



WEBSTER  
SENIOR HIGH SCHOOL



COURSE  
DESCRIPTION  
BOOK  
2018-2019



~~8/5/13 12/4/13 3/26/14 7/21/14 7/21/14~~  
2/18/15 6/1/16 4/25/17 2/7/18

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## INTRODUCTION TO CLASSES AT WEBSTER HIGH SCHOOL

Course work at Webster Senior High is based on an 8 period day. The last period of is Academic Resource for all students. There are no classes scheduled for that period. Classes meet five days per week for 46 minutes. Credit is earned at .5 credits per semester for most courses and .25 credits per quarter for some courses.

This course description book has been prepared for your use in making a program for your four years at Webster High School. Each course that will be available to you is described in this manual, thus enabling you to make wise and appropriate choices. It should be stressed that the courses you select for next year will only be changed with good reason and the approval of the counselor and/or principal.

In order to graduate from Webster High school, students need to earn 26 Credits. These Credits must include the following:

English	4 Credits	Health Education	.5 Credits
Social Studies	3 Credits	Physical Education	1.5 Credits
Science	3 Credits	Business Comp Applications	.5 Credit
Mathematics	3 Credits		
Personal Finance	.5 Credits	Electives	10 Credits

Following is the way your schedule may look for your four years in high school.

(\*\* means the course is required.)

### 9TH GRADE

- \*\* English 9
- \*\* Civics
- \*\* Physical Science
- \*\* Math
- \*\* P. E. – Health 9 or 10
- 1-2 Electives

### 10TH GRADE

- \*\* English 10
- \*\* Biology
- \*\* Math
- \*\* American History
- 3 Electives

### 11TH GRADE

- \*\* English 11 -
- \*\* Social Studies elective –
- \*\* Science elective
- \*\* Math
- 3 electives

### 12TH GRADE

- \*\*English 12 - 1.0 Credit
- 6 Electives

### WEIGHTED CLASSES

#### Classes which are Weighted:

Pre-Calculus  
Chemistry II

Pre-Engineering ITV  
UW-Philosophy ITV  
UW-History 101 & 102 ITV  
English 101 & 102 ITV  
Spanish III

Calculus  
Advanced American Literature

College Prep English, AP Psychology, AP Spanish, AP Environmental Science, Calculus, AP Stats, Pre-Engineering and any other University level and AP classes as evaluated by the staff and recommended to the School Board for honors weighting.

In order to be admitted to a 2 or 4 year college or University, the following may be required:

- 4 years of high school English, including composition and literature.
- 3 years of social science, including history.
- 3 years of mathematics, including algebra and geometry and higher mathematics.
- \*3 years of natural science, including one or more units of laboratory science, such as biology, chemistry or physics.
- 2 years of Spanish is required by some colleges (Eau Claire, Madison, most Minnesota schools).
- Courses with a strong laboratory component are strongly recommended and even required by some universities.
- You will also need four more courses from the above areas, (English, social science, mathematics, natural science).

All courses including Career and Technical Education courses are available without discrimination based on sex, race, color, national origin or disability.

The course enrollments for CTE classes will be monitored at the end of every school year to determine appropriate proportion in accordance with our school population. This monitoring will be supervised by Renee Ones, HS Counselor and Josh Hetfeld, 9-12 Principal.

The District Guidance Department will annually review the procedure and process by which students enroll in all coursework. The review shall include both district counselors and the building principal, and will take place at the end of each semester.

The district administrative staff shall review the activities used by the guidance department to ensure that there are no discriminatory practices in regards to course or program selection. This review will occur annually.

SENIOR HIGH SCHOOL CURRICULUM  
WEBSTER HIGH SCHOOL  
WEBSTER, WISCONSIN

**ART CURRICULUM**

**INTRODUCTION TO DESIGN**

1 Term .25 Credit

Design class was created for students to develop skills in the areas of drawing techniques, color studies, product design, and dimensional relationships in art. Students learn computer skills and applications to set up and create business cards and brochures. Using a variety of mediums (painting, graphics, silk screen, air-brush, etc) is emphasized.

**ARTS AND CRAFTS**

1 Term .25 Credit

In craft class, students have the opportunity to develop skills in several different hobby areas that can be used later on in life. Some of the different crafts covered are stain-glass, leather craft, woodcarving, wood burning, cartooning, and making fishing lures.

**PAINTING**

1 Term .25 Credit

Experience includes using such paints as acrylic, oil, watercolor, and tempera. The emphasis for the year is on personal creativity, visual awareness, and the experience of art on society and oneself.

**CERAMICS**

1 Term .25 Credit

Ceramics class is designed so that students have the opportunity to develop skills in the areas of hand building clay, throwing on the potter's wheel, clay sculpting and glazing techniques.

**PHOTOGRAPHY**

1 Term .25 Credit

This class will concentrate on the basics of black and white photography as well as the aesthetics of pictures and composition. Students will learn the workings of a 35-mm. camera and the developing of negatives and prints working with the chemicals used in developing.

**DRAWING**

1 Sem .5 Credits

This course will explore the fundamentals of drawing (line, shading, positive and negative shapes), including intense human figures, drawings, landscapes, and still life drawings. Will work with black/white and colored drawing materials.

## BUSINESS EDUCATION CURRICULUM

### BUSINESS COMPUTER APPLICATIONS

1 Semester .5 Credit

Document: Students will create and edit memos, letters, and reports of varying complexity. Apply appropriate formatting elements and styles to a range of document types. Add graphics and other visual elements to enhance written communication. Plan research, write, revise, and publish documents to meet specific information needs.

Presentation: Students will plan, create, and revise presentations, including executing basic skills such as opening, editing, running, saving, and closing a file. They will also format slides using design templates, slide and title masters, styles, bullets and numbering, headers and footers, and speaker notes. Create visual appeal with images, SmartArt, charts, animation effects, and sound and video effects.

Spreadsheet: Students will create and edit spreadsheets of varying complexity. Format cells, columns, and rows as well as entire workbooks in a uniform, attractive style. Analyze numerical data and project outcomes to make informed decisions. Plan, research, create, revise, and publish worksheets and workbooks to meet specific communication needs.

### PERSONAL FINANCE

1 Semester .5 Credit

Students will discover new ways to maximize their earning potential, develop strategies for managing their resources, explore skills for the wise use of Credit, and gain insight into the different ways of investing money. **(Junior or Senior Status)**

### ACCOUNTING I:

1 Semester .5 Credit

Accounting covers the eight steps in the accounting cycle. Students use a text and workbook and complete projects and business simulations. Banking and payroll procedures are learned in addition to the accounting concepts. Neatness, accuracy, and arithmetic skills are important. This is a practical course for everyone but especially for students considering a business career after high school or a college major in business.

### SPORTS AND ENTERTAINMENT MARKETING

1 Semester .5 Credit

Students will explore the intriguing world of sports and entertainment from the perspective of marketing. The functions of marketing that are presented are intended to be a guide in taking their first career step into the exciting world of sports and entertainment.

## RESTAURANT AND BUSINESS MANAGEMENT

1 Semester .5 Credit

Restaurant: Students will be engaged in the fast-paced, exciting culinary world, and the very tough business decisions that go into running a successful, profitable restaurant. The online simulation offers an eye-opening window into the world of restaurant ownership.

Business: Students will be given the chance to be the boss of their own company. With the online simulation, students begin by managing a small facility and control limited factors. As they grow in business knowledge, they can lease as much space as they want and grow into manufacturing giants. Students get to decide what they'd do if they were the boss.

## FUNDAMENTALS OF ATHLETIC TRAINING

1 Semester .5 Credit

Students will be introduced to the world of athletic training. Basic information will be presented for those exploring the field of athletic training. The class will address the concepts, injuries, and illnesses that are dealt with at the High school level. We hope this course will encourage students to consider athletic training as a profession.

## SUCCESSFUL COACHING

1 Semester .5 Credit

Students will be introduced to many principles of coaching that are applicable across all sports. The principles are based on master coaches and also reflect the knowledge gained from the sports sciences over the last 50 years. It celebrates coaching as an emerging profession that offers the opportunity to help young people to become better athletes and , more important better human beings.

## PUBLICATIONS

1-4 Terms, .25- 1.0 Credit

The students in publications will learn how to use desktop publishing software, Adobe InDesign and Adobe Photoshop. Students will also learn and utilize journalism skills to write articles of interest. Other skills taught and applied in publications include advertising skills, layout skills, and performing day-to-day business activities. The students in this course will be responsible for the production of the school and community newspaper, *The Bridge*.

\*Offered each semester

\* Class is designed for individuals with strong writing skills and who desire higher-level computer skills.

## PROGRAMMING AND GAME DESIGN

1 or 2 Terms .25 or .5 Credit

Learn the concepts needed to Program

## MEDIA PRODUCTIONS

1 or 2 Terms .25 or .5 Credit

This is an advanced level computer class. Students will gain a working knowledge of Adobe Photoshop, Corel Video software. The students in this course will learn the basic skills to plan, create, and edit a video production. Students will also learn how to edit and work with digital images.

Students will work on individual and group projects. This class will serve as a starting point for those interested in working on capstone projects such as the senior video or family video's.

## BUSINESS DESIGN

1 Sem .50 Credit

For all publications, brand developments, Webpage, movies and video games, there are graphic designers creating the visual designs. This class will be using the industry standard software Adobe Illustrator and will investigate, design and create graphics associated with business. This class will examine the different skills needed to be a successful graphic designer in a business environment.

## WEB PAGE DESIGN

1 Sem .50 Credit

Students will look at the importance of web pages in business as well as learn how to structure, design and create a variety of web pages. The class will look at both the creative sign of designing web pages as well as technical side of a web page to produce a highly functioning website.

## BUSINESS CO-OP (School to Work) Credits

2 or 4 Terms 1 or 2

Students enrolled in the Business Co-op (School to Work) experience will earn Credits while gaining “real world” on site business experience. This experience is designed to give students an opportunity to explore potential careers, learn advanced skills in a business setting, apply what is being learned in classes, and further develop people skills.

This is an on-the-job training course. Practical experience in work is gained through employment in an approved occupation training station under the supervision of the coordinating teacher and training sponsor. Students will work an average of 8 hours per week, complete a weekly learning log, and complete a weekly assignment. Strict academic, attendance, and conduct rules apply.

# **DRIVERS' EDUCATION CURRICULUM**

## DRIVERS' EDUCATION AND TRAINING

The course in Driver Education is given primarily to instill in young drivers the correct attitudes to become a good driver. Students are required to take a minimum of fifteen two-hour periods of classroom study during the summer. They will have the opportunity to learn behind the wheel driving with a dual control car during the school year, mainly after school hours. Thirty hours of attendance will be required to earn a passing grade.

# **FAMILY AND CONSUMER EDUCATION CURRICULUM**

## TEXTILES AND SEWING 1

1 Term .25 Credit

Offered for the beginning sewer. This class includes a basic study of sewing supplies, classification of fibers, simple construction methods such as hems, seams, and fasteners. It also includes basic procedures such as pinning, cutting, creating projects for you to wear. From there the student will proceed to a more complex project. **Students may be required to provide their own supplies for this class.**



TEXTILES AND SEWING 2 & 3

1 Term .25 Credit

Students taking this class will be required to advance their sewing skills by choosing more advanced projects. They will choose new techniques and fabrics to work with, as well as designing fashion forward outfit. **Students must provide some of their own supplies for this class.**

(Prerequisite: Textiles and Sewing 1 or 2)

PARENTING AND CHILD DEVELOPMENT

1 Term .25 Credit

Children are a part of and affect everyone's life. As we understand them better, our experiences and relationships with them will be stronger. Through class discussion we also explore prenatal development and birth, the growth and development of children, the effects of a child on a family, personality building of children, discipline, the value of play, day care centers, special needs children, and other issues related to children.

FOODS AND NUTRITION 1

1 Sem .50 Credit

Students will gain a solid foundation of food knowledge. We will learn about which nutrients you need to maintain a healthy lifestyle, examine how to avoid food ills, and general cooking skills. We will also look at careers in the foodservice industry. We will prepare foods from Super Smoothies to pasta.

FOODS AND NUTRITION 2

1 Sem .50 Credit

This is a continuation of the skills learned in Foods and Nutrition I. We will advance skills on creating healthy foods and making daily meals. We will also gain experience on purchasing and cost comparison of foods. Foods we will focus on require more advanced techniques, such as making homemade breads and creating marinades for meats.

FOOD SCIENCE

Ever wonder how Flaming Hot Cheetos get their flavor? What really is a GMO, and are they really that bad? In this course we will look at food from a scientific perspective, and the different elements affecting food product. We will also look at food as a chemistry and learn about some of the chemical reactions that influence your food. We will get to create and eat all kinds of food experiments. Foods and Nutrition 1 is a prerequisite for this course.

FOREIGN FOODS

1 Sem .50 Credit

Foreign Foods is an opportunity to learn and create foods from around the world. Each Semester we will examine different areas of the world, learn about the culture, then find recipes that are authentic to that culture and area. A willingness to try new foods is required for this course.

INDEPENDENT F.A.C.E.

1-4 Terms .25-1.0 Credits

For the advanced student who wants to work independently on topics of his/her choice. Student and instructor develop course requirements so the student gets the maximum knowledge and instruction in an area of their choice.

## ADULT SKILLS AND RELATIONSHIPS

1 Sem .50 Credit

This course is designed for you to learn how life skills can influence your future relationships. We will be learning about how dating, preparation for marriage, budgeting, selection of housing, communicating, and careers, influence your relationships. This course is designed to create a foundation for your adult life. We will be developing a solid foundation for a future family. Adult Skills and Relationships is open to junior and senior students.

## LANGUAGE ARTS CURRICULUM

### RTI English

1/4 year, 0.25 credits

This course is not open for students to enroll in, students are placed in this class by their teacher if they are failing and need remediation.. This course does not count as a English credit. This is an elective credit that is graded as Pass or Fail. Students in this class are working to improve their reading fluency and comprehension. This class is assigned in addition to a regular English class listed below.

### ENGLISH 9

All year, 1.0 Credit

This is a reading and writing intensive course that focuses on literature in its many forms. Students will examine novels, short stories, essays, articles, plays, poetry, and speeches.

There will be writing opportunities through journals, formal papers, essays, and creative writing. Students will get the opportunity to improve their writing not only through these aforementioned practices, but also through a study of the basic components of grammar and the structure of language.

Students will work independently and in small groups, and will be expected to read daily in class. Reading and comprehension skills will be refined through a study of the different types of organization used in writing. The course will also include memorization and speech components during the course of the year.

### ADVANCED ENGLISH 9

All year, 1.0 Credit

This is a reading and writing intensive course that focuses on literature in its many forms. Students will examine novels, short stories, essays, articles, plays, poetry, and speeches.

There will be writing opportunities through journals, formal papers, essays, and creative writing. Students will get the opportunity to improve their writing not only through these aforementioned practices, but also through a study of the basic components of grammar and the structure of language.

Students will work independently and in small groups, and will be expected to read daily in class. Reading and comprehension skills will be refined through a study of the different types of organization used in writing. The course will also include memorization and speech components during the course of the year.

Differing from English 9, this course will prove an accelerated look at fundamental writing and reading skills that otherwise are focused on an in-depth manner in the mainstream version of the course. Students will complete the reading of an additional novel in the course, and papers will be given a more analytical emphasis to prepare students for the weighted English courses available their junior and senior years.

ENGLISH 10

All year, 1.0 Credit

This is a reading and writing intensive course that focuses on literature from across the world through various time periods and genres. Students will focus on works dating back to Shakespeare and running up to modern times. There will be several writing opportunities through journals, formal papers, essays, and creative writing. Students will get the opportunity to improve their writing not only through these aforementioned practices, but also through a study of the structure of the language by way of frequent grammar exercises and activities.

Students will work independently and in small groups, and will also be expected to read daily in class. Reading and comprehension skills will be refined through a study of the different types of patterns of organization used in writing. The course will also include a speech component during each term.

ADVANCED ENGLISH 10

All year, 1.0 Credit

This is a reading and writing intensive course that focuses on literature from across the world through various time periods and genres. Students will focus on works dating back to Shakespeare and running up to modern times. There will be several writing opportunities through journals, formal papers, essays, and creative writing. Students will get the opportunity to improve their writing not only through these aforementioned practices, but also through a study of the structure of the language by way of frequent grammar exercises and activities.

Students will work independently and in small groups, and will also be expected to read daily in class. Reading and comprehension skills will be refined through a study of the different types of patterns of organization used in writing. The course will also include a speech component during each term.

Differing from English 10, this course will provide an accelerated look at fundamental writing and reading skills that otherwise focused on an in-depth manner in the mainstream version of the course. Students will complete the reading of an additional novel in the course, and papers will be given a more analytical emphasis to prepare students for the weighted English courses available their junior and senior years.

ENGLISH 11

Fall Semester, 0.5 Credit

This is a reading and writing intensive course that takes a journey through American Literature from the Romantic Era on. The primary focus of this course will be to read, comprehend, and critically analyze and think about literature in its various forms. Additionally, students will compose well-written and well-researched papers. This course will consist of reading a number of short stories by several authors from Edgar Allen Poe to Henry David Thoreau. Further, students will read a novel by Mark Twain and inspect several different types of poetry by Henry Wadsworth Longfellow and Emily Dickinson just to name a few.

Additional coursework will consist of an MLA research paper, creative writing papers, journal writes, grammar and convention study, public speaking, and daily reading time. Students will utilize the six traits of writing to increase the quality of their writing. The class will require individual work along with group presentations and cooperative activities.

ADVANCED AMERICAN LITERATURE

All year, 1.0 Credit

Grade weighting applies - A = 5.0

This is a reading and writing intensive course that takes a journey through American Literature from the Romantic Era on. The primary focus of this course will be to read, comprehend, and critically analyze and think about literature in its various forms to prepare students for AP English or College English their senior year. Additionally,

students will compose well-written and well-researched papers. This course will consist of reading several short stories by authors including William Faulkner, Edgar Allan Poe, Nathaniel Hawthorne, Ernest Hemingway, Henry David Thoreau and Sherwood Anderson. Students will read novels by Mark Twain and Ray Bradbury, and also inspect several different types of poetry by Walt Whitman and Emily Dickinson to name a few.

Additionally, this course requires the writing of an MLA research paper,, creative writing papers, journal writes, grammar and convention study, public speaking, and daily reading time. Students will utilize the six traits of writing to increase the quality of their writing. The class will require individual work along with group presentations and cooperative activities.

Differing from English 11, this course will call on students to use their interpretations of literature for numerous writing projects and papers. Less time will be spent on classroom comprehension of literature. Rather, students will be expected to deeply analyze and discuss the literature provided to them. Students will further demonstrate their knowledge of literature through projects based on the multiple-intelligences, presentations on authors, eras, and literary terms, and papers that call on students to demonstrate thematic and structural understanding of the pieces read.

#### COMPOSITION (Seniors and Juniors)

Spring Semester, 0.5 Credit

Composition is a semester-long, writing-intensive course in which students will explore a number of writing styles. Although this course is recommended for seniors, juniors may also take it. Before we focus on the writing units, students will review the six stages of the writing process and the six traits of the effective writing, all of which they will utilize throughout the course. The first term will focus on some of the five main writing styles: descriptive, persuasive, expository, compare and contrast and narrative.

During the second terms, we will shift our focus to other styles of writing, such as journalistic style, FAQ (frequently-asked questions) writing, and blog writing. In addition to working independently during some of these units, students will participate in peer-review workshops (during which they will provide effective, constructive feedback on their classmates' writing) as well as collaborating with some of their students to create a newspaper (along with the possibility of submitting some articles to the school newspaper for extra credit).

#### ESSENTIAL ENGLISH 12

Fall Semester, 0.5 Credit

This is a reading and writing intensive course. The primary focus of this course will be to read, comprehend, and critically analyze and think about literature in its various forms. Additionally, students will compose well-written and well-researched papers. This course will culminate in a career unit that includes resume writing, cover letter writing, a career portfolio, and personal interview.

Additionally, this course requires the writing of a MLA research papers, creative writing papers, journal writes, public speaking, and daily reading time. Students will utilize the six traits of writing to increase the quality of their writing. The class will require individual work, along with group presentations and cooperative activities.

#### NOVELS (Seniors and Juniors)

Spring Semester, 0.5 Credit

In Novels, students will be examining literary selections of their choosing through the lens of Joseph Campbell's The Hero with a Thousand Faces. Overall, this will be a very intensive reading course, as students will be pushed to complete eight novels over the course of the semester. Students are expected to read novels that fit with their current lexile level, and push themselves to select fiction and nonfiction books that may be outside their typical genre. Students will complete multiple book talks with the instructor on each novel they are reading, and select from a bevy of projects for each novel they finish. Throughout the semester, students will be studying and practicing their grammar, mechanics, and writing skills in preparation for the ACT exam and life after school.

SPEECH AND LITERATURE (Seniors and Juniors)

Spring Semester, 0.5 Credit

Speech and Literature will focus one term on fundamental speeches and one term on 20th century fiction. More often than not, oral communication will be just as important, if not more important, than written communication for students once they enter their future careers. With this in mind, students will have the chance to present formal and informal speeches to their peers, including a persuasive and descriptive speech, as well as a partner and group speech. Students will learn the basic fundamentals and conventions of speech and communication. Interspersed throughout this term, students will be studying and practicing their grammar, mechanics, and writing skills in preparation for the ACT exam and life after school.

In the fiction term, students will begin with American Modernism, looking at American literary and poetic giants such as Hemingway, Sandburg, Frost, Faulkner, Steinbeck, and Fitzgerald. The term will include a novel, *Fahrenheit 451*, by Ray Bradbury, and include a few short stories from more recent times from the likes of Tim O'Brien and Alice Walker, as well as the poetry of the American Renaissance.

ADVANCED LITERATURE AND COMPOSITION

All year, 1.0 Credit

Grade weighting applies: A=5.0

This is a reading and writing intensive course that takes a journey from the very beginning of language, through British Literature and up to our most contemporary writers of today. The primary focus of this course will be to read, comprehend, and critically analyze literature in its various forms to prepare students for the AP Exam and college. Additionally, students will compose well-written and well-researched papers.

Additionally, this course requires the writing of an MLA research paper, creative writing papers, journal writes, grammar and convention study, public speaking, and daily reading time. Students will utilize the six traits of writing to increase the quality of their writing. The class will require individual work along with group presentations and cooperative activities.

Differing from Essential English 12, this course will call on students to use their interpretations of literature for numerous writing projects and papers. Less time will be spent on classroom comprehension of literature. Rather, students will be expected to annotate, deeply analyze, and discuss the literature provided to them and then utilize the text to prove their understanding. Students will further demonstrate their knowledge of literature through projects based on the multiple-intelligences, presentations on authors, eras, and literary terms, and papers that call on students to demonstrate thematic and structural understanding of the pieces read.

Prior to enrolling in this course, students are given a pretest and must receive a score of half Credit on the exam. Once enrolled, students will be provided with summer reading and homework to be completed for the first day of school in the fall. This work is meant to encourage and engage students, while preparing them for the self-motivated time schedule of upper level coursework. The opportunity to complete work over the summer will allow students more growth throughout the year and prior to the final AP exam.

ENGLISH 101 (ITV)

Sem 1, 3 UW Credits, .5 HS Credit

Grade weighting applies: A=5.0

Prerequisite: An appropriate score on UW placement test. A writing course that focuses on the basic techniques of composition, on the composing process with attention to drafts and revisions and on coherence and organization of student essays.

ENGLISH 102 (ITV)

Grade weighting applies: A=5.0

Sem 2, 3 UW Credits, .5 HS Credit

Prerequisite: English 101 or exemption through sufficiently high placement test score. A rhetoric course that focuses on writing which presents information and ideas effectively, with attention to the essay and techniques of documentation.

**MATHEMATICS CURRICULUM**RTI Math

1/4 year, 0.25 credits

This course is not open for students to enroll in, students are placed in this class by their teacher if they are failing and need remediation.. This course does not count as a math credit. This is an elective credit that is graded as Pass or Fail. Students in this class are reviewing basic arithmetic through worksheets and the use of the ALEKS program. This class is assigned in addition to a regular math class listed below.

Pre-Algebra

All year, 1.0 credit

This course is for students who as of yet cannot handle the rigor of Algebra I and follows the Common Core Curriculum. Students are placed in the course through teacher recommendation. Upon completion of this course students will move into Algebra I. This course is taught primarily through the ALEKS program, meaning students will need a chromebook or computer to complete this course. Topics covered in course, but not limited to, equations, inequalities, functions and linear equations.

Algebra I

All year, 1.0 credit

This course is the continuation of Algebra I series taught in 8<sup>th</sup> grade and follows the Common Core Curriculum. This course is open to all students. Students who do well in this course will be placed in Geometry. Students who struggle in this course may choose to take Practical Geometry. Topics covered in this course are, but not limited to, linear functions, systems of equations, inequalities, exponents, polynomials, factoring polynomials, quadratics, exponential functions, data analysis and probability.

Geometry

All year, 1.0 credit

This course is a continuation of Algebra I and follows the common core curriculum. A student must have passed Algebra I to be able to take this course. Students who get an A, B or C in Algebra I are recommended to enroll in this class. This is the course you want to take if you are planning on going on to a four year university or just want to have a more rigorous curriculum. Topics studied in this course are, but not limited to Euclidean geometry, Coordinate geometry, inductive and deductive reasoning, mathematical proof, geometry of triangles and quadrilaterals, similarity, right triangle trigonometry, transformational geometry, geometric formula, three-dimensional geometry, circular geometry, and basic probability.

Practical Geometry

All year, 1.0 credit

This course is a continuation of Algebra I and follows the common core curriculum. A student must have passed Algebra I to be able to take this course. Students who get a C or D in Algebra I are recommended to enroll in this class. This course will benefit students experiencing difficulty learning math concepts. This is not a course that colleges accept as admission prerequisites, but is designed to allow students to study geometry at a slower pace than

potential college bound students. Topics studied in this course are, but not limited to Euclidean geometry, Coordinate geometry, inductive and deductive reasoning, geometry of triangles and quadrilaterals, similarity, right triangle trigonometry, transformational geometry, geometric formula, three-dimensional geometry, circular geometry, and basic probability.

#### ALGEBRA II & Trigonometry (with Lab)

All year, 2.0 credits

All students planning on attending a 4 year university directly after high school need to take this course. Geometry is a prerequisite for this course. It is also required that all students sign up for both hours of Algebra II. Students will receive one math credit and one elective credit upon successful completion of this course. This class does follow the Common Core Curriculum and is designed to help students excel on their ACT and college placement tests. The topics covered in this course are, but not limited to, quadratic functions, polynomial functions, exponential functions, logarithmic functions, rational functions, radical functions, properties and attributes of functions, probability, data analysis, statistics, sequences, series, trigonometric functions, trigonometric graphs, trigonometric identities and conic sections.

#### College Prep Math

All year, 1.0 credit

Students must complete Algebra II to take this course. Students must have a TI-84 Plus graphing calculator. This course is for the student who is not taking Pre-Calculus and wants another mathematics course before going to college. It will be a refresher course of all the material that has been covered up till now in high school math. It is recommended for students who do not plan on going into the hard sciences, engineering, etc.

#### Junior Math

All year, 1.0 credit

This course is a continuation of Practical Geometry. Students must have passed either Geometry or Practical Geometry before enrolling in this course. This course is designed to prepare juniors for the ACT test. This class will be a less rigorous version of Algebra II. This course is taught primarily through the ALEKS program, meaning students will need a chromebook or computer to complete this course. Topics covered in this course are, but not limited to, quadratic functions, polynomial functions, exponential functions, logarithmic functions, rational functions, radical functions, right angle trigonometry, probability and statistics.

#### Technical Mathematics

All year, 1.0 credit

This course is designed for the student who during their senior year, wants a refresher math course that prepares them for a technical field. Students need to have completed three math credits and be a senior to enroll in this course. This course will help a student prepare for the mathematics used at most technical schools. Students who earn a B or higher in this course will receive technical school credit at WITC. It will cover basic math topics such as arithmetic fundamentals, fractions, decimals, measurement, basic algebra, formulas and trigonometry.

#### Pre-Calculus

All year, 1.0 credits

Grade weighting applies - A=5.0

Follows Algebra II and designed for students who want to be fully prepared for the rigors of college math. This course follows the common core curriculum and students will be expected to participate in the flipped classroom format. After successfully completing this course, a student should be ready for more advanced mathematical topics including calculus. The first term will cover advanced algebraic ideas and basic mathematical functions while the second term details trigonometry in more depth than was completed in Algebra II and Geometry. Complex numbers, vectors, conic sections, limits, integrations and differentiation will all be studied in the second semester.

AP Statistics (ITV)

All year, 1.0 credits  
Grade weighting applies - A=5.0

Students need to earn a C or higher in Algebra II to enroll in this class. Students must have a TI graphing calculator. This course is taught via ITV through Siren School District. This full-year course will be an intensive study of probability and statistics. The course will be an asset to students entering business, marketing, mathematics and both the hard and soft sciences. Students will be exposed to the content needed for the College Board's AP exam in statistics given in the spring of the year. Successful completion of the exam (a score of 3 or more) can qualify the student for college credits. The student is encouraged to review the College Board's web site for more detailed information about the AP Exams and to carefully review the AP Exam policies of the colleges of interest. Topics covered will include all areas covered in the exam.

UW Calculus I and II (240 and 241)

All year- 2 credit  
Grade weighting applies - A=5.0

Students must complete Pre-Calculus with a C or higher before enrolling in UW Calculus. Students must have a TI-84 Plus graphing calculator. This course is taught via ITV through Hayward School District. Each class is two periods a semester. Students completing this course earn credit through UW Superior. 4.00 credits per course. The course covers the following topics: Functions; Limits; Derivatives; Application of Derivatives, Integration; Application of Integrals; Solving Differential Equations and Integration involving Partial Fractions and Substitutions. JAVA is taught to further develop programming skills. JAVA is the language used on the AP Computer Science test.

COLLEGE ALGEBRA (ITV)

**MUSIC CURRICULUM**

SENIOR HIGH BAND

1-4 Terms .25-1.0 Credit

Senior band involves students in grades 9-12. Students need several years of musical training to qualify for senior band or must have the consent of the director. The yearly events and activities where students perform include concerts, contests, solo and ensemble, athletic events, and community events such as Veteran's Day and Memorial Day. Daily work involves warm-up exercises and preparations of music literature. Individual lessons are available to all students and can be arranged with the director. Required lessons and performances are given at the beginning of each term.

SENIOR HIGH CHOIR

1-4 Terms .25-1.0 Credit

Senior choir is available to all high school students with the consent of the director. Members will be expected to perform during the Fall Concert, Christmas Concert, Spring Concert, Spring Music Festival, Pop Concert, Graduation, and other functions approved by the school administration. It is the objective of the senior choir to broaden the students' understanding and appreciation of choral music and their own individual voices through active participation in a variety of musical styles. Daily work involves warm-up exercises, preparations of music literature, and lessons in music theory. Individual lessons are available to all students and can be arranged with the director. Required lessons and performances are given at the beginning of each term.



## PHYSICAL EDUCATION CURRICULUM

High school physical education demands high expectations for success and participation. Therefore, students are required to change into workout clothes for class and are required to have some type of athletic shoes for safety and for keeping the facilities in good condition. Students must remove jewelry and refrain from chewing gum in physical education classes. Instructors may require unit exams and skills tests, .5 Credits must be taken during the junior or senior year.

### P.E. 9/10

1 Term .5 Credit

All students should have P.E. 9/10 as a freshman and/or sophomore. This will help prepare them for the intense levels of fitness, competition, and instruction that are found in personal fitness and P.E. 11 & 12 elective courses. Emphasis will be placed on strategy and planning in many units. For example, students may be expected to develop an offensive strategy in basketball, choreograph their own dance, and design a sport specific weight-training program. Emphasis will be placed on development and mastery of knowledge, skills, and participation (effort) in games, activities, and fitness. Units may vary from quarter to quarter.

Fitness Training	Cooperative Challenges
Weight Training	Team Handball
Volleyball	Badminton
Basketball	Cross Country Skiing (1 day)
Stickball/Softball	Biking
Soccer	Speedball
Touch Football	Snowshoeing (1 day)
Floor Hockey	Dance
Chasing and Fleeing Games	Archery
Recreational games	

### PERSONAL FITNESS

1 Term .5 Credit

Offered to grades 10-12. Three days a week will be spent weightlifting most of the class period. Emphasis will be put on developing an individual weight-lifting program to show strength gains. Two days a week will involve some form of aerobic exercise followed by a variety of games such as: badminton, basketball, speedball, soccer, floor hockey, stick ball, and volleyball. A paper on the student's personal fitness plan will be required. First and fourth terms include biking, softball, canoeing upstream and a half-day field trip to a high ropes course/climbing wall. Second and third terms include broomball, snowshoeing, cross country skiing, and possibly a half-day field trip to play racquetball.

### P. E. 11/12

1 Term .5 Credit

An elective class geared toward providing students with skills in a variety of lifetime sports. Units include horseshoes, archery, softball/stickball, soccer, volleyball/blubber ball, badminton, floor hockey, bowling (4 to 5 days), canoeing (2 to 3 days), biking (3 to 4 days), and weight-lifting 2 days per week. The following schedule identifies units that may be offered each term.

Chasing fleeing games  
Weight training  
Dance  
Cross country skiing  
Recreational games  
Bowling  
Floor Hockey  
Soccer/speedball

Badminton  
Sledding  
Snowshoeing  
Canoeing  
Softball/stickball  
Volleyball/blubber ball  
Biking  
Horseshoes

## **HEALTH CURRICULUM**

HEALTH (9-12)

1 Sem .5 Credit (required)

Health education aims to improve health habits in students and give them guidelines for healthful living all of their lives. The course consists of units on stress, suicide, depression, bones and muscles, fitness, wellness lifestyles, nutrition, death and dying, sexuality, harassment, sexually transmitted infections, male and female physiology, dating, love, abstinence, contraceptives, infectious and noninfectious diseases. This class may be taken any year of high school, but preferably in grades 9 or 10.

## SCIENCE CURRICULUM

### PHYSICAL SCIENCE

All year, 1.0 Credit

Physical science is a required science class that provides a foundation in the sciences of physics and chemistry. Physics fundamentals include motion, forces, energy, work, simple machines and magnetism. Chemistry fundamentals include classification of matter, states of matter, atomic structure, elements, and chemical reactions. Students must earn a passing grade in two semesters of physical science before they can take any other science classes, or graduate for that matter. The class is a blend of lectures, demonstrations and labs.

### GENERAL BIOLOGY

All year, 1.0 Credit

An introductory biology class and a prerequisite to all other biology courses. Students will cover the following units: microscope use, characteristics of organisms, scientific method, cells, cell parts and functions, biochemistry, cell reproduction, DNA, RNA, protein synthesis, cellular respiration and taxonomy. This class will include many experimental activities. This class must be completed prior to taking other biology classes. Exception – Sports Biology.

### ADVANCED GENERAL BIOLOGY

All year, 1.0 Credit

Advanced General Biology is an introductory biology class and a prerequisite to all other biology courses. This is a faster paced, more rigorous learning experience. Students will cover the following units: microscope use, characteristics of organisms, scientific method, cells, cell parts and functions, biochemistry, cell reproduction, DNA, RNA, protein synthesis, cellular respiration, genetics, microbiology, botany and taxonomy. This class will include many experimental activities and go more in depth on the units that are covered. This class must be completed prior to taking other biology classes. Exception – Sports Biology.

Pre-requisite: Successful completion of Advanced Physical Science or recommendation of Physical Science teacher.

### SPORTSMAN'S BIOLOGY

1 Sem .5 Credit

This course introduces students to the basic ecology of wetlands, forests, and prairies of northwest Wisconsin. It will focus on the game species of those habitats. In addition, outdoor activities such as fishing, hunting, and taxidermy will be introduced to the student. A fee is required for this class.

### ZOOLOGY

1 Sem .5 Credit

Introduction to the anatomy and behavior of major phyla in invertebrates and vertebrates. 95% of animals are invertebrates, or lack backbones. This is not the study of mammals. Emphasis will be placed on the dissection and identification of the major anatomical parts of each animal.

### HUMAN ANATOMY AND PHYSIOLOGY

1 Sem .5 Credit

Students will study the various systems of the human body and the functions. The course includes considerable information and lecture along with some lab work.

### AP ENVIRONMENTAL SCIENCE

All year 1.0 Credit

Grade weighting applies: A = 5.0

This is a two-semester course that is designed to provide students with the scientific principles, concepts, and methodologies necessary to interpret the complex interrelationships of the natural world. It enables students to identify and analyze environmental problems both natural and manmade, and to evaluate relative risks associated with these problems. Emphasis is placed on how humans can create a more sustainable way of living for future generations. This is a college-level environmental course that includes laboratory work and field experience. Students are expected to take the Advanced Placement exam as part of the class. Self-motivated students interested in challenging themselves welcome!

### CHEMISTRY I

All year 1.0 Credit

A study of the structure and composition of materials and the changes in composition of these materials. Emphasis on problem solving is included with some of the topics. Classification of matter, characteristics of matter, chemical and physical changes, writing chemical formulas, naming compounds, balancing equations, atomic mass, mole concept, math relationships in a balanced chemical equation, atomic structure, electronic configuration, periodic table, solutions, and others are covered in this course. It will include an emphasis on lab work.

Prerequisite: Successful completion of Algebra I is required to master course work (letter grade of C or better).

### CHEMISTRY II

All Year 1.0 Credit

Grade weighting applies: A = 5.0

An extension of chemistry. Solution stoichiometry, gases, acids and bases, oxidation-reduction reactions and introduction to Organic Chemistry will be included in the course. Students will learn to develop and use more advanced lab techniques.

Prerequisite: successful completion of general chemistry.

## SOCIAL STUDIES CURRICULUM

### CIVICS

All year, 1.0 Credit

Civics, the study of government, is a required course which focuses on the aspects that are most familiar to the student: home, school and community and their relationship to the operation of local, state and national governments. Students will develop a feeling of responsibility for preserving and exercising the rights given by a democratic government. The current events program will correlate present day happenings to the flexible stability of the government established by our constitution.

### WORLD HISTORY I

1 Semester, .5 Credit

For grades 10-12, a study of world history with emphasis on Europe. Concepts covered include European geography, terminology, religion, world civilizations, the rise of nations, discovery and conquest, and forms of government. World History I begins in prehistory and goes up to the Middle Ages.

### WORLD HISTORY II

1 Semester, .5 Credit

For grades 10-12, a study of world history with emphasis on Europe and their global interactions. Concepts covered include relationships between European powers and the United States, European geography, terminology, religion, world civilizations, the rise of nations, discovery and conquest, and forms of government. World History II begins with the Middle Ages and goes through Modern time.

### GLOBAL STUDIES:

All year, 1.0 Credit

Knowledge of geography has become a vital elective in today's world of communication, travel, and technology. The first term deals with what geography is and its importance to the physical, cultural, and economic themes of the Americas, Europe and the Russian Republics. The second term will focus on Africa and Asia and their effects on the world today. This synopsis may be subject to change with the addition of a new book. This course may be taken either or both terms.

### AMERICAN HISTORY - 1800's and 1900's

All year, 1.0 Credit

This course is divided into two segments. The first, from 1800 to 1900, begins with the Age of Jefferson and continues through the Civil War and Reconstruction, the frontier, new wave of immigration, Industrialization, the gilded age of politics, imperialism and the U.S. as a world power. The second segment begins in 1900 Cold War, Eisenhower years, Kennedy, Johnson, Vietnam, Watergate, the Carter, Reagan, Bush, Clinton, and Bush Presidencies.

### ECONOMICS

1 Sem, .5 Credit

The course covers the following: American business firms/role of profits; scarcity/productivity and producer; free enterprise/socialism and communism; consumer choice/economic interdependence; prices directing the markets/supply and demand; competition; and wages, income, and distribution of wealth. Students will spend the term working on stock and mutual fund investments teaching them the ups and downs of the stock market.

PSYCHOLOGY 1

1 Sem, .5 Credit

The following topics are covered: learning; principles and applications; memory and thought; altered states of consciousness; infancy and childhood; adolescence; frustration, stress, and conflict; disturbance and breakdown (mental illness); treatment and therapy. Students will be required to read a book about a specific interest in psychology and write a report on some aspect of psychology.

SOCIOLOGY

1 Sem, .5 Credit

Sociology deals with basic concepts and culture; groups and mass behavior; marriage and family; deviance and crime; religion; ethnic and racial groups; American social problems. Students will be required to do an investigative report on a cemetery in the area to learn about the people who settled and lived in this area.

DEBATE

1 Sem, .5 Credit

This course focuses on improving the following skills: communication, public speaking, critical thinking and reasoning in creating informed arguments. Students will learn to look at all aspects of a topic. This class covers speech research, preparation, outlining, paper writing, delivery and debate procedures. Topics range from historical to current issues. (Grades 10-12)

AP PSYCHOLOGY

All Year, 1.0 Credit

Grade weighting applies - A = 5.0

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

US HISTORY 101 (ITV)

Grade weighting applies - A = 5.0  
Credit

Sem 1, 3 UW Credits, .5 HS

US HISTORY 102 (ITV)

Grade weighting applies - A = 5.0  
Credit

Sem 1, 3 UW Credits, .5 HS

**SPANISH CURRICULUM**

SPANISH 1

All year, 1.0 Credit

An introduction to the Spanish language. Students will be exposed to the Spanish language through listening: Spanish spoken by instructor, listening comprehension videos, and Spanish music. The students will learn vocabulary with basic practical uses. Basic grammar use will also be taught as needed. Hispanic culture and history will be emphasized throughout the course.

## SPANISH 2

All year, 1.0 Credit

Spanish 2 is a continuation of Spanish 1. Students will continue to be exposed to the language as frequently as possible through listening comprehension videos, music, and the instructor speaking in Spanish. The students will continue to expand their vocabulary and learn how to apply grammar concepts to practical language usage. The students will be expected to use the language during class on a daily basis. History and culture continue to be important themes of study throughout Spanish 2.

## SPANISH 3

All year, 1.0 Credit

Grade weighting applies – A = 5.0

Spanish 3 will be taught completely in Spanish. The students will work at their own pace whenever possible in order to allow them to make greater progress toward learning the Spanish language. The students will read and analyze literary works in Spanish. Hispanic history and culture will be analyzed in order to understand the literature we will be reading.

## AP SPANISH

Grade weighting applies - A = 5.0

All year, 1.0 Credit

AP Spanish is taught completely in Spanish. Students will learn to listen, read, write and speak effectively in the target language. Emphasis will be placed on the ability to respond to what has been heard or read in grammatically correct written or spoken language. Students will be regularly exposed to authentic materials created for native Spanish speakers such as newspapers, news broadcasts, blogs, movies, music and literature.

## **SPECIAL EDUCATION CURRICULUM**

### T4 ENGLISH CLASSES, GRADES 9-12

All Year, 1 Credit

This course of study supports students with an IEP to develop competence in reading and writing. In this class, students follow the general education English curriculum with modified assignments at a more individualized pace. These smaller classes provide more step-by-step instruction, in-class reading, development of concrete reading skills and some independent reading.

### T4 MATH CLASSES, GRADES 9-12

All Year, 1 Credit

This course of study places a focus on the key concepts and applications required in understanding patterns, relations and functions, representing and analyzing mathematical situations and structures using algebraic symbols, using mathematical models to represent and understand quantitative relationships and analyzing change in various contexts. Topics covered include: application and mastery of basic computation, investigating patterns, linear, quadratic and exponential functional relationships, understanding various representations of a line, addition, subtraction and multiplication of polynomials, solutions to quadratic equations, solve equations and inequalities, solving everyday verbal representations of problems. The student's IEP may define more specific areas to be addressed in this class.

### T4 TRANSITION CLASSES, GRADES 11-12

All Year, 1 Credit

This course of study places a focus on the key concepts and applications addressed in the students' Transition Plan as outlined in the IEP. Students will develop skills and strategies to prepare for individualized post-secondary goals. Students will participate in individualized career interest exploration including participation in online interest inventories, attending off campus career related trips, guest speakers, job shadowing, resume development, college

visits and applications. Topics covered included banking and financial transactions, guidance in driver's license, registration for voting and selective service, and legal requirements of adulthood. Students are guided through the application to the Department of Vocational rehabilitation or other agencies involved in the student's post-secondary planning, should they and their families make this choice.

#### T4 STUDY SKILLS CLASSES, GRADES 9-10

All Year, 1 Credit

This full year course has been specifically designed for students with an IEP in order to provide a solid foundation of study strategies and their applications. These study strategies will be incorporated and utilized throughout their high school careers and any future endeavors. Units include: Specific Learning Styles, time Management, Organizational Strategies, Performance Management, Note Taking and Test Taking Strategies.

#### T4 STUDY HALL, GRADES 9-12

All Year, No Credit

The T4 Study Hall is available to students who have a current Individualized Educational Plan (IEP), and who need academic support and/or positive behavioral supports to compensate for learning differences, and to experience success at Webster High School. Students are scheduled for T4 Study Hall as outlined in their IEP. Special Education staff members provide review and re-teaching of key concepts in other classes, support for organizational, study and planning skills and strategies, standardized test preparation and monitoring of work completion and comprehension. Test and assessment "retakes" are available during T4 Study Hall.

### **TECHNOLOGY EDUCATION CURRICULUM**

All Technology Education courses are open to both male and female students

#### SMALL ENGINES

1 or 2 Semester(s) .5 - 1.0 Credit

Students will diagnose, troubleshoot, tune-up and overhaul small Briggs and Stratton engines. They will study the fundamentals of two and four stroke engines. Practical hands-on experience is gained in engine disassembly, measuring parts for wear, valve surfacing, and reassembly techniques. Students will gain knowledge and skill using common mechanics tools.

#### AUTO MAINTENANCE

1 or 2 Semester(s) .5 - 1.0 Credit

Students in this course will be learning automotive safety, auto maintenance, theory of operation, and servicing of the automobile. Systems further explored will be ignition, fuel, lubrication, steering, breaks, suspension, drivetrain, and accessories.

#### MATERIALS AND PROCESSES TECHNOLOGY

1 or 2 Semester(s) .5 - 1.0 Credit

Students in this course will be learning how to work with different materials (woods, metals and plastics). In doing this there will be many hands on projects as well as an introduction to many processes from welding to shaping with saws, routers and lathes as well as forming plastic parts.

#### ENGINEERING (Robotics)

1 Term .25 Credit

The objective of this course is to introduce the student to basic programming as well as problem solving strategies and construction of robots as it relates to engineering. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, sensors, timing, program loops, decision-making, timing sequences, propulsion systems and pneumatics systems.



ENGINEERING (Production Development)

1 Term .25 Credit

This is a project-based course that covers modern tools and methods for product design and development. Students will design using Mastercam CAD and SolidWorks 3D modeling software. Products will be prototyped using traditional tools, 3D printers and tested for design-for-manufacturability. Students will generate Computer-Aided Machining (CAM) codes and learn to use Computer-Numerically-Controlled (CNC) machines in the product development process.

TIGER CONSTRUCTION

1 Year/Block 2.0 Credits

Juniors and seniors will build a 1,400 square foot house, three bedroom, two bath, with an open concept, kitchen, dining family room. This is an excellent opportunity for students interested in learning about the building construction trades. Students will be exposed to print reading, framing, electrical, HVAC, plumbing, insulating, cabinetry, interior and exterior finishing. Need a job? Local contractors are looking for help. Take this class and do well your summer job could turn into a career.

INDEPENDENT AVIATION GROUND SCHOOL

1 Semester .5 Credit

Please see Mr. Ward if you are interested in taking this class independently. This class would be for students interested in obtaining their recreational/private pilot license. One of the steps in earning your wings requires passing the FAA Pilot Knowledge Test. Students will be required to take a Young Eagles flight before the start of class. I will need student contact information as it will take some coordination to make this happen. The best time to do it will probably be during the summer. Each Young Eagle will receive a certificate, log book, and voucher for Ground School. My ITV course will be self-paced with daily direct instruction, videos and guest speakers. Students will require computers during class time to access course materials. The course outline is as follows:

Federal Aviation Regulations, Airport Lighting and Markings, Collision Avoidance, Publications, Navigation, Weather Theory, Weather Data, Aircraft Performance, Aerodynamics and Airspace.

Connections will need to be made between students and local CFI's for those who are serious about taking the FAA Knowledge Exam. They will need a signature in their log book indicating that they are ready for the test.

PRE-ENGINEERING

Grade weighting applies – A = 5.0

Semester II .5 Credit

This course is great for students who are interested in careers related to engineering, design, manufacturing, or computer-aided-machining. Students will explore science, technology, engineering and math (STEM) while using a computer software called SolidWorks. Students will be introduced to solid part modeling to create and modify fully parametric 3D models. Students will learn computer-aided-drafting skills, create sketches, apply various features, place dimensions, add relationships to define sketches, and modify completed models. Students will also create assemblies using parts they have created and much more. Students will have the opportunity to become a CSWA - Certified SolidWorks Associate by passing the exam. If you have any questions please contact Mr. Ward WI DPI Course Code: 21006G

FINE WOODWORKING

1 Semester .5 Credit

Are you interested in building a piece of furniture from wood? If you answered yes, this class is for you. Bring in a picture of a woodworking project and we'll build it! If you don't have a project in mind, you can work with another student or on a community project. Here are some of the machines you will learn to use: CNC machine, planer, jointer, table saw, compound sliding miter saw, wide belt sander, drill press, bandsaw, router and shaper. You will also learn about hand tools, design, planning, assembly techniques and finishing.

### TIGER MANUFACTURING

1 Semester/Year .5 - 1.0 Credit

Do you like to stay busy? If so, Tiger Manufacturing is for you! There is never a dull moment!! Here are some jobs to choose from: kitchen designer, CNC programmer, accounting, marketing/advertising, inventory control, CNC operator, label maker, inspector, material handler, shipping and janitorial positions. Tiger Manufacturing has added equipment sublimation, vinyl graphics and a 40 watt laser. We always have a long list of things to do and you'll never be bored. Make the time fly by taking Tiger Manufacturing. Want to develop and sell your own project? Anything is possible. Come join the Tiger Manufacturing team and make it happen!

### WELDING/MACHINING

1 or 2 Semester(s) .5 - 1.0 Credit

WELDING - Learning to stick two pieces of metal together is really cool. If you just want to learn the basics, one semester will be enough. Do you want to become certified and pursue a welding career? You better take it for the whole year. We have 4 stick welders, 3 MIG welders, 1 TIG welder, one plasma cutter and a oxy/acetylene cart. You won't be able to learn all of those processes in one semester! The class starts out with stick welding in the flat position. Students advance to horizontal, vertical and overhead welds. Students will have an opportunity to get a partial or full certification.

MACHINING - Students will learn to operate manual mills and lathes as well as Computer-Numerically-Controlled(CNC) machines. Students will learn to machine parts within tolerance by reading a print. Learn to read a micrometer, machine outside and inside parts, drill and tap holes, mill and surface parts. Machine parts to make an ice fishing tip-up or something else really cool. Employers are looking for machinists. This is a great way to gain some valuable experience and find out if a career in machining is for you.

### 3D PRINTING/CNC MACHINING

1 Semester .5 Credit

Have you ever broke something, didn't want to pay for the expensive part or need it immediately? Take this class and learn how to make your parts on our 3D printer or one of the five Computer-Numerically-Controlled (CND) machines available to you. Class projects will vary based on the students/shop needs. Come excited to solve a problem, reverse engineer and product a part/product. You will use software programs such as Mastercam, SolidWork and CorelDraw. We have a brand new 3-axis Haas Mini Mill, HL-2 Haas Lathe, 5X 8 Techno Wood CNC Router and a small classroom trainer lathe and mill. Not to mention a full shop of traditional tools to build whatever we dream up. Come take advantage of this opportunity.

## **INSTRUCTIONAL TELEVISION COURSE DESCRIPTIONS (ITV)**

### MEDICAL TERMINOLOGY

Sem I .5 HS Credit

This course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis reconstruction of terms. There will be an emphasis on spelling, definition and pronunciation. Course includes an introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. TRANSCRIPTED CREDIT: Students who successfully complete this class with a grade of 80% or higher can receive 3 credits through WITC-NR.

## MYTHOLOGY

Sem I .5 HS Credit

People have always tried to understand why things happen. For example, they wanted to know why the sun rises and sets and what causes lightning. They also wanted to know how the earth was created and how and where man first appeared.

Today people have scientific answers and theories for many such questions about the world around them. But in earlier times - and in some parts of the world today - people lacked the knowledge to provide scientific answers. There are definitely some things we still do not understand. These people however were imaginative enough to come up with stories about gods, goddesses, and heroes. For example, the Greeks had the story to explain the existence of evil and trouble. The Greeks believed at one time the world's evils and troubles were trapped in a box. They escaped when the box was opened by Pandora, the first woman. Such stories are known as myths and the study of myths is called mythology.

In this course we will study myths from other countries and also look at those myths we grew up believing. Our hope is to develop an appreciation for varying cultures and look at dominant myths throughout history. Daily access to Google Classroom is required.

## PHYSICS

All Year 1.0 HS Credit

Grade Level 10-12

Pre-requisite: Algebra II & Integrated Science, Physical Science, and/or teacher recommendation.

Physics is a study of relationships of matter and energy. Fundamental laws concerning matter and energy will be the basis for course content. Laws governing the physical world can be expressed in mathematical equations; this course will take a problem solving approach, which stresses mathematics. SI unit cancellation method for problem solving will be emphasized.

Most of all the concepts for this course will be experienced with data collection from lab experiences, video lab observations, and computer generated simulations.

Topics/Laws to be studied include:

Kinematics, energy, work, force, universal gravitation, rotational motion, simple harmonics, and wave motion (including light and sound). All class information, practice or labs will be transferred via Google Classroom and/or faxed to your school district.

Required devices: Scientific Calculator, Chromebook or PC.

## FIRST NATION NATIVE AMERICAN HISTORY

Sem 1 .5 HS Credit

This course is designed to foster and understanding, appreciation and analysis of First Nations people of the United States and the state of Wisconsin. The course will explore the cultural, social and economic contributions of Native Americans in contemporary society. The impact of treaty rights, Indian gaming, the use of Indian logos, and other contemporary issues will be discussed at length. Document analysis exercises, debates, and online forums will be employed to enhance student interaction and promote the development of higher level thinking skills. All students enrolled in this course will be eligible to apply for a four day trip to the Lac Du Flambeau Indian Reservation in September/October to experience first-hand the culture of the Ojibwe people. Chosen participants will spend four days at "Waswagoning," a recreated 17th century Ojibwa Village located on the reservation near Minoqua, Wisconsin.

## CALCULUS

See MATH Curriculum

## COLLEGE ALGEBRA

See MATH Curriculum

## ENGLISH 101 and English 102

See English Curriculum

US HISTORY 101 and 102  
See Social Studies Curriculum

UW COLLEGES ONLINE COURSES  
See Mrs. Ones for course options

INTRO TO ELEMENTARY EDUCATION

1 SEM 3 UW CR. .5 HS CR

Introduction to Teaching is designed for prospective teachers and other education professionals and serves as an introduction to both the field of education and to the Teacher Education program at UW River Falls. The course provides an introduction to interrelated aspects of education across three levels of analysis: Individual (teacher, child) Institution (school as a place to work and learn) System (schooling as reflective and transformative of society) Students learn through readings, class activities and discussions, assignments that utilize inquiry processes, and visits to educational settings. Several written assignments require students to reflect on their experiences and learning. An initial face-to-face meeting will be required at the beginning of the course. A daylong UWRF campus experience will also be coordinated. School district commitment: A minimum of 2 enrolled students (junior/senior status) A minimum of 2 mentor teachers (Grades 4K-5) to provide authentic weekly classroom experiences for the high school students and engage in discussions about the profession. The ability for students to be observed via ITV in the elementary classroom setting. Admission requirements: 3.0 GPA, top 40% of class This two credit course is offered on Tuesdays and Thursdays via ITV from 9-9:50 a.m. during Fall term. The other three days, students work in an elementary classroom under the supervision of a mentor teacher.

INTRO TO SPECIAL EDUCATION

1 SEM 3 UW CR. .5 HS CR

The purpose of this course is to provide pre-service teachers, school psychologists and any related professionals with knowledge and skills needed to promote learning and success for all students, including those at risk for school failure and those with special needs. Students will be introduced to current research and issues emphasizing a collaborative problem solving approach that facilitates effective family-professional partnerships and education programing for individuals with disabilities. Students will develop skills needed for planning and delivering the services necessary to productivity and inclusion of exceptional and diverse learners in school and community life. Active participation in class discussions and activities is expected daily. Admission requirements: 3.0 GPA, top 40% of class. Two days a week will be via ITV and 3 days will be in an inclusive elementary classroom under the supervision of a mentor teacher.

## PUBLIC NOTIFICATION OF NONDISCRIMINATION POLICY

It is the policy of the School District of Webster that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational or other program or activity because of the person's sex, race, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap as required by s. 118.13 Wis. Stats. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, and national origin), and Section 504 of the Rehabilitation Act of 1973 (disability), and the Americans with Disabilities Act of 1990.

The district encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available, however, to address allegations of violations of the policy in the School District of Webster.

Any questions concerning this policy should be directed to:

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