

Elcho Curriculum Guide

Grades 9-12



2019-2020

The Elcho School District does not discriminate on the basis of sex, race, color, religion, creed, age, national origin, ancestry, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability.

GUIDELINES FOR REGISTRATION

CHOOSE COURSES CAREFULLY - Considerable thought should be put into choosing your courses. **You are expected to complete the courses you select.** Be certain to read course descriptions carefully.

DROP/ADD POLICY

Consideration for schedule changes will be done prior to the first week of each **semester** for students who have failed required courses or have other extenuating circumstances. Schedule changes **will be held to a minimum**, and students who drop courses after the first week of the semester may receive a failure. The principal will determine the grade for a dropped course. Students cannot let the number of their classes fall below six for the year; therefore, if a student with six classes wishes to drop a course, he/she must find a replacement course to maintain the six class requirement.

FAILING A REQUIRED COURSE

A high school student who fails a required course(s) will be held responsible for making arrangements for rescheduling the course(s).

FAILING AN ELECTIVE COURSE

High school students who fail elective courses need not repeat these courses. However, students failing elective courses are still responsible for rescheduling to meet credit requirements for graduation.

GRADING AND HONOR ROLL

1. Numerical values of letter grades for regular and honors courses will be as follows:

Grade	1 Credit	1 Credit Honors	½ Credit	1/2 Credit Honors	Grading Scale
A+	4.333	5.333	2.167	2.667	97-100
A	4.0	5.0	2.0	2.5	93-96
A-	3.667	4.584	1.834	2.292	90-92
B+	3.333	4.166	1.67	2.083	87-89
B	3.0	3.75	1.5	1.875	83-86
B-	2.667	3.334	1.334	1.667	80-82
C+	2.333	2.916	1.167	1.458	77-79
C	2.0	2.5	1.0	1.25	73-76
C-	1.667	2.084	0.834	1.042	70-72
D+	1.333	1.666	0.667	0.833	67-69
D	1.0	1.25	0.5	0.645	63-66
D-	0.667	0.834	0.334	0.417	60-62
F	0.0	0.0	0.0	0.0	59 and below

2. Computing Grade Point Average (G.P.A.)

A student's grade point average is determined by adding the total number of grade points and dividing by the number of credits earned. Excluded, however, from computing the G.P.A. are grades given for a teacher aide or independent study.

3. Honor Roll

Inclusion in the Honor Roll requires that a student fall within the following limits:

Straight A	4.0 Or above
A Average	3.67 - 3.99
B Average	2.67 - 3.66

Students receiving a failure in any class will not be included in the honor roll.

GRADUATION REQUIREMENTS

1. MINIMUM TOTAL CREDITS: 24.0

Requirements may be modified, as needed, for students placed on Individual Education Plans.

2. REQUIRED COURSES/CREDITS

SUBJECT	
LANGUAGE ARTS	4.0
MATH	3.0
SCIENCE	3.0
SOCIAL STUDIES	3.0
ACP MATH	1.0
PHYSICAL EDUCATION	1.5*
HEALTH	0.5
ELECTIVES	8
	TOTAL 24

* Credits for high school graduation should be earned over a period of three separate school years.

CLASS RANK:

Class rank is determined by grade point average. The weighted grade point average is used to determine Valedictorian/Salutatorian status as well as scholarship eligibility. Please note that institutions of higher education differ in the grading scale they choose to determine eligibility for acceptance.

HONOR POINTS GRADING SYSTEM:

Certain courses offered for credit shall receive an honors grade point value (noted in course description). Courses taken through the Early College Credit Program and/or Start College Now will have varying grade weighting systems depending on the rigor of the course. The grades in these college courses will impact the student's high school grade point average.

COLLEGE COURSES WHILE IN HIGH SCHOOL:

START COLLEGE NOW: Effective in the 2018-2019 school year students who meet the eligibility criteria determined by district policy will be permitted to enroll in college courses through Nicolet College after completion of 10th grade through the Start College Now Program. If students earn below a D- or they will be responsible to reimburse the Elcho school for the cost of tuition for the failed course. Failure to pass a class may result in being unable to register for courses in subsequent semesters.

It is the responsibility of the student, not the school counselor or the district, to make sure each student is aware of transferability requirements, maintaining academic standards of success, and any student policies or expectations. Therefore, each student will be required to attend New Student Orientation prior to the start of their first semester and will be encouraged to meet with an academic advisor at Nicolet College.

EARLY COLLEGE CREDIT: Effective starting in the 2018-2019 school year students who meet the eligibility criteria determined by district policy will be permitted to enroll in college courses through the UW System or a private, non-profit institute of higher education after completion of 8th grade. If students do not earn a grade of a D- or higher they will be responsible to reimburse Elcho school for tuition for the failed course. Failure to pass a class may result in being unable to register for courses in subsequent semesters.

It is the responsibility of the student, not the school counselor or the district, to reach out to institutes of higher education to determine which courses they are eligible to register for. Students must notify the Elcho School Counselor with a written letter of intent naming each specific course(s) prior to March 1 for Fall semester and October 1 for Spring semester.

APPROVED COURSES: Students that are approved to participate in the Start College Now or Early College Credit Program will be restricted to courses that are not comparable to any course provided by the Elcho School District. College courses cannot be taken to replace a student's 12th grade English (either English 12 or A.P. English) or Personal Finance requirement.

Course Offerings

Art

Applied Arts

Credit: 0.5

Grades: 9-12

Prerequisite: None

Students will investigate ways of conveying ideas and concepts through visual means. Aesthetics, criticism, cultural influences, careers and creative problem-solving will be infused within the studio areas of: art metals, architecture, ceramics, crafts/folk arts, design, drawing, fiber arts, technologies, painting, photography, printmaking and sculpture. Students are required to maintain a notebook, sketchbook and portfolio.

Beyond Applied Arts

Credit: 0.5

Grades: 11-12

Prerequisite: 1.5 credits of Applied Arts with no final grade less than a B-, completed and approved contract, instructor recommendation.

Honors*

This course is a specialized offering for advanced students who demonstrate independent thinking skills, curiosity, self-motivation, high performance levels, and/or potential abilities within the visual arts. Sketchbooks and personal portfolio are required. This course is individually arranged with the instructor each semester.

Foreign Language

Studying a foreign language has many benefits for students, and in our global society being able to communicate in more than one language is an advantage. Many colleges and universities are looking for well-rounded applicants who go beyond the minimum admission requirements. It is strongly recommended that students complete at least three levels of a language if college is a possibility after graduation. Foreign language credits completed in high school, with a grade of at least C, usually fulfill college requirements. Although not all colleges require foreign language for admission, many require it to graduate. Students who complete upper-level language courses often receive retroactive credit from a college upon successful completion of the next level at the university (following placement tests, see guidance counselor for further information).

If the District is unable to secure a qualified instructor these courses will be offered in a blended or virtual format.

Spanish IA & IB

Credit: 1.0

Grades: 9 - 12

Prerequisite: None

Spanish 1 is designed to provide practice in all four basic language skills: listening, speaking, reading and writing. Grammatical, vocabulary, and cultural topics are included in classroom activities and projects. Students will study cultural aspects of Spanish-speaking countries and regions of Spain, Puerto Rico, Texas, Costa Rica, and Chile.

Spanish IIA & IIB

Credit: 1.0

Grades: 10 -12

Prerequisite: Spanish 1A & 1B

Spanish 2 reinforces material taught in Spanish 1 and continues the development of new language skills. Vocabulary is increased and new tenses and verb forms are introduced, including irregular verbs and the past tense. Students will increase their knowledge of Spanish through classroom activities and projects. Knowledge of the culture will expand through the study of the Spanish-speaking countries (and state) of Mexico, Argentina, Florida, the Dominican Republic, and Peru.

Language Arts Department

General English 9-12 courses are designed to develop language skills needed for college and career readiness. Classes include study of the common core standards for each grade level in the areas of reading literature and informational text, writing for a variety of purposes and audiences, speaking and listening, research, use of media and technology, and language development.

English 9A and 9B Prerequisite: None	Credit: 1.0	Grade: 9
English 10A and 10B Prerequisite: English 9A & B	Credit: 1.0	Grade: 10
English 11A and 11B Prerequisite: English 10A & B	Credit: 1.0	Grade: 11
English 12A and 12B	Credit: 1.0	Grade: 12
AP Language and Composition A & B Prerequisite: None	Credit: 1.0	Grade: 12 Honors*

Fall 2017 Prerequisite: Composition A & B and/or teacher recommendation

AP English Language and Composition encourages students to become skilled readers of nonfiction written in a variety of rhetorical contexts and challenges students to demonstrate college-level writing. The main objectives for writing instruction include: writing about a variety of subjects from a variety of disciplines; writing effectively and confidently; and writing in the forms of exposition, analysis, and argumentation that predominate academic and professional communication. Students may elect to sit for the AP English Language and Composition Test in May in pursuit of either advanced standing or college credit in their post-secondary studies.

AP Literature and Composition A & B Prerequisite: None	Credit: 1.0	Grade: 12 Honors
---	--------------------	-----------------------------------

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

Writing for Publications Prerequisite: English 9A & B and/or teacher recommendation	Credit: 1.0	Grades: 10-12
--	--------------------	----------------------

Students will experience writing for a real newspaper and compiling/submitting work to a literary journal. Journalism ethics and skills including interviewing, reporting, writing, and editing will be learned and applied. Students will also develop layout and computer skills as they work with publication design and photography. Leadership opportunities are offered in a variety of editorial and management positions. Additional time commitment outside of class is expected to ensure successful publication of the newspaper and literary journal. Students will enhance their computer skills to facilitate writing, editing, and layout. Student articles and literary pieces will be submitted to the school newspaper/journal for publication. Students with scheduling difficulties may take one semester for 1/2 credit.

Independent Study	Credit: 1.0	Grades: 9-12
--------------------------	--------------------	---------------------

This elective course is by instructor approval only and cannot serve to replace English credits required for graduation.

Life Skills Curriculum

Academic & Career Planning

Credit: 0.25

Grades: 9-12

Students will participate in various Academic and Career Planning activities each year while in high school. During homerooms, teachers will guide students through the use of the Career Cruising online portfolio creation program as well as other field trips and in/out of school activities. In order to receive elective credit students must complete their Career Cruising journals with a score of 75% or better. Students can earn 0.25 credit per year for a total of 1.0 elective credits in Academic and Career Planning.

ACP Math - I

Credit: 0.5

Grade: 11

Prerequisite: None

This course will be taught over two distinctly different semesters in order to integrate personal financial literacy skills along with the review of math skills related to exams that students take in their junior and senior year of high school. The first course occurs in the first semester of junior year. Topics will help students further address readiness skills as part of the Academic and Career Planning (ACP). Math preparation and review will focus on the state required ACT exam that all juniors take in the spring semester.

ACP Math II

Credit: 0.5

Grade: 12

Prerequisite: ACP I

This course will be taught over two distinctly different semesters in order to address personal financial literacy skills along with the review of math skills related to exams that students take in their junior and senior year of high school. The second course occurs in the second semester of senior year. Topics will help students further address readiness skills as part of the Academic and Career Planning (ACP). Math preparation and review will focus on the ACCUPLACER exam that students take for placement into college level reading, writing and math classes. Focus this semester will also include the Free Application for Federal Student Aid (FAFSA).

Skills for Living

Credit: 0.5

Grades: 9-12

Prerequisite: Teacher Approval

Skills for Living is a course designed to provide students with specific challenges to be prepared to society beyond school. The focus of this course will be job preparedness through activities and lessons that build the student's skill set for obtaining employment after high school. Students in this course will also be offered the chance to participate in, and become certified in, Wisconsin's Work Certified Program.

National Career Readiness Certificate

Credit: 0.5

Grade: 12

Prerequisite: Teacher Approval

This course will allow students to earn a National Career Readiness Certificate that demonstrates their basic work ready credentials to employers. Students will achieve this certificate by creating a Job Center account, completing the Career Ready 101 curriculum, and completing the WorkKeys assessments: Reading Information, Applied Mathematics, and Locating Information.

Mathematics Department

Please Note: The University of Wisconsin system requires math completion of Algebra I, Geometry, and Algebra II to total 3 high school math credits, but PREFER four years of math. Many other four-year colleges and universities, and possibly some two-year and technical colleges, have or will have the same or similar requirements. THINK AHEAD as you plan your high school program. Don't close doors that you will wish were open to you when graduation comes just because you don't feel like taking the right courses for your future needs.

Grade 6	Middle School Course 1	Middle School Course 2	
Grade 7	Middle School Course 2	Middle School Course 3	
Grade 8	Middle School Course 3	Algebra	
Grade 9	Algebra	Geometry	
Grade 10	Geometry	Algebra II	
Grade 11	Algebra II	Pre-Calculus	Consumer Math
Grade 12	Pre-Calculus	Calculus	College Pre-Algebra
	The sequence above shows the slowest possible progression through the math curriculum that still prepares a student for college entrance.	The sequence above is the fastest possible progression through the math curriculum and enables a student to take calculus during senior year.	The courses above are alternative credits that may be taken by a student with prior approval. They offer minimum acceptable levels of entry into a technical college.

Algebra I A & B

Credit: 1.0

Grades: 9-12

Prerequisite: None

Semester 1 will focus on the use of variables to represent numbers and values. They will extend this use of variables into the writing of expressions and equations that they will be asked to solve. A detailed analysis of linear relations and functions will take place with systems of equations and inequalities being solved graphically and algebraically. During Semester 2 students will be introduced to nonlinear functions including polynomials, quadratics, exponentials, radicals, and rationals. Various techniques of graphing, factoring and solving will be explored. Our exploration concludes with an examination of probability.

Algebra II A & B

Credit: 1.0

Grades: 10-12

Prerequisite: Algebra

The study of Algebra intensifies with an in-depth development of linear, quadratic, polynomial, radical, exponential, logarithmic, rational, and trigonometric functions. Conic sections, sequences and series, and probability and statistics are also developed in more detail.

Consumer Math

Credit: 0.5

Grades: 10-12

Prerequisite: None

Students will develop math skills for everyday life. They will learn about financial issues that they will face in the future such as gross and net income, money management, investments, charge accounts, credit cards, loans, and insurance. This course focuses on personal finance. This course is designed for students who are not college bound.

Geometry A & B

Credit: 1.0

Grades: 9-12

Prerequisite: Algebra I

Students will learn to develop geometric intuition and visual representation, develop deductive reasoning, including proofs, and recognize properties of common geometric figures. This semester's focus will be on lines, angles, and triangle relationships. Semester 2 will focus on similarity and measurement.

Pre-Calculus A & B

Credit: 1.0

Grades: 11-12

Prerequisite: Algebra II & Geometry

Honors*

Students will further develop all necessary topics for calculus. First semester will focus on relations, functions, graphs, and trigonometry. Second semester will focus on advanced functions and graphing, Discrete mathematics, including sequences and series, Inferential statistics and an introduction to calculus.

Music Department

General Music

Credit: 0.5

Grades: 9-12

Prerequisite: None

Students will learn the basics of hand drumming, playing drumming ensembles using various drums and percussion instruments both bought and found. Students will embrace the African drumming concepts of focus, ensemble, unity, respect, community, listening, discipline, responsibility and balance through the playing of instruments. Other aspects that may be focused on in this class are history of modern/rock music, history of music, playing various instruments, listening to and evaluating many styles of music and discovering the role that music holds in our personal lives. This will be a non-public performance class.

Senior High Band

Credit: 0.5

Grades: 9-12

Prerequisite: None

This academic and performance class is open to anyone with some musical skill. Weekly lessons and every other day rehearsals are given to improve students skills and knowledge of music theory, styles and periods of music and overall technique of playing an instrument. Concert Band, Pep Band and Marching Band are all incorporated into the overall band program. Performances are mandatory for class credit and include Homecoming, Veteran's Day, Large Group Band Festival, Pep Band to support volleyball, football, wrestling, and basketball, Memorial Day, Graduation, winter, mid-winter and spring concerts. Solo and Ensemble preparation and participation is highly encouraged to help each student develop musical skills. Other opportunities in band include performance field trips to the Wausau Mall, UW Madison Concert, and community performances. Band provides students ways to express themselves in a creative manner, learn self-discipline, improve team skills, social skills, communication skills and cooperative skills. There is a definite link between the top achiever academically and the band student.

Senior High Choir

Credit: 0.5

Grades: 9-12

Prerequisite: None

This class is open to everyone. Involvement includes daily rehearsals where we work to improve singing and listening skills, performance techniques, music theory knowledge, while learning songs in 3 and 4 (or more) parts. Performances during the year include; Veterans' Day Program, Senior High Winter Concert, Senior High midwinter concert, Senior High spring concert, Choir Festival, and Graduation. These require mandatory participation in order for students to earn a grade in addition to their daily work in class. Optional activities to be involved in are: Solo and Ensemble district and state festivals; Swing Choir, Madrigal Singers, and other groups. Students must be in choir in order to perform Solo and Ensemble vocal entries. Additional opportunities are given for individuals to attend summer music camps and choirs festivals that are held throughout the year.

Physical Education & Health Department

Community Wellness

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course explores general health issues, as well as personal health, nutrition, stress management, substance abuse prevention, disease prevention, first aid, etc. This is primarily a classroom-based course, with some opportunities for physical activity. This class will earn an elective credit but does not count towards the state physical education requirement.

Health Education: Required

Credit: 0.5

Grade: 10

Prerequisite: None

Health Education covers many areas. It is used to help our students to better understand themselves and the world around them. It covers techniques to better cope with life and how health issues affect them. Areas covered will be puberty, sexuality, tobacco drugs and alcohol, communicable and noncommunicable diseases, safety and first aid, social life skills character education, the importance of physical fitness, and understanding personalities. Class participation is very important in this class. Being able to express one's views is an important part of learning about yourself and how you relate to others.

Intro. to Health & Fitness**Credit: 0.5****Grades: 9-12****Prerequisite: None**

(Entitled *Health Nutrition on the 2018-2019 schedule grid.*) Do you know how to make a snack that is healthy but also tastes good? Want to know what's really in that boxed food? Have you ever wondered why people in other countries seem more fit and have less health problems? These questions and many more will be answered when you take this course. You will also learn how to make a big variety of foods and taste them to see what you like best. Join us in the kitchen and be able to feed yourself for a lifetime. Students interested in engaging in more fitness activities, should also sign up for Fitness & Weight Training.

Sports PE Waiver**Credit: 0.5****Grade: 10-12****Prerequisite: School Counselor Approval**

Per Policy 345.64, a student may be waived from 0.5 credits of the required 1.5 credits of physical education for graduation. To be eligible, students must participate in two full seasons of WIAA-sanctioned, District-sponsored sports while in high school, be in good academic standing, and have no activities code violations. This waiver can only be used once and the student is required to complete the remaining 1 credit of physical education prior to graduation. The class will appear on a student's transcript as Sports PE with a "Pass" grade, which has no weight on a student's grade point average. If interested please see the School Counselor, and the above information will be verified with the activities director and director of instruction upon receiving parental permission.

Physical Education

Physical Education Elementary Partnership (PEEP)**Credit: 0.5 Credit****Grades: 9-12**

Students wishing to earn High School Physical Education credit can choose to enroll in this course.

Students will be expected to participate and mentor elementary students. Students will be expected to dress accordingly for activity and be willing to work directly with elementary PE students. Students will be graded on active participation, work ethic, attitude, attendance and proper etiquette. This will be a semester course ending with a final written paper describing the experience and what was learned while enrolled in the course.

The Following Courses**Credit: 0.5 Credit****Grades: 9-12****Prerequisite: None**

The following classes meet the state requirement for physical education credits. They are offered on a rotational basis to allow for different opportunities each year. Some of these courses will only be offered every other year.

Fitness and Weight Training (FWT)

This course is designed to provide students with knowledge and skills necessary to live a lifelong healthy and active lifestyle. Students will explore a wide range of fitness activities to improve their cardiovascular fitness and their own personal training plan to improve their muscular strength and endurance. Student will be in the weight room two/three days per week. Activities offered: weight room, jogging, pilates, snowshoeing, circuit training, Zumba, yoga.

Leisure and Lifetime Activities (L & L)

This course is designed to provide knowledge and opportunity for skill improvement in activities that can be enjoyed for a lifetime. Activities offered: Archery, Snowshoeing, Golf, Softball, Bowling, Cricket, Lawn Games, In-line Skating.

Net/Racket Games

This course is designed to provide knowledge and improve skills in sports that can be played with a net and/or a racket. Activities offered: Tennis, Badminton, Pickleball, Ping Pong, Eclipse Ball, Lacrosse, Volleyball and Peteka.

Team Sports

This course is designed for students to increase their heart rate through team activities. Students will have an opportunity to develop individual skills and team building in each sport and expand knowledge of basic rules and game play. Activities offered: Soccer, Basketball, Volleyball, Floor Hockey, Softball, Team Handball, Flag Football, Ultimate Frisbee, Outdoor Winter Games.

Science Department

Please Note: The University of Wisconsin system currently requires THREE YEARS of science for admission. Many other four-year colleges and universities and possibly some two-year and technical colleges have or will have the same or similar requirements. This means that every student will have to meet those requirements. THINK AHEAD as you plan your high school program. Some of these courses will only be offered every other year.

Anatomy and Physiology A & B

Credit: 1.0

Grades: 10-12

Prerequisite: Biology

Honors*

This class takes an in-depth look at the fundamentals of anatomy and physiology of the human body. We take a systems approach to the body and will be studying basic body chemistry, tissues, the integumentary, skeletal, muscular, and nervous systems including the special senses of vision, hearing, taste, and smell. This course requires **much** independent study and memorization. Only self-motivated students with a strong biological background should take this course. Dissection is required.

Astronomy

Credits: 0.5

Grades: 10-12

Prerequisite: None

In Astronomy we explore the universe, from the big bang, life cycle of stars, to our solar system. We will also study interesting phenomena throughout the universe, like black holes, comets, and the Northern Lights. There will be weekly labs as well as projects and activities related to the astronomy topics. Some of the highlights of this course will be a trip to a planetarium and possible outings where we will view the moon and night sky.

Biology

Credit: 1.0

Grades: 9-10

Prerequisite: None

Students will begin their study of biology with an exploration of Ecological sciences, Cell Structures and Functions and Genetics. The History of Life and Evolution and our current Classification system will follow. Finally the diversity of plant and animal life will wrap up our year. Throughout the year the process of science and vocabulary will be stressed.

Advanced Biology

Credit: 1.0

Grades: 10-12

Prerequisite: Biology

Honors*

The exploration of biological sciences continues for students interested in college admissions and/or a future in biological, environmental, or medical sciences. This is an advanced course and only students with high self-motivation and a strong biological background should consider taking it. The scientific process and biochemical life processes of life are stressed throughout First Semester as we explore the Plant kingdom and the microbiology of virus, bacteria and protists. Life's energy pathways, metabolism, photosynthesis and respiration and molecular genetics will also be included. Second Semester takes an in-depth look at the anatomy, physiology, and classification the animal kingdom. It will also include Ecology and the diversity of life on Earth.

Chemistry I A & B & Chemistry II A & B

Credit: 1.0

Grade: 10-12

Prerequisite: Algebra I

Chemistry II Honors*

Physical Science Recommended

The study of Chemistry continues for the student interested in college admission and/or a future involving the chemical sciences. The course will include a more in depth look at the topics of Atomic Structure, Periodic Law, Types of Bonding, Types of Chemical Reactions, The Mole, and Stoichiometry. Emphasis will be placed on problem solving and laboratory analysis. After completion of year I students may choose to complete Chemistry II for a more advanced look into the topics described above.

Earth Science

Credits: 0.5

Grades: 10-12

Prerequisite: None

In this semester long course you will learn about geologic processes of the earth. We will study geology, oceanography, resources in the earth, the earth's atmosphere, and climate. There will be weekly labs, activities, and projects related to the current topics. Some highlights of this course are: learning how to

collect rocks, rock polishing, outdoor labs, collecting weather data, and a visit to a gravel pit and/or Newswatch 12 weather station.

Environmental Topics

Credits: .5

Grades: 10-12

Prerequisite: None

Students in this course are able to identify the topics of interest to them that will be further explored, including: food chains and webs, predator/prey relationships, invasive/introduced species, endangered species, pollution, food production, groundwater, energy resources, recycling, and climate change. Two highlight activities are: a water quality study of one of our local water bodies, and the Solar Olympics fair in the spring. This is a hands-on course!

Forestry

Credits: .5

Grades: 10-12

Prerequisite: None

Forestry is a hands-on, practical course that focuses on appreciation of our Northwoods, forestry management and recreation, and the impact of a forest for generations to come. We start of with the history of forestry in Wisconsin. Then, we will explore the biology and ecology of our forests. Some lifelong skills you will learn include: estimating tree age, tree identification, tapping a tree, and how to calculate tree height. The course includes multiple outdoor labs, many of them at our school forests.

Physical Science

Credit: 1.0

Grade: 9

Prerequisite: None

Students who intend to take high school chemistry should take this course. Topics include properties and changes of matter, atomic structure, the periodic table and periodic law, ionic and covalent bonding, chemical reactions, states of matter, solutions, energy and chemical change, and acids and bases. The third quarter is a survey of the main topics within the field of physics. Topics include motion, forces, energy, light, and electricity & magnetism. The fourth quarter is a survey of earth science. We learn about rocks & minerals, earthquakes, weather, and glaciers. The environmental topic at the end of the year is climate change. Course includes plenty of fun, hands-on experiments and activities.

Physics I A & B & Physics II A & B

Credit: 1.0

Grades: 10-12

Prerequisite: Algebra II (Completed or Enrolled)

Physics II Honors*

Physical Science Recommended

The study of Physics continues for the student interested in college admission and/or a future involving the physical sciences. One entire semester will include an in-depth look at the topics of Mechanics including the study of Motion, Forces, Momentum, and Energy within linear and rotational systems along with one-dimensional and two-dimensional systems. Thermal Energy and States of Matter will also be explored if time allows. Other semesters will include a more in depth look at the topics of Wave Mechanics, Electricity and Magnetism, Quantum Theory and Nuclear Physics. Special Relativity will also be explored if time allows. Emphasis will be placed on problem solving and laboratory analysis.

Social Science Department

Students are required to successfully complete at least one semester of U.S. History and at least one semester of Political Science to meet the Wisconsin graduation requirements. Students planning to further their education beyond high school are encouraged to complete 4 credits of social science. Some courses will only be offered every other year.

Ancient World History

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course will explore the civilizations of the Early Ancient World through the Medieval and Renaissance time periods by looking at each period through the themes of power and authority, religion, revolution, environmental interaction, economics, culture, empire building, and science/technology. This course is designed to provide a foundation for future historical studies. Geography will be emphasized.

Economics A & B

Credit: 1.0

Grades: 11-12

Prerequisite: None

Semester I is designed to provide the students with exposure to, and the tools necessary to deal with, the ever-changing demands of an economic society. Students will study our interdependent global economy the role of technology in economic decision-making, concepts such as consumer education, supply and demand principles, private and public finance, property taxes and income taxes. Semester II is designed

to provide the students with exposure to the stock market, international and domestic trade, banking, financial credit, household consumption, personal insurances and budgeting your income. In depth activities include topics such as: stock market, career exploration, trade and alternative economic systems.

Modern World History

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course will begin with a look at the forces that moved much of the world through the Industrial Revolution and then to a study of the development of imperialism. It will also look in detail at the first half of the twentieth century, focusing on the two world wars and Great Depression. The course will culminate with a study of recent history including the Vietnam War and the effects of globalization. Each time period will be taught through the themes of power and authority, religion, revolution, environmental interaction, economics, culture, empire building, and science/technology. This course is designed to provide a foundation for future historical studies. It is not necessary to have taken Ancient World History in order to take this course.

Political Science A & B

Credit: 1.0

Grades: 10-12

Prerequisite: None

This course examines the operation of government under the U.S. Constitution at the federal, state and local levels. It discusses the legislative, executive and judicial branches of government, the role of voters, special interest groups, political parties, public opinion and the legal system. This course will also examine the role of our government in the areas of finance, foreign policy and national defense. It discusses our court system, civil liberties, state and local government operations, our legal system, property taxes and comparative political and economic systems.

Psychodynamics A & B

Credit: 1.0

Grades: 11-12

Prerequisite: None

This course is a social science dealing with the mind and with mental and emotional processes. Everyday behavior is far more complex and interesting than most people imagine. Students will study gender, ethnicity, belief systems, biases and values. Special activities will include the creation of a video, a case study analysis and the reading of supplemental materials.

U.S. History A & B

Credit: 1.0

Grades: 9-12

Prerequisite: None

This course is a chronological description of the history of the United States from Reconstruction and Western Expansion to the Great Depression Era of the 1930's. This course begins where the grade 8, Early U.S. History, course ended. Semester I is designed to provide one half of the State required American History credit. Semester II begins with the Great Depression Era of the 1930's the Changing Faces of America in the present day.

Technology Education

Students will need to purchase their own safety glasses and may need to purchase their own materials for some projects for all classes other than Graphic Design.

Intro to Tech Ed

Credit: 0.5

Grades: 9-12

This semester long course is designed to introduce students to the technology education classroom. Students will be exposed to a wide variety of topics including but not limited to: woods, construction, graphic design, welding, auto, manufacturing, and more.

Construction

Credit: 0.5

Grades: 9-12

Prerequisite: None

Designed for students who have expressed an interest in and an aptitude for entry into some phase of building construction or a related field. The course will give the student an introductory experience into the many skills and potential careers associated with residential home construction. This experience is accomplished through the actual construction of a home or similar structure.

Graphic Design

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course is a semester long and is for students intending to develop their skills in graphic arts and

printing. Activities will include extensive work in Desktop Publishing, electronic prepress imaging, and graphic design. Students will be working with state-of-the-art graphics programs such as Photoshop.

Intro to Auto/Small Engines

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course will introduce students to the basic skills and techniques of auto maintenance. Students will acquire knowledge and skills necessary to troubleshoot and assess various common problems. Laboratory activities will include checking fluid levels, tire pressures and rotations, how to buy a vehicle, and some mechanical work.

Manufacturing/Engineering I (M&E)

Credit: 0.5

Grades: 9-12

Prerequisite: None

Manufacturing / Engineering is designed to give the student a greater understanding of the importance of the manufacturing, machining, welding, industrial processes and engineering concepts. This is a semester long course and imbeds elements of other courses offered in the department at the high school level. Students will be encouraged to participate in the Nicolet Tech welding competition. All areas of study will include on-going activities in problem solving, critical thinking, assessing various technologies, and applying appropriate technologies to solve problems while working effectively both as a team member and individually. This course will also include studies in career exploration and post-secondary planning.

Shielded Metal Arc Welding I/II (SMAW)

Credit: 1.0

Grade: 9-12

Prerequisite: None

Examines the most popular form of electric arc welding. Shielded metal arc welding equipment is used in various scenarios. Students will learn the various components of a shielded metal arc welding station and produce quality welds in various positions using said equipment. Students that have completed one semester may enroll in SMAW II or participate in an independent study to further advance in welding on an individual basis.

Woodworking Processes I

Credit: 0.5

Grade: 9-12

Prerequisite: None

Woodworking Processes I is an introductory course that is a semester long and is designed to give the student a basic understanding of the materials and processes involved in modern woodworking. Emphasis is on the safe operation of all machines. Areas of study include use of hand tools, portable power tools, woodworking machines, methods of fabrication, finishing processes, laminating, and interpreting working drawings with cost estimation. Three major projects are to be constructed involving the use of all woodworking machines in the shop as a requirement of the course. The student may also have the opportunity to design and construct a project of his/her own choice during class. Students must pay for the materials needed to complete their choice project.

Woodworking Processes II

Credit: 0.5

Grades: 9-12

Prerequisite: Woodworking I or consent of instructor

Woodworking Processes II is a career-oriented course designed to give students a greater understanding of the materials and processes involved in advanced woodworking, cabinet making, and architectural woodworking. Areas of study include: wood material technology, design in woodworking, advanced operations on woodworking machines, advanced finishing methods and techniques, industry standards, occupational groups, and customizing with inlays, veneers, laminates, and fiberglass. All areas of study stress possible career opportunities and the importance of woodworking in our lives. Major projects of an advanced design are required. Students may elect to take the WoodLINKS Certification Exam (Introduction and Advanced) to receive nationally recognized certification in the WoodLINKS program. This certification offers students entry-level accreditation in various cabinet-making, and architectural woodworking careers. (Students electing to take the introductory or advanced exam will need to pay a \$50.00 exam fee).

Woodworking Processes III

Credit: 0.5

Grades: 10-12

Prerequisite: Woodworking I or consent of instructor

Woodworking Processes III is specifically designed for the seriously interested "motivated" intermediate to advanced level woodworkers. This class is designed to improve techniques and production speed. The focus of this class is on the word PRACTICAL. Although the class will include specific hand tool techniques, this course is primarily focused on machine woodworking and working wood from "the rough". Most serious woodworkers should seek to eventually work wood from the rough as the quality and versatility of rough lumber is far superior to typical home center pre-milled wood. Content of the course

includes but is not limited to: Wood technology, stock & material selection, rough milling, squaring, production techniques, taming significant defects, mortise & tenon, tongue & groove, and many other joinery techniques are covered in addition to hand applied finishing techniques.

Vocational Education

Cooperative Occupational Education **Credit: Class 0.5 /Work Release 0.5** **Grade: 12**

Prerequisite: A senior in good academic standing

In this course, students will explore career and education pathways by first evaluating their strengths, weakness, interests, aptitudes, and personalities. They will then research careers that interest them and the education and training that will be necessary to achieve a career in their chosen field. A portfolio will be kept of the entire process. This course will also teach students many of the skills needed to be successful in the workforce. The class combined with work experience is designed to allow the students to gain positive work attitudes, employability skills, and personal management skills. Students are allowed to miss part of the school day for work purposes. Students must have a job before enrolling in the work release program.

Desktop Publishing (Media)

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course will include video editing techniques, music/soundtrack composition, and various methods of professional-level multimedia presentation. Students will be required to include in their project work consultation with community resources and/or school district staff to develop multimedia presentation. Project work will include instructional/unit lessons, demonstrations, lecture, professional-quality presentations, documentaries, highlight films, public service announcements, advertisements, yearbook and possibly a video yearbook. The most unique aspect of this course is that students will integrate the knowledge and skills acquired in this class with the subject content of other courses they are or have participated in.

Youth Apprenticeship

Credit: See Below

Grades: 11-12

Students may wish to participate in the Youth Apprenticeship program beginning at the end of 10th grade. Students must complete 450 hours per school year to earn 1.0 elective credits. Credit determination is based on employer ratings and feedback as well as the discretion of the school counselor based on school attendance and performance while participating in the program. If a student has a job that is not considered approved through this program they will not receive credit for their work hours. Only students that are in 12th grade and have met specific graduation requirements will be permitted to leave school for part of the day to attend work. Upon completion of the Youth Apprenticeship program students will receive an industry-recognized certificate and will be acknowledged during the end of the year awards ceremony.

Aide Credit

Aide Credit

Credit: 0.25

Grades: 9-12

Prerequisite: None

Students may be given the opportunity to earn credit through work as a student aide. These opportunities are not guaranteed and will be considered on a case-by-case basis. The following are some of the guidelines that may assist a student in deciding if they would like to serve as an aide:

- Students will be able to receive .25 elective credits for each successful semester served as a teacher's aide.
- Students will receive a Pass or Fail for the class that will not be added to their GPA point value.
- Students may receive up to 1.0 aide credit for their entire high school career (four semesters total).
- In a 90-day semester, students must be performing their aide duties 63 days or 70% of the time.
- Students will have to write a reflection at the end of their aide experience explaining what they learned and how this experience has helped them. We ask that the supervising teacher sign-off on this information. It does not have to be a formal paper, but we are looking for what students can take away from the experience.
- Students may also be an aide in lieu of a study hall. In this instance they will not receive credit.
- Students may be an aide for no credit, if they choose to count those hours towards community service. This will not count toward National Honor Society community service.