Students will have the opportunity to work with desktop publishing software to create, format, illustrate, design, and print publications such as flyers, advertisements, brochures, newsletters, cards, etc. They will receive training as a computer graphic designer with lay-out techniques needed for business projects. They will create a variety of documents utilizing template files and also confidently create their own templates. A student will be able to create his/her own documents such as graduation invitations.

Exploring Business & Marketing Concepts

Length: One semester (**Course 004851**)

Credits: .5

Elective: 9, 10, 11, 12 (preferably 9, 10)

Prerequisites: None

Description: This course introduces students to the dynamic world of business and marketing and is designed for students to learn the basics of business. Exploring Business & Marketing Concepts is an excellent introductory course that is designed for students planning further studies in business and a framework for future marketing and business courses; where students will be exposed to concepts and career opportunities in the business world. Students will learn through working with the business functions that run the concession stand, where they will count money, fill out bank deposit slips, manage inventory and order inventory, and much more. They will also learn through multi-media lectures, investigative internet research, and hands-on individual and group projects such as the O-F Toilet Paper, which allow the students to apply what they have learned to real life situations. Course work will include instruction in human relations, communications, business/marketing, and sales. Students should consider joining FBLA (Future Business Leaders of America) where they can put the classroom instruction to work in Regional, State, and National competition situations. Many of the concepts learned in Exploring Business & Marketing Concepts will be applicable to courses that students can take as sophomores, juniors, and seniors.

Global Business

Length: One semester (**Course 004941**)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None (But...Exploring Marketing & Business or Marketing Principles is helpful)

Description: Global Business is a one-semester course. As the world is getting smaller, this course is designed to expand students understanding that businesses are influenced by worldwide factors. Global business commands center stage in today's global economy. Students will learn how culture plays a role in business activities internationally. Students will have the opportunity to explore a chosen country. Topics include the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business and policy, and applications of doing business in specific countries and markets. This course has a global research project that will help students understand and dive into the global world of business.

Information Processing

Length: One semester (**Course 004651**)

Credits: .5

Required: 2018 and 2019 graduates

Prerequisites: None

Description: Information Processing is a one-semester course which will aid the student in becoming more efficient and effective in written communications to include the use of grammar and mechanics. The class is designed to provide training for personal or career and technical development. Students will learn and apply guidelines for proper personal and business document formatting such as MLA documentation style. They will use Microsoft Office software and cover advanced features to include multi-columns, tables, multi-level lists, mail merge features, spreadsheet functions, presentation tips and tricks, and more. The career component works with a continuation of the Academic and Career Planning started in the Middle School. A strong emphasis will be placed on helping students prepare to enter the world of work. Students will create job applications, prepare application/cover letters, and design resumes. Past graduates have commented on their advantage at college because of knowledge gained in Information Processing.

Marketing Principles

Length: One semester (Course 004831)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Marketing is the business function that deals with customers' needs and wants. The role of marketing management is to help companies better understand customer preferences, link that knowledge to designing appropriate products and services for selected customers, and determine appropriate methods to communicate, to deliver, and to capture value.

This course takes a comprehensive look at marketing concepts and functions. Concepts include: marketing mix, marketing decision making, segmentation, promotion, research, product development, distribution, and logistics. Marketing Principles introduces modern marketing practices, studies the essential role played by marketing in society, as well as techniques used for various industries.

**“Transcripted Credit is awarded for this course pending CVTC Transcripted Credit Approval/Annual Re-approval process. In addition to receiving high school credit, students who earn a C or better (semester grade must be a C or better in order to earn Transcripted Credit,) will have grades posted to an official technical college transcript and tabulated in the student’s technical college GPA.”

Personal Finance

Length: One semester (Course 001461)

Credits: .5

Elective: 11, 12

Prerequisites: None

Description: Personal Finance is a one-semester course designed to give students a practical knowledge of financial matters they will face now and in the future. It is strongly recommended that all students enroll in Personal Finance prior to graduating. Students will gain a better understanding of consumer rights and responsibilities; learn how to create a realistic personal budget and manage their money; use checking and savings accounts; prepare income tax returns; use credit wisely; protect themselves against identity theft; understand various kinds of insurance; understand tenant and landlord rights and responsibilities; and make sound transportation and housing decisions.

As part of the course, students will be required to create a Google slides budgeting project based on their chosen occupation and income associated with that career choice. The intent of the budgeting project is to show students what it will be like to assume financial independence from their parents. As they work through each phase of the project, students budget their income and list expenses as though they have graduated and have been out of high school for five years. The first section of the project focuses on their chosen career and includes any post-secondary training requirements (whether they enter the military, a two-year technical school, or university). Students must also research the cost of tuition as it applies to them if they are pursuing a post-secondary education

degree. The individualized project is based completely on their personal choices—from what they do after high school to where they live, what vehicle they purchase, how much insurance coverage they carry, and what they spend on other variable expenses (food, clothing, cell phone, entertainment, etc.)

The course is designed to give students the opportunity to gain a deeper understanding of what it takes to be a financially responsible consumer.

School Supervised Work-Based Learning: Agriculture, Business, and Marketing

Length: One year, 2 periods per day (Course 009251)

Credits: 1.0

Elective: Seniors

Prerequisites: Instructor's consent

Description: The school-supervised work experience program offered at Osseo-Fairchild High School is a wonderful opportunity for students to earn credit, gain career experience, and get paid while working in a business within the community. This instructional program is planned and supervised by both the teacher-coordinator and employer. Students enrolling in this course must have the instructor's consent and complete an application process including interviewing at the business. Students are required to complete weekly journal summaries and reflections as part of the grading criteria. Grading will also be based on attendance at the work place. All students enrolled in the supervised work experience course are expected to meet the following criteria:

- Spend two class periods per day working on the job (and these hours do not count against hours allowed by the state.)
- Attend school regularly and if you are not in school, you are not allowed to work that day.
- Work at your job placement even when school is not in session, but the business is open.
- Work study jobs are full year positions and the start date should be negotiated between the business, school, and student.

Sports & Entertainment Marketing

Length: One semester (Course 004951)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisite: Yes, "C" or better in one of the following: Marketing Principles or Exploring Business & Marketing Concepts (Entrepreneurship)

Description: Sports and Entertainment Marketing is designed for students who have an interest in the sports and entertainment industry, as well as a general interest in business and marketing. Course components include the following: an overview of the sports and entertainment industry, target marketing and segmentation, advertising, sponsorship proposals, license branding, facility design, merchandising, public relations/publicity, ticket distribution, event marketing and management, and career opportunities as they relate to the sports and entertainment industry. Students will complete a number of creative group projects including the following: Extreme Sports PowerPoint, NFL Training

Camp Brochure, State Tourism PowerPoint, and Sport Drink Bottle Design. Students enrolled in this course will also generate ideas for designing the sports apparel for the Osseo-Fairchild School Store and marketing the Thunder merchandise! Additionally, this class may go on a marketing field trip researched and organized by the Sports and Entertainment Marketing Class, pending principal approval.

Web Page Design

Length: One semester (Course 004751)

Credits: .5

Elective: 10, 11, 12

Prerequisite: None

Description: This course is designed to be a “first course” in web site development. Students work with a text editor and a browser to develop web pages from scratch using HTML and Cascading Style Sheets (CSS) to control color, layout, text, and images. Responsive design principles and accessibility standards are incorporated to ensure web sites are usable and professional looking. Tables, forms, audio, and video components are included to add variety and pizzazz!

**“Transcribed Credit is awarded for this course pending CVTC Transcribed Credit Approval/Annual Re-approval process. In addition to receiving high school credit, students who earn a C or better (semester grade must be a C or better in order to earn Transcribed Credit,) will have grades posted to an official technical college transcript and tabulated in the student’s technical college GPA.”

Yearbook

Length: One semester

Elective: 9, 10, 11, 12

Prerequisites: None

Yearbook is a one-semester course where students will be involved in all aspects of the production of the school’s high school yearbook. Students will begin by planning the theme and ladder of the publication. They will brainstorm and follow-through on development of the theme throughout the publication including the creation of templates for page creation. Students will gain knowledge and understanding of quality pictures and video for the publication and be responsible for picture and video taking of all school events, uploading, file naming, file management, and basic photo editing. They will be responsible to gather, organize, scan, and digitally file senior portrait pictures, childhood pictures, and quotes. Students will learn how to use online publishing software for the actual creation of the pages. Students will also be involved in the marketing the yearbook and order collection. Accuracy and quality of page design with following deadlines will be expected by each student. With instructor approval, students are allowed to be involved in yearbook for more than one semester.

Youth Apprenticeship

Length: One Year (special permission for two years)

Credits: .5 per semester

Elective: 12 (special permission for 11)

Prerequisites: Instructor's consent

Description: The standard Youth Apprenticeship is a two-year program requiring a minimum of 900 hours of paid work experience and four semesters of related classroom instruction, using a state developed curriculum which leads to a Certificate of Occupational Proficiency issued by the Governor's Work-Based Learning Board.

In addition, youth apprentices may choose to enroll in a one-year program where they must complete 450 hours of paid work-based learning while they are in the program.

Please see YA Coordinator for specific details about available programs.

LANGUAGE ARTS

Introduction

Four credits (eight semesters) of English are required for graduation. Two semesters of English 9, two semesters of English 10, two semesters of English 11, and two semesters of English 12 are required. Students have options available for achieving these requirements.

Other elective English courses are available through the English Department for students wanting to explore avenues of English.

Paperback books provide the basis for study in several of the literature classes. Student usage of the books may differ from borrowing, to rental, or to purchase. Books to be purchased by the student will be available through the school.

REQUIRED COURSES

English 9

English 10 or Advanced English 10

English 11 or Advanced English 11

The fourth year of English becomes specialized as students become more aware of their plans for their futures. Students can select their required senior credits from one of the following yearlong courses of study:

English 12, Advanced English 12

Elective One-Semester Classes Available

Mythology (9, 10, 11, 12)

English 9

Length: One year (Course 000051 – 1st semester) (Course 000052 – 2nd semester)

Credits: 1.0

Required: 9

Prerequisites: None

Description: English 9 is a foundation course which is intended to review and expand each student's ability to write and speak correctly. Emphasis is placed on the writing process, particularly the elimination of common errors in grammatical usage, spelling, and punctuation. Writing assignments stress use of the topic sentence followed by various methods of paragraph and essay development. Literature study includes non-fiction, short story, poetry, essay, and drama. Students study distinctive elements of each form, in addition to an analysis of content.

English 10

Length: One year (Course 000101 – 1st semester) (Course 000102 – 2nd semester)

Credits: 1.0

Required: 10

Prerequisites: Successful completion of one semester of English 9

Description: Language arts areas stressed in English 10 are writing, listening, speaking, and reading. Frequent writing familiarizes students with a variety of composition types using the writing process. The emphasis is on creative writing and personal narratives. Speaking and listening are integrated throughout the year. Students are required to give varied types of speeches and to critique their own speeches as well as those of classmates. Literature study focuses on short stories, essays, poetry, drama, and the novel.

Advanced English 10

Length: One year (Course 000111 – 1st semester) (Course 000112 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 10

Prerequisites: Instructor's consent; consent based on a score of 60 or higher on STARS, evidence of a high level of motivation in prior English classwork, a history of consistent attendance, and a B+ or higher in all high school English classes. All advanced English students will be required to read an assigned novel and complete assigned work over the summer. Summer reading/work must be finished by the first week of class in the new school year.

Special Note: Students wanting to take Advanced English 10 who do not meet the prerequisites may do so on a trial basis only if they meet the following criteria: Minimum of a B average in ninth-grade English course work, instructor approval, and a portfolio of work including three writing samples and a list of books read outside of class in the past year.

Description: Advanced English courses are designed for students planning for education beyond the high school level. Students will develop a perceptive and logical analysis of all genre, with emphasis on higher-level thinking and writing skills. A multi-cultural integration of classic and contemporary literature will give students diverse opportunities to challenge themselves and to develop an enjoyment and appreciation of language. The course will emphasize whole language arts – listening, speaking, reading, writing, and using media to enhance learning and communication.

English 11

Length: One year (Course 000201 – 1st semester) (Course 000202 – 2nd semester)

Credits: 1.0

Required: 11

Prerequisites: Successful completion of one semester of English 10

Description: English 11 is intended to help each student develop maturity in his/her skills in speaking, writing, listening, and literature. In speech, special emphasis is placed on the ability to present well-organized informative and persuasive material to an audience and to handle questions following such a presentation. All writing is approached through the writing process with emphasis on longer creative writing pieces, poetry, and beginning essay styles. Special emphasis is given to the use of supportive material resulting in a thoughtful conclusion. At least one basic research writing project is required.

The literature program in English 11 centers around American literature. The various relationships between political and cultural developments and the works produced by American writers of each time period are examined. Essay, short story, poetry, drama, biography, and novel are the literary forms covered.

Advanced English 11

Length: One year (Course 000211 – 1st semester) (Course 000212 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 11

Prerequisites: Instructor's consent; consent based on a score of 60 or higher on STARS, evidence of a high level of motivation in prior English classwork, a history of consistent attendance, and a B+ or higher in all high school English classes. All advanced English students will be required to read an assigned novel and complete assigned work over the summer. Summer reading/work must be finished by the first week of class in the new school year.

Special Note: Students wanting to take Advanced English 11 who do not meet the prerequisites may do so on a trial basis only if they meet the following criteria: Minimum of a B average in all Language Arts course work to this point, instructor approval, and a portfolio of work including 3 writing samples and a list of books read outside of class in the past two years.

Description: Advanced English courses are designed for students planning for education beyond the high school level. Students will develop a perceptive and logical analysis of all genre, with emphasis on higher-level thinking skills. A multi-cultural integration will give students diverse opportunity to challenge themselves and to develop an enjoyment and appreciation of language through use. The course will emphasize whole language arts – listening, speaking, reading, writing, and using media to enhance learning and communication.

English 12

Length: One year (Course 000231 – 1st semester) (Course 000232 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 12

Prerequisites: Successful completion of one semester of English 11

Description: English 12 is intended to provide an adequate background for those who may eventually enter post-secondary training such as vocational/technical institutions. Literature stresses the importance as it relates to world cultures and individual experience. Select classic pieces will be read, but the major emphasis will be on contemporary writers and media. Course projects integrate communication via reading, writing, listening and speaking.

Advanced English 12

Length: One year (Course 000251 – 1st semester) (Course 000252 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 12

Prerequisites: Instructor's consent; consent based on a score of 60 or higher on STARS, evidence of a high level of motivation in prior English classwork, a history of consistent attendance, and a B+ or higher in all high school English classes. All advanced English students will be required to read an assigned novel and complete assigned work over the summer. Summer reading/work must be finished by the first week of class in the new school year.

Special Note: Students wanting to take Advanced English 12 who do not meet the prerequisites may do so on a trial basis only if they meet the following criteria: Minimum of a B Average in all Language Arts course work to this point, instructor approval, and a portfolio of work including 3 writing samples and a list of books read outside of class in the past two years.

Description: Advanced English 12 is designed for students planning for future university-level study. Students develop higher-level thinking skills while studying multicultural literature. The course emphasizes writing needed for success in college. The course follows a guided independent learning format. Study skills and time management needed for college are reinforced.

English Booster

Length: One year

Prerequisite: Instructor's consent

Description: Students who struggle with English language arts are able to work through their English course with assistance during an extra hour of guided practice. This hour allows for additional practice with the content covered in class, time for completing and asking questions on homework assignments, and additional time for quizzes and tests. Students will be selected for this class through Instructor's consent only.

English Composition 1 (801-136 Transcribed Credit)

Length: One semester (Course 007071)

Credits: .5 elective credit at OFHS, 3 communication credits at CVTC

Prerequisites: This course is open to seniors with a 3.5 average or higher in all high school English courses. Juniors who would like to take the course *second* semester must receive instructor permission.

Students will be required to use effective communication skills, demonstrate ability to think critically, and work independently. Students will develop their writing, reading, thinking and information literacy skills in this transcribed credit course.

NOTE: This course is approved for CVTC credit as 801-136. To see how credits transfer to other UW schools check the transfer wizard at <http://www.wisconsin.edu/transfer/wizards/>

College English 1 (ENG101 CAPP Credit)

Length: One semester

Credits: .5 elective credit at OFHS, 3 CAPP credits at UW-Oshkosh

Prerequisites: This course is open to seniors with a 3.5 average or higher in all high school English courses, and ACT 19+ English and Reading scores. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Cost: A university fee if taken for CAPP credit.

This is a dual-credit Writing-Based Inquiry Seminar for students in the Cooperative Academic Partnership Program. Students will develop their writing, critical reading, critical thinking, and information literacy skills by exploring a single in-depth. Students are expected to participate actively in their own learning through class discussions and group activities. Successful completion of English 101 fulfills the English Composition general education requirement at most post-secondary colleges.

NOTE: This course is approved for UW-Oshkosh [CAPP credit](#) as ENG101. To see how credits transfer to other UW schools check the transfer wizard at <http://www.wisconsin.edu/transfer/wizards/>

Mythology

Length: One semester (**Course 000341**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Mythology is highly recommended for students who are interested in various cultures and their native beliefs. An intensive study is made of gods, heroes, and other characters from Greek and Roman Mythology. Other areas of emphasis include Chinese, Japanese, Egyptian, Scandinavian, and Native American Mythology.

The Art of Communication

Length: One semester (**Course 000371**)

Credits: .5

Elective: 11, 12

Prerequisites: None

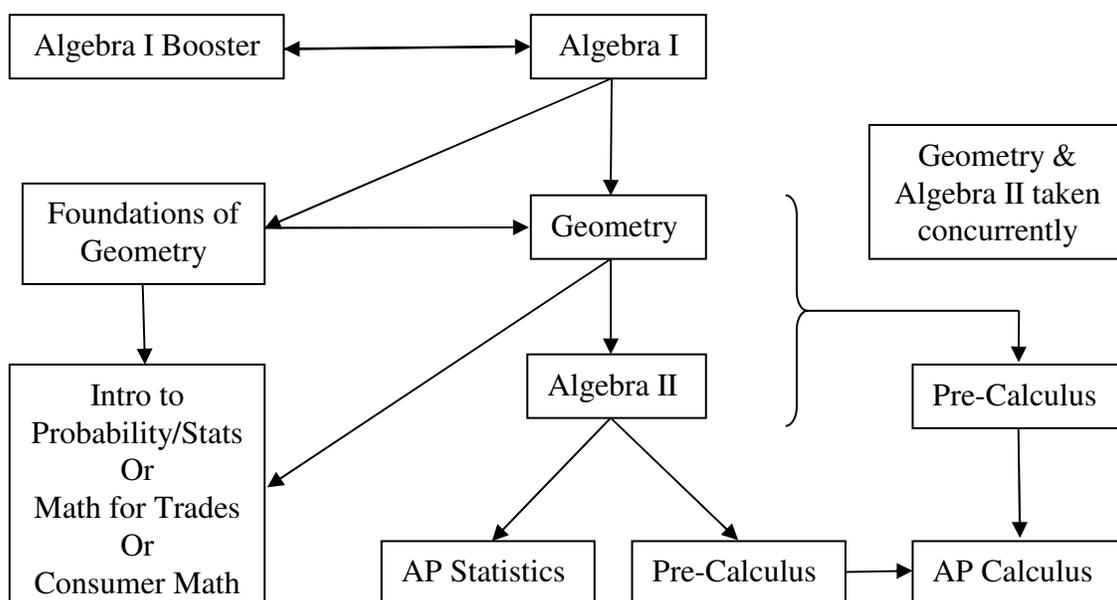
Description: Gaining control of stage fright and learning how to present yourself are valuable skills to acquire before graduating from high school. This one-semester class is designed to develop your ability to communicate effectively with both confidence and poise. Valuable speaking and listening skills will be developed through a variety of activities including: fun warm-up games and improvisation, oral interpretation of children's literature, a self-introduction speech, informative speech with a powerpoint, demonstration speech, persuasive speech/sales talk, and a special occasion speech.

This course is highly recommended for all college-bound students or anyone interested in overcoming their fear of public speaking

M A T H E M A T I C S

Three credits of mathematics, including Algebra 1, are required for graduation at Osseo-Fairchild High School. However, it is strongly recommended that everyone complete additional course work in mathematics and that a mathematics class is taken during the senior year. Most 4-year colleges require that a student successfully complete Algebra I, Geometry, and Algebra II at minimum.

Mathematics Course Mapping



Algebra I

Length: One year (Course 002001 – 1st semester) (Course 002002 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 9

Description: Algebra I aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data.

Algebra I Booster

Length: One semester (**Course 004981**)

Credits: .5

Prerequisite: Instructor's consent

Description: Students who struggle with mathematics are able to work through Algebra 1 with assistance during an extra hour of guided practice. This hour allows for additional practice with the content covered in class, time for completing and asking questions on homework assignments, and additional time for quizzes and tests. Students will be selected for this class through Instructor's consent only.

Algebra II

Length: One year (**Course 002121 – 1st semester**) (**Course 002122 – 2nd semester**)

Credits: 1.0

Prerequisite: Geometry

Description: Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, and modeling periodic phenomena with trigonometry.

AP Calculus

Length: One year (**Course 002131 – 1st semester**) (**Course 002132 – 2nd semester**)

Credits: 1.0

Elective: 12

Prerequisite: Pre-Calculus

Description: AP Calculus is intended for those who plan on attending college. Topics studied will include limits, derivatives and integrals. Applications of derivatives and integrals are also covered. College credit may be earned upon passing the AP exam.

AP Statistics

Length: One year (**Course 002141 – 1st semester**) (**Course 002142 – 2nd semester**)

Credits: 1.0

Elective: 12

Prerequisite: Algebra II

Description: AP Statistics is intended for those who plan on attending college. Topics covered in this

course include descriptive statistics, presentation of single variable and bi-variate data, probability distributions, normal distributions, statistical inferences, linear correlation, regression analysis, and nonparametric statistics. College credit may be earned upon passing the AP exam.

Consumer Math

Length: One semester (**Course 002171**)

Credits: .5

Elective: 11, 12

Description: This course is designed for students as an alternative to Pre-Calculus. Topics covered will be over various types of math applications. The topics will include Statistics, Math in Health Fields, Math and Electricity, Math of Computers, and Business and Personal Finance.

Foundations of Geometry

Length: One year (**Course 002021 – 1st semester**) (**Course 002022 – 2nd semester**)

Credits: 1.0

Prerequisite: Algebra I

Description: Foundations of Geometry aims to introduce the concepts of geometry to students at a slower pace. Students will focus on the basic concepts of geometry including points, lines, planes, angles, midpoint & distance. They will build a concept of reasoning and logic as well as formalize proofs and constructions. Students will establish concepts of congruence through transformations using rigid motions and build a formal understanding of dilations and similarity. Students will explore the properties of two and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships and interpret surface area and volume.

This course does not satisfy the prerequisite for Algebra II, nor is a substitute for Geometry.

Geometry

Length: One year (**Course 002111 – 1st semester**) (**Course 002112 – 2nd semester**)

Credits: 1.0

Prerequisite: Algebra I

Description: Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of logic, reasoning, and formal proof, exploring the properties of two and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, and proving basic theorems about circles.

Introduction to Probability & Statistics

Length: One semester (Course 002271)

Credits: .5

Elective: 11, 12

Prerequisite: Geometry or Foundations of Geometry

Description: Intro to Probability & Statistics is a semester length course that provides an overview of probability and statistics. Students will look at data collection techniques and biases within. Students will learn to construct and interpret charts for qualitative and quantitative data as well as univariate and bivariate data. Students will learn of the role of probability as well as calculating probability including counting rules, permutations, combinations, conditional probability, etc.

Math for the Trades

Length: One year (Course 002011 – 1st semester) (course 002012 – 2nd semester)

Credits: 1.0

Elective: 11, 12

Description: This course is intended for students who plan on attending a technical college. It is taught as an advanced standing course through CVTC. Students who earn a final grade greater than 80% in the class will receive a credit of math if they attend CVTC and are enrolled in a program that requires Math for the Trades. At the time of this writing, this may include the following programs: Auto Collision Repair and Refinishing, Automotive Maintenance, Automotive Technician, Diesel/Heavy Equipment Technician, Motorcycle, Marine & Outdoor Power Products, Electrical Power Distribution, and Machine Tool Technics. In this course, the skills are to be learned and acquired through application of formulas and concepts to solve real world problems.

Pre-Calculus

Length: One year (Course 002161 – 1st semester) (Course 002162 – 2nd semester)

Credits: 1.0

Elective: 11, 12

Prerequisite: Algebra II

Description: Pre-Calculus will extend topics of Algebra II including: trigonometry, conic sections, analytic geometry, and polynomial, rational, exponential, logarithmic, and inverse functions are studied in depth. Polar coordinates, sequences and series may also be studied.

MUSIC

A Capella Choir

Length: One year (Course 005761 – 1st semester) (Course 005762 – 2nd semester)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: Instructor Permission/Auditioned

Description: This year-long class will focus on learning how to perform harmonies a capella (without the use of piano or any other instruments). The choir will focus on learning challenging music in the pop, rock, country, and musical theater genres in addition to learning holiday music during November and December. This class meets on Monday and Thursday mornings from 7:30 a.m.-8:10 a.m. before regular classes commence. This class is open to sophomores, juniors, and seniors who will have to complete an audition in May before being admitted to the class. Students are not allowed to drop out at semester, as this is a year-long commitment.

Note: Students who register for this class should register for the full year. Instructor must be contacted to approve any exceptions to this rule.

Band

Length: One year (Course 005701 – 1st semester) (Course 005702 – 2nd semester)

Credits: 1.0

Elective: 9, 10, 11, 12

Prerequisites: Successful Completion of Middle School Band or Instructor Permission

Description: Senior High Band is open to those students who are able to play a band instrument at a high school level of proficiency. Members of this group will study a wide variety of musical styles from different time periods. Students who elect Senior High Band are obligated to play at football half-time shows, march in parades, participate in all concerts and attend band lessons. Students may also participate in solo/ensemble contest and pep band events. The Senior High Band meets five times a week for one credit per year.

Note: Students who register for this class should register for the full year. Instructor must be contacted to approve any exceptions to this rule.

Jazz Band

Length: One year (Course 005711 – 1st semester) (Course 005712 – 2nd semester)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: Member of Senior Band or Instructor Permission

Description: Jazz Ensemble is an elective, one-fourth credit class that meets two or three times per week. Students in jazz band study a wide variety of jazz styles including swing, rock, funk and Latin. The jazz ensemble gives several performances per year including concerts at school and in the community. Students will also participate in jazz festivals during the school year.

Note: Students who register for this class should register for the full year. Instructor must be contacted to approve any exceptions to this rule.

Mixed Choir

Length: One year (Course 005751 – 1st semester) (Course 005752 – 2nd semester)

Credits: 1.0

Elective: Freshman Men; 10, 11, 12 Men and Women

Prerequisites: Treble choir, Completion of Middle School Choir

Description: This class meets daily and performs at least once per quarter. This ensemble should be comprised of Freshman men, and 10, 11, 12 men and women. Freshman women need to complete Treble Choir before joining this ensemble, unless given permission by the instructor. Various styles of choral music are explored, including difficult four-or-more-part selections. Vocal lessons are required each semester. Students are also greatly encouraged to take part in the solo-ensemble contest during the second semester to further strengthen their musical abilities.

Note: Students who register for this class should register for the full year. Instructor must be contacted to approve any exceptions to this rule.

Musical Theater History and Performance

Length: One semester (fall) (Course 005771)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisite: At least one year of high school choir experience, or two years of middle school choir experience, and instructor approval.

Description: This class is offered in the fall semester and students focus on learning about the history of musical theater as well as improving their performance skills of musical theater repertoire. Students will be expected to sing at performances alone and in small groups (in front of the public). Students will learn about classic/current musicals and important musical theater composers, choreographers, and performers through lecture, discussion, recordings, and videos. Students will collaborate with each other and the teacher to produce quality musical theater performances.

Treble Choir

Length: One year (Course 005801 – 1st semester) (Course 005802 – 2nd semester)

Credits: 1.0

Elective: Freshman + Interested upper class voices

Description: This class meets daily and performs at least once per quarter. All freshman alto and soprano voices who want to be in choir are required to be in this ensemble. Various styles of choral music designed for alto and soprano voices will be explored, giving the students an experience of singing with only treble voices before moving on to a mixed ensemble. Vocal lessons are required each semester. Students are also greatly encouraged to take part in the solo-ensemble contest during the second semester to further strengthen their musical abilities.

Note: Students who register for this class should register for the full year. Instructor must be contacted to approve any exceptions to this rule.

PHYSICAL EDUCATION AND HEALTH

Achieving College and Career Goals

Length: One Semester (Course 002911)

Credits: .5

Elective: 11, 12

Prerequisite: None

Description: Students explore their options for life after high school and set and use plans to achieve those goals. Students will identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice, and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward 11th and 12th graders. (k12.com)

Cardio

Length: One Semester (Course 008112)

Credits: .5

Elective: 9,10,11,12

Prerequisite: Intro to Physical Education

Description: Available to any high school student. This course is designed to eliminate playing units of sports or games. The focus of the class is cardio and will be achieved through running on the track, circuit workouts, and occasionally a cardio based game. Students will be expected to have a cardio workout daily.

Current Health Issues

Length: One Semester (Course 002770)

Credits: .5

Elective: 9,10,11,12

Prerequisite: None

This class will revolve around topics that are currently going on. It's a research and discussion based class where students learn about an issue, gather information, create an opinion and discuss it. Students will also write position papers and give presentations. We will mostly use documentaries; however, news articles, and research papers will also be used to gather information and help form opinions and positions. We will also cover topics and skills that would interest students that might want to go into a healthcare career.

Health

Length: One semester (**Course 002771**)

Credits: .5

Required: 10

Prerequisites: None

Description: Health is a required class at the sophomore level. The class explores current health information and issues to help students develop life skills for maintaining or improving the physical, mental, social, intellectual, and spiritual elements of their lives. Much of the class time will be devoted to discussion of relevant health topics with emphasis on the reduction of health-related risk behaviors and sound decision-making.

Health: Health and Fitness

Length: One semester (**Course 002775**)

Credits: .5

Elective: 11, 12

Prerequisite: C or better in Health and Intro to Physical Education

Counts as required physical education credit

Description: Health Body Shop was created as an elective that expands on what you have already learned from Health 10 and Physical Education. This course investigates the value of fitness in daily life, examines methods of assessing personal fitness levels, and develops the ability to plan an individualized fitness program. Emphasis is placed on the personal development of fitness, with a goal to improve levels of fitness during the course. Body Shop will include a variety of activity/fitness modules including cardiovascular work, strength and conditioning, weight training, yoga, etc. This course will include fitness evaluation (self-testing), general principles of health, fitness, and nutrition, development of a personal training program, and much more. Unlike most health classes, we are not just going to learn how to acquire, interpret, and understand basic knowledge of health information, we are going to actually put it into practice through your personal fitness plan.

Introduction to Leadership

Length: One Semester (**Course 002931**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisite: None

Description: The purpose of this interactive course is to improve leadership through reflection, practice and feedback. This course is not about the Xs and Os of a sport. The focus is to cover concepts and strengthen skills regarding leadership and coaching. Even though many of the

conversations have an athletic root regarding leading a team, all of the examples can be related to any sort of leadership position. We will draw examples from effective coaches, team captains, business leaders and educators. This course satisfies many of the National Health Education Standards through developing skills related to core concepts of health, analyzing influences, interpersonal communication, decision making, self-management, and advocacy.

Life Skills

Length: One Semester (**Course 002921**)

Credits: .5

Elective: 11, 12

Prerequisite: None

This course offers a realistic view of the many aspects of various types of healthy and successful relationships. Topics that we will discuss include friendships, families, dating, marriage, and parenting. In addition, we will look at ways to build and maintain healthy relationships. Students can expect to have great discussions about real life issues relating to every type of relationship. Students in this course will examine what it means to establish an independent life. In this class we will explore various topics related to housing, food, clothing, and finances. Students will work on acquiring skills while participating in labs in the kitchen and various other projects where they will learn the skills needed for a successful, independent life.

Intro to Physical Education

Length: One semester (**Course 008100**)

Credits: .5

Required: 9

Prerequisites: None

Description: All Freshman must take this class. It is a prerequisite for all other physical education classes. No student will be allowed to enroll in upper level physical education classes without first taking this class. This class will focus on developing skills related to lifetime fitness, sport and recreational pursuits that can be applied throughout life. This class will provide the base knowledge needed to be successful in all upper level physical education classes.

Physical Education

Length: One semester (**Course 008101**)

Credits: .5

Prerequisites: Intro to Physical Education

Description: 1½ credits (3 semester courses) of physical education are required to graduate from Osseo-Fairchild High School. Physical Education classes are co-educational. Many of the activities focus on the development of skills for adult lifetime sports and physical fitness. Due to the number of

credits each student must obtain, it may be necessary to limit enrollment to the minimum number of credits (1.5).

ACTIVITIES: Archery, Soccer, Speedball, Softball, Volleyball, Indoor Soccer, Outdoor Soccer, Flag Football, Bowling, Ping Pong, Deck Tennis, Badminton, Horseshoes, Hockey, Golf, Basketball, Croquet, Physical Fitness Testing Program, Softball, Broomball, Social Dance, Downhill Skiing, and Outdoor Winter Activities.

Weightlifting

Length: One Semester (**Course 008110**)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisite: Intro to Physical Education

Description: This course is designed to be in the fitness center 5 days a week. Students will be expected to create their own lifting programs, record what they lift and adjust them if needed throughout the semester. This class will focus on safety of lifting and teaching students new lifts or how to improve what they already know how do to.

SCIENCE

Astronomy I

Length: One Semester (Course 002351)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Astronomy is an introduction to the solar system, stars, galaxies and the universe for students interested in the subject or those going into related fields.

Astronomy II

Length: One Semester (Course 002352)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Astronomy I

Description: A second semester for Astronomy. You can just take the first semester of Astronomy if you prefer.

Biochemistry I

Length: One Semester (Course 002531)

Credits: .5

Elective: 11, 12

Prerequisites: Visualizing Chemistry II and/or Chemistry I

Description: Biochemistry is an introductory course for careers in the health field for those going to college or tech school or just want to know. We will look into organic chemistry at a simpler level than Organic Chemistry.

Biochemistry II

Length: One Semester (Course 002532)

Credits: .5

Elective: 11, 12

Prerequisites: Biochemistry I

Description: An extension of Biochemistry I. You can just take the first semester of Biochemistry if you prefer.

Biology

Length: One year (Course 002511 – 1st semester) (Course 002512 – 2nd semester)

Credits: 1.0

Required: 9

Prerequisites: None

Description: Biology is the study of life. The course takes a look at the six Kingdoms - Eubacteria, Archaeobacteria, Protists, Fungi, Plant, and Animal. Students will study representative members of each group, learning such things as structures and functions, economical benefits, and ecological roles of each. Lab activities will be stressed, including dissection. We will study cellular biology, including structure and function of the cell, the role of DNA in the cells synthesis of protein, the role of DNA in genetics, and the role of genetic engineering in today's society. We will also emphasize ecology throughout the class, studying the role of humans in the ecosystems of the planet, pollution and climate change.

Chemistry 1

Length: One year (Course 002551 – 1st semester) (Course 002552 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 10, 11, 12

Prerequisites: An "A" in Biology

Description: Chemistry I is generally for the average to higher ability student, who is interested in a college education. It would be a good idea to have Algebra before taking Chemistry I. Chemistry deals with the composition of matter and the changes this matter undergoes. It is the basic study of the structure and changes in all materials.

Any college-bound student in science or related areas should consider taking chemistry. Many colleges require this course as an entrance requirement.

Chemistry 2

Length: One year (Course 002561 – 1st semester) (Course 002562 – 2nd semester)

Credits: 1.0

Elective: 11, 12

Prerequisites: Chemistry I

Description: This is a college preparatory course for those students who plan to pursue a major in a science field in college. The material reviews and builds upon the Chemistry I course.

Earth Science I

Length: One Semester (Course 002311)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Earth Science is a general science course meant to be taken as an introduction for those wanting another credit for graduation or for those looking into environmental or related outdoor sciences or just for interest. It covers the natural events and cycles of the earth.

Earth Science II

Length: One Semester (Course 002312)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Earth Science I

Description: A continuation of the Earth Science I. You can just take the first semester of Earth Science if you prefer.

Electricity and Magnetism

Length: One Semester (Course 002341)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Science and Tech and/or Physics Around Us I

Description: Electricity and magnetism is an add-on course to Physics Around Us or Physics I.

Environmental Science

Length: One semester (Course 002711)

Credits: .5

Elective: 11, 12

Prerequisites: 2 credits of science

Description: Environmental Science will take a look at today's relevant environmental issues on a local as well as global level. Topics include scientific principles, land biomes, aquatic ecosystems, human population, global climate change, air and water pollution.

Extended Physics I

Length: One Semester (Course 002661)

Credits: .5

Elective: 11, 12

Prerequisites: Physics

Description: Extended Physics is a course designed to extend the Physics course in the areas of interest to the student.

Extended Physics II

Length: One Semester (Course 002662)

Credits: .5

Elective: 11, 12

Prerequisites: Extended Physics I

Description: Second semester of Extended Physics. You can just take the first semester if you prefer.

Human Anatomy and Physiology

Length: One year (Course 002681 – 1st semester) (Course 002682 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 10, 11, 12

Prerequisites: see note **

Description: Human Anatomy and Physiology will explore the structures and functions of the human body. There will be an emphasis on relating the class to career choices in the medical field. This is a great course for students who plan to continue into further education into the medical field. This is a challenging course that works toward preparing students for science education after high school. Dissection and lab will be emphasized.

**Those students who do "A" work in biology and intend to take higher level science courses might consider taking anatomy and physiology as sophomores.

Introduction to Human Biology

Length: One semester (Course 002421)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Introduction to Human Biology will explore human anatomy and physiology at an introductory level. We will also delve into human disease, treatment and health issues.

Introduction to Physics

Length: One year (Course 001 – 1st semester) (Course 000112 – 2nd semester)

Credits: 1.0

Elective: 11, 12

Prerequisites: Instructor's Consent

Description: Introduction to Physics is a survey course covering all the areas of Physics and using little mathematics. This course is recommended for students currently in the Core math classes. Students simply interested in physics or planning on going to tech school should take this course.

Marine Biology

Length: One Semester (2nd Semester) (Course 002411)

Credits: .5

Elective: 11, 12

Prerequisites: None

Description: Marine Biology will be a semester class offering .5 science credit. We will study the ocean and its processes; the role of the ocean in earth's climate and biological cycles. We will study the various life forms of the ocean, such as invertebrates, fish, birds, reptiles and mammals. We will study the environmental health of the ocean, the role of humans on the state of the oceans and their future.

Physics

Length: One year (Course 002651 – 1st semester) (Course 002652 – 2nd semester)

Credits: 1.0

Elective: 11, 12

Prerequisites: Instructor's Consent

Description: Physics is the study of the makeup and interactions of everything in the universe. It is the fundamental science from which all other sciences and technologies can build from or work back towards. Physics includes the areas of motion, forces, gravity, energy, momentum, waves, vibrations, sound, light, heat, electricity, magnetism, nuclear processes and elementary particles. We cover as many of these concepts as possible. It can be taken as a second course by those students who had Introduction to Physics or it can be taken as a first course by students in Core 4, Pre-Calc or Calc. Students going into medical fields, engineering or other science disciplines will benefit from this course.

Organic Chemistry I

Length: One Semester (Course 002611)

Credits: .5

Elective: 11, 12

Prerequisites: Biochemistry I and II and/or Chemistry II

Description: This course extends to the concepts beyond Chem II and is meant only for students interested in a medical field at a 4 year college.

Organic Chemistry 2

Length: One Semester (Course 002612)

Credits: .5

Elective: 11, 12

Prerequisites: Organic Chemistry I

Description: The second semester to Organic Chemistry I. You can just take the first semester if you prefer.

Physics Around Us I

Length: One Semester (Course 002631)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: Physics Around Us is a general science course meant to be taken as an introduction to physics or to complete a high school science credit. It is an overview of the physics we see in the world around us.

Physics Around Us II

Length: One Semester (Course 002632)

Credits: .5

Elective: 10, 11, 12

Prerequisites: Physics Around Us I

Description: An extension of Physics Around Us I, this course continues with the study of physics. You can just take the first semester of Physics Around Us if you prefer.

Science & Technology

Length: One year (Course 002571 – 1st semester) (Course 002572 – 2nd semester)

Credits: 1.0

Satisfies Requirement: 10

Prerequisites: None

Description: This course provides basic science principles and information in the physical sciences. It is meant for students who are unsure of their science interest or who just wish to fulfill their science graduation credits.

Science II - Independent Study

Length: One year (Course 002581 – 1st semester) (Course 002582 – 2nd semester)

Credits: 1.0

Elective: 12

Prerequisites: Instructor's Consent

Description: Science II is for those students eager to learn more science than is currently covered in the existing science courses. The class is designed to provide students with an intimate exposure to the way science works through research of scientists and current topics in science and through independent research into areas that are chosen by the student. This course is limited to those students that have completed or will complete four other science courses.

Visualizing Chemistry I

Length: One semester (Course 002591)

Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Visualizing Chemistry is a general science course intended to be taken as either an introduction to chemistry or a just to fulfill the high school science credits. It is an overview of the chemistry we see in the world around us. We will try to learn about atoms and matter but in the context of the world around us.

Visualizing Chemistry II

Length: One semester (Course 002592)

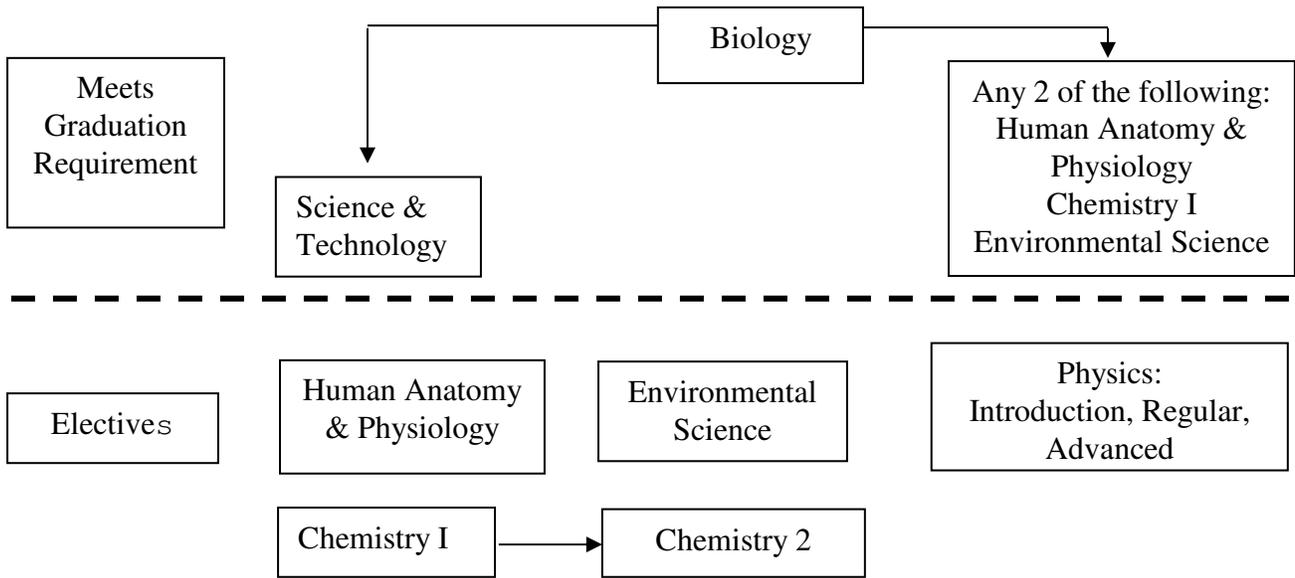
Credits: .5

Elective: 9, 10, 11, 12

Prerequisites: Visualizing Chemistry I

Description: A second semester for Visualizing Chemistry. You can just take the first semester of Visualizing Chemistry if you prefer.

Science Course Mapping



SOCIAL STUDIES

The main purpose of the Social Studies in the school curriculum is to develop, in students, a comprehensive view of the culture of man. It aims to produce students who are aware of the broad spectrum of man's activities, past and present, and who can use that awareness to shape a meaningful future for themselves and their society.

The Social Studies curriculum requires students to attain three credits in the sequence shown.

1. U.S. History (Freshmen) - entire year
2. World Cultures (Sophomore) - entire year
3. American Civics (Junior or Senior) - 1 semester or AP US Government and Politics - entire year
4. Economics or Sociology (Junior or Senior) - both 1 semester

Advanced Placement United States History (alternating Years with AP Government)

Length: One year (2018-19) (Course 001251 – 1st semester) (Course 001252 – 2nd semester)

Credits: 1.0

Elective: 10, 11, 12

Prerequisites: Instructor's Consent

Description: This course is designed to provide committed, focused, and motivated high school students with the experience of mastering college level material in United States History. The committed student will read and analyze historical writing, reflect on historical evidence, participate in discussion, and write about central themes in America's past. The course of study centers around the political, social, military, cultural and diplomatic history of America from colonization to the 1990's. Important student objectives include:

- To relate the past to the present, to develop historical thinking, and to recognize the interconnectedness of the past to the future.
- To foster awareness of the individual's responsibility as a national and world citizen.
- To develop powerful study skills, to engage in a considerable amount of outside reading, and to produce writing of a level acceptable in a college environment.
- To practice and consistently use higher-order thinking skills, notably evaluation, analysis, and synthesis, and to argue respectfully, competently and persuasively about historical dilemmas.
- To understand the diversity inherent in the American story, and to gain an appreciation for contributions from groups and individuals other than those in the majority.
- To prepare for the Advanced Placement Exam in American History in May.

Advanced Placement U.S. Government and Politics (alternating Years with AP US History – **not available 2018-19**)

Length: One year (2017 - 18) (**Course 001281 – 1st semester**) (**Course 001282 – 2nd semester**)

Credits: 1.0

Elective: 10, 11, 12

Prerequisites: Instructor's Consent

Description: Advanced Placement U.S. Government and Politics is a college level course designed for highly motivated students who have a strong interest in the area of American government. The course approaches government and politics in the United States from an analytical perspective, it involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. At the conclusion of the course students are strongly encouraged take the Advanced Placement exam in May. Successfully completing this course will fulfill the American Civics requirement for graduation.

Course Outline:

1. Introduction to Political Theory
2. Foundation of the Constitution
3. Institutions of National Government
4. Political Beliefs and Behaviors
5. Political Parties, Interest Groups, and the Mass Media
6. Public Policy
7. Civil Rights and Liberties

American Civics

Length: One semester (**Course 1021**)

Credits: .5

Required: 11 or 12

Prerequisites: None

Description: American Civics will take an in-depth look at the American political system. The course will take a look at the fundamental principles of American democracy, explore the political process at the local, state, and national level, and look at the rights and responsibilities of the citizens of the United States.

Economics

Length: One semester (**Course 1291**)

Credits: .5

Elective: 11, 12

Prerequisites: None

Description: This course is designed to provide a basic understanding of the way in which economics affect the lives of individuals and how individuals, through their economic choices, shape their world. It will also attempt to widen students' understanding of the richness and complexity of American society and to deal objectively with the world's peoples and systems.

European History

Length: One semester (**Course 1240**)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: This course will continue with the major themes started in World Cultures with special emphasis being placed on European history, culture, and development. We will examine, chronologically, the major events of European history with the objective of working our way towards the development of a modern Europe. Course emphasis will trace back to the times of the Greeks and Romans and continue up through the Middle Ages, Feudalism, Crusades, Renaissance, Age of Exploration and Religious Reformation as time permits. A major focus throughout the semester-long course will be examining the role that European Civilization had on shaping the world in which we live.

European History will continue to reinforce the skills of writing, speaking, research, discussion, and critical thinking as they relate to Social Studies.

History of Sports in America

Length: One semester - 2nd (**Course 1311**)

Credits: .5

Elective: 10, 11, 12

Prerequisites: None

Description: In this elective course we will examine the development of sports in America. Our historical study will focus on helping students gain a better understanding of the inner relationship that sport has had on social, economic, cultural and political forces in the United States as well as the world. We will examine the role of sports in American life and how changes in American life have affected sports. This is not a course in sports trivia. Rather, the main goal of the course is to use sports as a tool to better understand American history and how sports have shaped American cultures. We

will do our historical investigation through readings, primary sources, audio and visual materials as well as class discussion and lecture notes.

Course Objectives

- understand and explain the role of sport in the social construction of American culture over time.
- understand and explain how various sports became integral American institutions.
- Discuss how religion, race, ethnicity, class and gender have shaped the meaning of sports in America.
- understand some of the significant events, ideas and figures of American sports history.

Sociology

Length: One semester (**Course 1011**)

Credits: .5

Required: 11 or 12

Prerequisites: None

Description: Sociology is one of several disciplines that deal with the human condition. Sociology focuses on the patterns of human group interaction and enables students to develop sociological imagination – the ability to see the relationship between events in their personal lives and society. Sociology focuses on the interactions between people and phenomena those interactions create: social structure, institutions, stratification and collective behavior. This focus then helps students understand smaller pieces of society like community development, criminal behavior, evolution of the family, and the impact of fads, fashion and sports. Sociology can help students better understand the world around them and to deal more effectively with social problems.

U. S. History

Length: One year (**Course 001001 – 1st semester**) (**Course 001002 – 2nd semester**)

Credits: 1.0

Required: 9

Prerequisites: None

Description: Required at the freshman level, this course covers U. S. History from the Civil War to the present. Special emphasis will be placed on the people, movements, ideas, and cultural interactions which built our nation.

This course is also designed to teach and reinforce the skills of writing, speaking, research, discussion, and critical thinking as these skills relate to the Social Studies.

World Cultures

Length: One year (Course 001031 – 1st semester) (Course 001032 – 2nd semester)

Credits: 1.0

Required: 10

Prerequisites: None

Description: This course will explore the various cultures of the world, tracing regional development from prehistoric time to the 20th century. Social, economic and political development of each region and their interdependence will also be emphasized throughout the course.

World Cultures will continue to reinforce the skills of writing, speaking, research, discussion, and critical thinking as they relate to Social Studies.

TECHNOLOGY & ENGINEERING EDUCATION

Mission: The following courses are designed to provide students with the experiences necessary to becoming a successful member of society. To provide society with technologically prepared citizens, a wide array of courses has been established to provide opportunities in rich and diverse STEM (science, technology, engineering and math) fields. These courses will promote personal growth, build on existing knowledge and skills, and provide introductory experiences related to possible STEM careers.

Courses are broken into five areas: Engineering, Manufacturing, Construction & Woods, Power & Energy, and Computer Technology.

Engineering

Applied Basic Engineering

Length: One Semester (Course 003271)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Students will learn how to use various engineering machines such as a laser cutter and 3D printers. Students will then apply these tools to create specific objects. Such objects will include a small, solar powered car, a miniature city, home-made rockets, and more. During the constructions, students will also learn specific education needed for the constructions.

Basic CAD (Computer Aided Design)

Length: One Semester (Course 003201)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This is a **Transcripted Course** with Chippewa Valley Technical College. Students enrolled in this class will have the opportunity to receive college credit while expanding on their design and engineering skills. This course will start by providing an overview to basic drafting and drawing fundamentals. Students will then be introduced to a 2D and 3D modeling software, CAD (Computer-Aided Design). Through CAD, students will complete a variety of design challenges and engineering tasks. Each of these challenges will require students to take an idea from design to production.

Intro to Aviation

Length: One Semester (Course 003171)

Elective: 11, 12

Prerequisites: B- or higher in Algebra, Completion of Geometry

Description: This class will discover that math and science that allows things to fly. Along the way, students will also learn some basics of electricity, geometry, and applied math. Students will be building various crafts from planes, drones, and gliders while applying and improving their projects through testing and modifying.

Manufacturing

Metals & Welding Technologies I

Length: One Semester (Course 003021)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: About half of this course will expose students to the many forms of manufacturing metal including sheet metal, forming, forging, extruding, and heat-treating. Students will also learn common machining processes including lathe and milling operations. The other half will consist of learning various welding methods, including Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding, and Oxy-fuel Welding. We will also explore processes such as brazing, soldering and cutting. Students will also learn about project planning, micrometer and caliper reading. Projects completed throughout the course include a series of layout and machining activities as well as building a sheet metal toolbox and demonstrating various welds. We will also examine how the various aspects of STEM (science, technology, engineering and math) impact the field of metals and welding along with various career explorations.

Advanced Welding

Length: One Semester (Course 003031)

Elective: 9, 10, 11, 12

Prerequisites: Metals & Welding Technologies I

Description: This is a **Transcribed Course** with Chippewa Valley Technical College. Students enrolled in this class will have the opportunity to receive college credit while expanding on the knowledge and welding skills learned in the first course. We will expand on the skills needed for common welding processes used today, such as Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding, Oxy-fuel Welding, and various cutting processes. An in-

depth look will also be done on the concept of fabrication along with additional career exploration. Please note the final project for this course is designed and built by the student.

Construction & Woods

Woodworking Technologies I

Length: One Semester (Course 003011)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Students who elect to take this course will study everything involved in creating a wood product. Topics covered will include hand and power tool use, wood and its use, wood joinery, and product finishing. To provide students with this knowledge they will be required to make a variety of projects selected and demonstrated by the instructor. We will also examine how the various aspects of STEM (science, technology, engineering and math) impact the field of woodworking along with career exploration.

Woodworking Technologies II (Advanced woodworking)

Length: One Semester (Course 003012)

Elective: 10, 11, 12

Prerequisites: Grade of C or better in Woodworking Technologies I

Description: Upon successful completion of Woodworking Technologies I, students can further develop skills through this self-directed class. We will expand on the concepts covered in the first class and further expand various techniques and skills through student created projects. Please note the final project for this course is designed and built by the student.

Building Construction (Home Maintenance & Repair)

Length: One Semester (Course 003061)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: Approximately 64 % of the population owns their own home. This course will explore the necessary skills needed to provide basic upkeep and maintenance to a home. Course focus includes everything from basic interior and exterior fixes to simple DIY projects, even essential items such as what to look for when purchasing a home and insurance. This course will also look at the process of building a residential home and examine the skills necessary for basic remodeling.

Power & Energy

Power Mechanics

Length: One Semester (Course 003551)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This course will examine the various models of transportation including all the systems used today, with a large emphasis on automotive technology. Throughout the semester students will learn about the different transportation systems and examine the various components of an automobile, including electrical, ignition, fuel, cooling, and lubrication, and how they work together. Students will also learn basic maintenance of an automobile and repair procedures such as: oil changes, radiator flushing, tire balancing and changing, brakes etc. Students must have a driver's license so they can drive their vehicles into the shop.

Advanced Auto Mechanics

Length: One Semester (Course 003561)

Elective: 10, 11, 12

Prerequisites: Grade of C or better in Auto Mechanics I

Description: An automobile is an investment most everyone will make in their lifetime. This course will look at examining some of the essential skills needed to upkeep your car. Throughout the semester we will look at the key components of an automobile and how to properly check, maintain, and service them. This class will expand on the concepts addressed in Auto I and provide more in-depth, hands-on experiences.

Computer Technology

Communication Technologies

Length: One Semester (Course 003081)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This course will introduce students to a wide variety of graphic and digital communication technologies. We will look at the impacts these various technologies have had throughout history and how they are used today. Some of the learning activities include, but are not limited to, the design and printing of shirts, vinyl stickers, video production, graphic design, radio broadcasts (podcasts).

Programming and Robotics

Length: One Semester (Course 003211)

Elective: 9, 10, 11, 12

Prerequisites: None

Description: This course will introduce and apply programming to various mechanical and digital objects. Students will learn how to move levers, react to sensors, control lights, and other types of output. The students will then apply this programming to control a vehicle. This vehicle will use sensors to maneuver and/or react in specific ways.

WORLD LANGUAGE

The study of a world language contributes to a student's understanding of the world, provides for direct experience with a different culture, assists in a greater appreciation and knowledge of American English, makes students aware of another way of thinking and provides a skill necessary in the modern world. A world language is often required for entrance into college. College credit may also be earned by high school students studying world language.

Spanish (Spanish 1, 2, 3, 4)

Length: One year

Credits: 1.0

Elective: 9, 10, 11, 12

Prerequisites: Previous level of Spanish

Description: Spanish is an elective class open to all high school students with an overall grade point average of "C" or better. Each level of Spanish builds on the previous ones; therefore, classes must be taken in sequence with a minimum grade of "C-" to continue on in the sequence.

Spanish 1 (Course 005251 – 1st semester) (Course 005252 – 2nd semester)

An introductory course in Spanish vocabulary, grammar and culture. Students will learn to interact and survive linguistically in Spanish by using memorized materials and preparing to meet the recurring daily language demands of Spanish speaking people.

Spanish 2 (Course 005261 – 1st semester) (Course 005262 – 2nd semester)

Students will develop the listening, speaking, reading and writing skills necessary to survive in a Spanish Culture. This is an intensive course, which will develop the students' speaking, listening, reading, and writing skills. Short talks and dialogues will be prepared, short readings will be discussed, and short essays and paragraphs will be written in the target language. In addition, students will research the cultures of Latin America. Students who might be college bound should take this course.

Spanish 3 (Course 005241 – 1st semester) (Course 005242 – 2nd semester)

Students will develop advanced listening, speaking, reading and writing skills. Students will also acquire a more detailed knowledge of the culture and history of Spanish speaking people.

Spanish 4 (Course 005221 – 1st semester) (Course 005222 – 2nd semester)

Allows the student the opportunity to apply developed skills in extended reading and writing. Developed skills must be used in order to enjoy and maintain them. Various topics of culture may also be expanded upon.

PROJECT CIRCUIT COURSE LISTINGS AND DESCRIPTIONS

ADVANCED PLACEMENT COURSES

Advanced Placement courses allow high school students to earn University credit (if they score a 3 or higher on the AP exam) while still in high school in an intellectually stimulating and rewarding environment. Advanced Placement courses are offered in over 10,000 American high schools and in 64 foreign countries.

YOUTH OPTIONS

The youth options program allows all public high school juniors and seniors who meet certain requirements to take postsecondary courses at a Wisconsin technical college or institution of higher education. An institution of higher education (IHE) includes UW System institutions, tribally controlled colleges and private, nonprofit institutions.

The student does not have to pay for a postsecondary course if the school board determines the course may receive high school credit and the course is not comparable to a course offered in the school district. If approved by the school board, the student will receive both high school and postsecondary credit for a successfully completed course.

To qualify for the Youth Options program a student must:

- Have completed 10th grade, and to attend a technical college, be in good academic standing and have an acceptable disciplinary record.
- Apply to the postsecondary institution in the school semester prior to the one in which the student plans to attend the postsecondary course.
- **Notify the school board (complete form PI-8700A) of intent to enroll in a postsecondary institution no later than March 1, for a course taken in the fall semester; October 1 for a course to be taken in the spring semester. Applications are to be handed in to the High School Counselor.**

If you are interested in more information on the Youth Options program you may check the DPI website at www.dpi.state.wi.us/dpi/dlsis/let/youthop1.html

See Mrs. Frieberg for a Youth Options application to be eligible for any of the following courses.

Students are advised to only take college level courses during high school if they are highly motivated, focused, and determined to succeed. Grades earned in these college level courses will be reflected on future college transcripts. In addition, any student who fails a college course paid for by OFSD will be required to pay back the tuition cost of the course to OFSD.

Psychology, Introduction to (10-809-198)

Length: 1 Semester (1st & 2nd Semester) (Course 007062)

Credits: CVTC – 3.0; Osseo-Fairchild Credit – .5

Prerequisites: None

Host School/Instructor: CVTC/Staff

Description: Understanding and application of schools of psychology, methods used in psychology, identity, motivation, learning, problem solving, creative thinking and testing, perceptions, stress, frustration, emotional behavior, ego defenses, personality and abnormal behavior. This will be a hybrid class with some of the instruction over Black Board. *This course is required for all Associate in Applied Sciences degrees.*

Speech (10-801-198)

Length: 1 Semester (2nd Semester) (Course 007072)

Credits: Western Technical College Credit – 3.0; Osseo-Fairchild Credit – .5

Prerequisite(s): None

Host School/Instructor: Western Technical College

Description: Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organizations, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of the course.

Note: Additional paperwork needs to be completed to enroll in distance learning and/or college courses. See Mrs. Frieburg. The deadline to submit paperwork for fall is March 1 and for spring is October 1.