

Elcho High School

Curriculum Guide

2026-2027



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PUPIL NONDISCRIMINATION AND EQUALITY OF EDUCATIONAL OPPORTUNITIES

It is the policy of the School District of Elcho that no person be denied admission to any public school in this district or be denied participation in, be denied 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, religion, national origin, ancestry, creed, age, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability as required by Section 118.13 of the statutes. 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 and national origin) and Section 504 of the Rehabilitation Act of 1973 (handicap).

The Title IX Coordinators for the Elcho School District are listed below:

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SCHEDULING GUIDELINES

Students should consult with the school counselor at least once per year to discuss scheduling courses that will help them to meet their academic and career goals. Considerable thought should be put into choosing courses as students are expected to complete the courses they select. Students should use this guide to read course descriptions carefully to ensure they will be successful in the classes they select.

DROP/ADD POLICY

Schedule changes will be made at student and parent/guardian request prior to the start of each semester. After the semester begins, schedule changes will only be made during the first week of the semester. These changes will require signatures from adding and dropping teachers, parents/guardians, and will require final approval by the school counselor. If a student chooses to drop a course after the first week of the semester, an F will be posted to their high school transcript for that course.

EARNING CREDIT

Students will earn a $\frac{1}{2}$ credit for each course that they take for one semester and earn a passing grade, with the exception of a student aide as this is only a $\frac{1}{4}$ credit per semester.

FAILING A REQUIRED COURSE

Any high school student that fails a required course(s) will be held responsible for making arrangements for retaking the course in order to graduate. This may include repeating the course with regular, special, or alternative education. Failing any course will negatively impact a student's grade point average.

FAILING AN ELECTIVE COURSE

Any high school student that fails an elective course does not need to repeat the course unless the credits are required for graduation. Failing any course will negatively impact a student's grade point average.

GRADING AND HONOR ROLL

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

Grade	Standard	Honors	Grading Scale
A+	4.333	5.333	97-100
A	4.0	5.0	93-96
A-	3.667	4.584	90-92
B+	3.333	4.166	87-89
B	3.0	3.75	83-86
B-	2.667	3.334	80-82
C+	2.333	2.916	77-79
C	2.0	2.5	73-76
C-	1.667	2.084	70-72
D+	1.333	1.666	67-69
D	1.0	1.25	63-66
D-	0.667	0.834	60-62
F	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 from computing the G.P.A. are "pass" grades such as those earned as a student aide. Any course work taking under a Study Abroad or Homeschool program would be considered on a pass/fail basis with appropriate documentation of course completion. Alternative courses will receive a traditional corresponding letter grade.

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 failing grade 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	
PERSONAL FINANCE	0.5	
PHYSICAL EDUCATION	1.5*	
HEALTH	0.5	
SENIOR CAPSTONE	0.5	
ELECTIVES	8.0	TOTAL 24

**High school graduation credits should be earned over a period of three separate school years.*

CLASS RANK

Class rank is determined by a student's grade point average. The weighted grade point average is used to determine Valedictorian/Salutatorian status as well as scholarship eligibility after completion of the first semester of their senior year. Please note that institutions of higher education differ in the grading scale they choose to determine eligibility for acceptance. Students will be notified of their class rank at the start of their Junior year and the impact this will have on guaranteed admission to University of Wisconsin colleges.

HONOR POINTS GRADING SYSTEM

Certain courses offered for credit will receive an honors grade point value (noted in the 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

START COLLEGE NOW: 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 a student earns a failing grade in a college course they will be responsible to reimburse the School District of Elcho for the cost of tuition for the failed course. Failure to pass a class may result in being unable to register for college courses in subsequent semesters. Students must be considered in “good standing” as determined by their grades, attendance, and overall participation in Elcho High School courses in order to be eligible for Start College Now courses. Students that are open enrolled in the District may be denied this opportunity as well.

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: 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 a student earns a failing grade in a college course they will be responsible to reimburse the School District of Elcho 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 reach out to institutions of higher education to determine which courses they are eligible to register for. Students must notify the school counselor with a written letter of intent naming each specific course(s) prior to March 1 for the fall semester and October 1 for the 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 School District of Elcho. College courses cannot be taken to replace a student’s 12th grade English (either English 12 or A.P. English) or Personal Finance requirement.

ADVANCED PLACEMENT PROGRAM, AP®

Advanced Placement (AP) courses give students the chance to complete college-level work while they are still in high school. Students who successfully complete an AP course have the opportunity to earn college credit and placement at participating institutions of higher education. To learn more about what colleges accept AP courses visit the College Board website: <https://ap.collegeboard.org/>

Art

Applied Art

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. .

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, and/or 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.

English Language Arts

English 9 & 10

Credit: 1.0 per year

Grades 9-10

These courses are designed to foster the growth of each student in the area of English and Language Arts. Our goal is to build collaborative, self-directed learners who read and respond widely and deeply to a variety of texts in hopes of developing a deeper understanding of the art of reading and writing. Text and composition complexities are scaffolded throughout grades 9 - 12 according to the Common Core State Standards for Reading Literature, Reading Informational Texts, Writing, Speaking and Listening, and Language.

Contemporary Literature

Credit 0.5 Elective

Grades 9-12

In this dynamic and thought-provoking course, students will embark on a journey through the vibrant landscape of contemporary literature, exploring diverse voices, perspectives, and narratives from around the world. Students will encounter a diverse and rich range of stories that reflect complexities of the modern human experience appealing to young adults. This semester long course does not replace a student's grade level English course without approval from administration.

Holocaust Literature

Credit 0.5 Elective

Grades 9-12

The Holocaust stands as one of the darkest chapters in human history, where the systematic genocide of six millions Jews, alongside millions of other marginalized individuals, unfolded amidst the chaos of World War II. This course delves into the profound literary responses to this unparalleled tragedy, exploring how writers across various genres have grappled with the complexities of human suffering, resilience, and remembrance. This semester long course does not replace a student's grade level English course without approval from administration.

Sports Literature

Credit: 0.5 English

Grades 11-12

This course examines the importance and influence of sports in today's world. Students will examine and analyze various literary works by both contemporary and classical writers, such as W.P. Kinsella's novel, Shoeless Joe and Jeanne Marie Laskas's Concussion. Students will explore fundamental questions associated with sports. Students will read and write a variety of genres that include short stories, poems, fiction and nonfiction. Students will work to improve their reading, writing, presenting and researching skills. Critical and creative skills will also be strengthened and reinforced by various assignments including projects, papers, and presentations. Offered the opposite year of World Literature.

Mythology and Legend

Credit: 0.5 English

Grades 11-12

A study of myths, legends, and folktales from ancient times to the present throughout the world. Mythology refers to early humanity's need to explain the cosmological and supernatural traditions of a people, and to provide a simple, clear model of a code of human behavior. These two ideas are integrated into the modern world of the student. Offered the opposite year of Genres Across Literature.

World Literature**Credit: 0.5 English****Grades 11-12**

They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings in literature loosely organized in a chronological framework. Students work independently on many of their analyses and engage in creative collaboration with their peers. World Lit is a literature-based composition course that will improve reading, writing, listening, viewing, and speaking skills. The primary focus will be world literature from ancient writings, and time periods—both fiction and nonfiction—and current writings from non-American cultures. Students will develop higher level thinking skills through critical reading and effective writing. Offered opposite year of Sports Literature

Genres Across Literature**Credit: 0.5 English****Grades 11-12**

Students not only know what genres exist but will also be able to analyze texts to determine their genre. This course puts students in a position to appreciate the literature they are reading. This literature-based course draws from a variety of genres and examines short stories, novels, and plays. Genres Across Literature builds on prior knowledge acquired and sets a foundation for the students' literature and writing skills. Students will analyze common themes in a range of literature. Students will also develop several compositions in a variety of modes and for a variety of purposes. Skills in the areas of reading, writing, study strategies, listening, speaking, and research in preparation for college will be developed. Offered opposite year of Mythology and Legend Literature.

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

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

Family & Consumer Science

Child Development & Parenting**Credit: 0.5 Elective****Grades: 10-12**

Students will explore the development children go through from infancy to at least grade school age. There will be a focus on physical, emotional, social and intellectual growth. Developmental stages of each age will also be focused on. Through interactive projects and real-world examples students will gain knowledge on the challenges and rewards for caring for and educating children. The second half of this course will then focus on the responsibilities, challenges and joys of raising children. Practical topics such as pregnancy, parenting styles, child guidance and the emotional and physical needs of children at different stages of life. Hands-on activities, simulations and important discussion will be used to help students understand what it takes to be a supportive and effective parent.

Fashion & Interior Design**Credit: 0.5 Elective****Grades: 9-12**

Students will be introduced into the world of style, creativity, and functional design in both clothing and living spaces. There will be a deep exploration of the principles and elements of design, textiles and basic sewing techniques. Along with this, they will learn space planning decor. Hands-on work will allow students to work individually and in groups to express their creativity while learning practical skills used in fashion and interior design industries.

Foods I**Credit: 0.5 Elective****Grades: 9-12**

The class is a hands-on experience where students will learn the basics of food safety, cooking techniques and nutrition. Through individual and group work, students will discover how to prepare a variety of recipes and how food choices can impact personal health and the environment. In the end, students will have the skill and confidence to make healthy meals outside of school.

Foods II**Credit: 0.5 Elective****Grades: 9-12**

Foods II will build on foods I, in this class students will build deeper skill sets with meal planning & preparing, cooking techniques, food management and global cuisine. Together, students will work to create more complex dishes and even the science behind food preparation. By the end of the course, students will confidently plan and prepare meals with a focus on management, creativity and teamwork.

Relationships & Communication**Credit: 0.5 Elective****Grades: 11-12**

Students will explore the basics of healthy relationships and intentional communication. Through the class they will focus on both personal and professional relationships while they also learn about active listening, conflict resolution and emotional intelligence. The course will work through some difficult but very important conversations as well. At the end of the class, students will walk away feeling confident in their relationship building and communication skills.

Life Skills

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. In order to receive elective credit, students must complete their Student-Led Conference and any other required activities such as field trips, guest speakers, etc. Students can earn 0.25 credit per year for a total of 1.0 elective credits in Academic and Career Planning.

Leadership Development

Credit 0.5

Grades 9-12

Leadership Development is an elective course where students learn the character traits of a leader and how to lead effectively. Through the course units including preparation, vision, character, goals, and influence, students will possess the tools to make quality decisions and understand the role of a leader in their communities. This course will provide multiple forms of academic skills while also providing students opportunities to apply leadership skills in the school and community.

Personal Finance

Credit: 0.5

Grade: 11

This course is designed to integrate personal financial skills along with the review of other skills related to the life that students will lead as they prepare for adulthood after their high school graduation. The first course occurs in the first semester of junior year. Course content will help students further address readiness skills that are part of the Academic and Career Planning (ACP) guidelines. Topics will include: Money Management Skills, Financial Safety v. Long-term Debt, Loans, Grants and Scholarships, Cooking, Cleaning, Shopping and Meal Preparation, the Function of the Stock Market, the Use of Credit and Rent, Utilities and Expenses.

Senior Capstone

Credit: 0.5 Elective

Grade: 12

Successful completion of this Capstone journey will not only encourage, but will require your involvement and collaboration with parents, community members, teachers and employers. The curriculum is developed and organized around real-life, "need-to-know" information and skills. Each topic serves as a basis for academic, career, and life preparation. You will be provided with the opportunity to foster your skills as an "active learner," fully capable of solving complex problems and constructing meaningful solutions that are grounded in the world far beyond this classroom. You will be engaged in multiple challenging tasks which are designed to include the integration of learning, the generation of knowledge, and a deeper sense of self-reflection. You will also further the development of your existing repertoire of skills and unique talents and, finally, you will develop and build a personal portfolio.

Work Release

Credit: None

Grade: 12

Students that have made adequate progress towards meeting their graduation requirements as determined by school administration can leave after all required courses to attend work. Students must be at work during school hours after they leave school. In order to be eligible for consideration for work release, students must have a positive attendance record for at least one full semester prior to starting in the work release program. Attendance will continue to be monitored to remain eligible throughout the school year as well. Students must maintain a 90% attendance rate and not meet the definition of truant and/or chronically absent (this includes tardies). Students must also maintain good grades and pass the scheduled grade checks. If students are behind or have a failing grade in two consecutive grade checks, they will be suspended from work release until they are passing. If suspensions happen on more than one occasion, the student will be removed from the work release program for the rest of the school year. All District requirements, such as state and local testing, class meetings, etc. must also be completed. This will be assessed at each grade check throughout the school year. Students participating in Work Release will be required to take a career preparatory course to supplement the program. No credit is awarded for work release.

Youth Apprenticeship

Credit: See Below

Grades: 11-12

Students may wish to participate in the Youth Apprenticeship program after the completion 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. Jobs must be approved to fit the criteria of a Youth Apprenticeship with the school counselor. Upon completion of the Youth Apprenticeship program, students will receive an industry-recognized certificate. Students must enroll in and successfully complete a class that corresponds to the work they are doing in the apprenticeship per the State of WI requirements for YA. All paperwork must be completed for DPI to receive credit.

*In order to be eligible for Youth Apprenticeship, students must have a positive attendance record for at least one full semester prior to starting in the work release program. Attendance will continue to be monitored to remain eligible throughout the school year as well. Students must maintain a 90% attendance rate and not meet the definition of truant and/or chronically absent (this includes tardies). Students must

also maintain good grades and pass the scheduled grade checks. If students are behind or have a failing grade in two consecutive grade checks, they will be suspended from work release until they are passing. If suspensions happen on more than one occasion, the student will be removed from the work release program for the rest of the school year. All District requirements, such as state and local testing, class meetings, etc. must also be completed. This will be assessed at each grade check throughout the school year.

Mathematics

Grade 8	Middle School Math	Middle School Math	Algebra (elective H.S. credit only)
Grade 9	Pre-Algebra (Alternative Education Course)	Algebra	Geometry
Grade 10	Algebra	Geometry	Algebra II
Grade 11	Geometry	Algebra II, Technical Math, or Financial Math	Pre-Calculus, Applied Math, Technical Math, Financial Math, or online option
Grade 12	Algebra II, Technical Math, or Financial Math	Pre-Calculus, Applied Math, Technical Math, Financial Math, or online option	Pre-Calculus, Applied Math, Technical Math, Financial Math, or online option
	The sequence above shows the slowest possible progression through the math curriculum that still prepares a student for college entrance.	The sequence above shows a possible progression through the math curriculum that still prepares a student for college entrance, allowing a student to be successful on their ACT's.	The sequence above is the fastest possible progression through the math curriculum and enables a student to take calculus during senior year.

Please Note: The University of Wisconsin system **recommends** that students complete at least one year of math with Algebra and/or Geometry as prerequisites. This means that students should select a math course that meets their specific requirements for a college or university they hope to attend. In most cases, this may mean completion of Algebra II or other similar math courses.

Many other colleges and universities, and possibly some two-year and technical colleges, have or will have the same or similar requirements. Think and plan ahead as you plan your high school program. Once students complete Geometry we have multiple options available online or through the Start College Now program.

Pre-Algebra (Alternative Education Course) Credit: 1.0 Grades 9-12
Pre-Algebra is designed to prepare students for Algebra 1. Students will perform basic operations on integers and rational numbers, as well as work on solving one and two-step equations with both integers and rational numbers. This course also covers real numbers and the Pythagorean theorem, proportions, algebra, geometry, percentages, area & volume, probability, statistics, inequalities, and linear functions.

Algebra I A & B Credit: 1.0 Grades: 8-12
Prerequisite: Teacher Recommendation *Elective credit if taken in 8th grade
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: 9-12
Prerequisite: Algebra I & Teacher Recommendation
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.

Applied Math A & B**Credit: 1.0****Grades: 11-12****Prerequisite: Algebra I, II & Geometry**

Designed for students in a broad range of career programs, this course reviews math concepts covered in previous math courses, allowing students to reinforce their understanding of basic math, elementary algebra, trigonometry, and geometry. Students will spend more time learning how to use their calculator as a tool to help facilitate learning and understanding, covering real-life situations for applied problems.

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: Teacher Recommendation****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.

Technical Math**Credit: 1.0****Grades: 10-12****Prerequisite: 2 Semesters of Tech Ed & Successful Completion of Geometry**

This course is designed to help students prepare for technical, military, or trade programs. This class will use examples and applications that could surround such fields as industrial and construction trades, electronics, agriculture, CAD/drafting, welding, auto mechanics, and others. We will cover basic arithmetic including systems of measurement, and useful applications of algebra, geometry, trigonometry, and statistics, all as they are related to technical applications, problem solving, and critical thinking. Authentic applications give students relevant mathematical examples that they are likely to encounter in future careers.

Financial Math (Online)**Credit: 1.0****Grades: 9-12****Prerequisite: None**

Connecting practical mathematical concepts to personal and business settings, Financial Math offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data.

Music

Senior High Band**Credit: 0.5****Grades: 9-12****Prerequisite: None**

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. This academic and performance class is open to anyone with musical skills. The class rehearses daily to improve students' skills and knowledge of the technique of playing an instrument, performing various styles and periods of music and music theory. Required concerts and activities are presented throughout the year as well as participating in rated festivals, participating at an individual level for solo and ensemble and performing for sporting events. Other opportunities in band include performing in the community for concerts in the park, marching parades and service to organizations and field trips to the UW-Madison Varsity Band Concert in the spring.

Senior High Choir**Credit: 0.5****Grades: 9-12****Prerequisite: None**

Choir provides students ways to express themselves in a creative manner, learn self-discipline, improve team skills, social skills, communication skills and cooperative skills. This performance class is open to everyone that can carry a tune in a bucket. The choir rehearses daily to improve vocal performance techniques, listening skills, knowledge of music theory and memorization. Music rehearsed is of various styles, genres and languages including classical literature, pop and country and contemporary a cappella. Required performances occur throughout the school year and include seasonal concerts, large and small group festivals, singing at sporting events and special events for the school and community. These mandatory events comprise part of what students will do to earn a passing grade in addition to their daily work in class for choir.

Physical Education & Health

Health

Health Education**Credit: 0.5****Grades: 9-12****Prerequisite: None**

This course is designed to help students better understand themselves and the world around them as well as how to cope with health-related issues. Topics include puberty, sexuality, tobacco, drugs, and alcohol, communicable and noncommunicable diseases, safety and first aid, social skills, life skills, character education, the importance of physical fitness, and understanding personalities. This course is heavily reliant on student participation in class discussion and project-based learning.

Physical Education

Fitness and Weight Training (FWT)**Credit: 0.5****Grades 9-12**

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. Students will be in the fitness center daily for this course and will learn proper safety and technique for weight lifting.

High School Physical Education**Credit: 0.5****Grades: 9-12**

These courses are designed in correlation to the Wisconsin standards for physical education and will include a variety of coursework to increase their physical competence, health-related fitness, self-responsibility, and enjoyment of physical activity. These courses will be leveled from within for learners at a variety of ability levels.

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

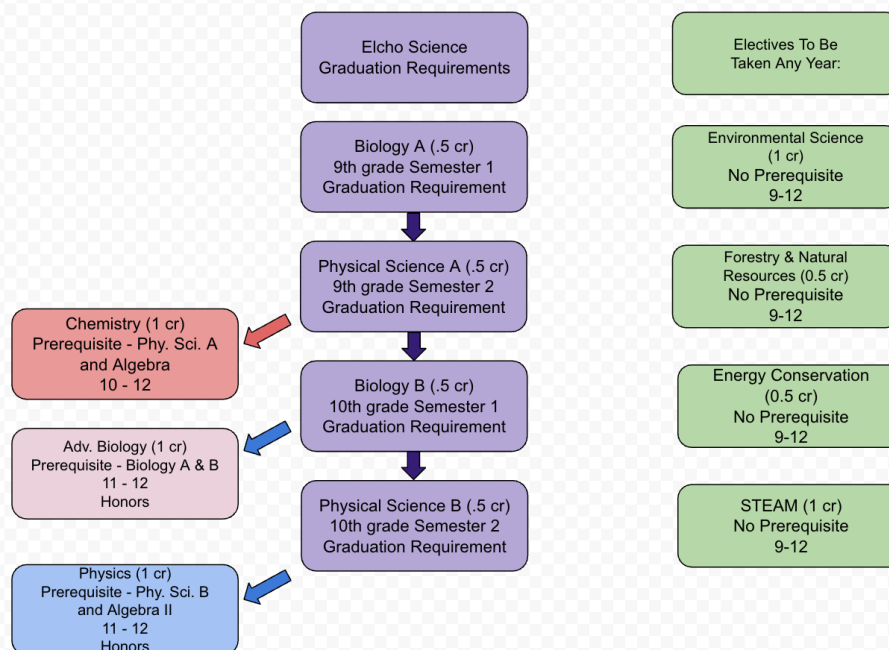
Students will be expected to participate and mentor elementary students in PE and dress accordingly for activity. Students will be graded on active participation, work ethic, attitude, attendance, and proper etiquette. This will be a semester course ending with a final written paper describing the experience and what was learned while enrolled in the course. Students wishing to take PEEP more than once will only be awarded elective credit.

Sports PE Waiver**Credit: 0.5****Grade: 11-12****Prerequisite: School Counselor Approval**

Per school policy, students who have participated in athletics for at least two seasons while enrolled in high school may be excused from 0.5 credits of the high school physical education requirement, provided they take an additional 0.5 credit in English, social studies, mathematics, or science. 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. The above information will be verified with the activities director, principal, and school counselor upon receiving parental permission.

Science

*Please Note: The University of Wisconsin system currently **requires** three (3) 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 and plan ahead** as you plan your high school program. Some of these courses will only be offered every other year.*



Note: Students can continue with additional science offerings through the Start College Now program in grades 11-12 after successful completion of Chemistry.

Advanced Biology A & B

Credit: 1.0

**Grade: 11-12
Honors**

Prerequisite: Completion of Biology A & B with a grade of B- or better

This course is designed for students who meet the honors requirement and the rigorous fast pace is designed to prepare students for college-level biology. High self-motivation is expected for students taking this course. Students will be required to do independent reading and preparation outside of class. Students will be immersed in the study of the living things that surround them, learning how life is defined and how they fit into the whole picture. It covers a wide range of biological topics, integrating laboratory investigations and the use of technology. Lab investigations will emphasize scientific inquiry, data analysis, drawing conclusions independently, and writing formal lab reports.

Biology I A

Credit: 0.5

Grade: 9

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.

Biology I B

Credit: 0.5

Grade: 10

Prerequisite: None

Students will begin learning about the smallest living organisms, moving into multicellular organisms. Starting our journey with viruses, bacteria, protists and fungi. Allowing us to better understand plant diversity, eventually learning about invertebrates and vertebrates.

Chemistry I A & B

Credit: 1.0

Grade: 10-12

Prerequisite: Physical Science A, Algebra I, Enrolled in Physical Science B

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.

Energy Conservation & Technology**Credit 0.5****Grades 9-12**

Students will explore the principles and applications of energy conservation, efficiency, and the role of emerging technologies in creating a sustainable future. Through a combination of scientific theory, practical case studies, and project-based learning, students will investigate different types of energy sources—including renewable and non-renewable—and analyze the environmental, economic, and social impacts of each. Topics include energy efficiency in buildings and transportation, sustainable energy systems, advancements in renewable energy technology, and the global challenges of transitioning to cleaner energy.

Environmental Science**Credit: 1.0****Grades: 11-12**

Environmental science will cover a broad scope of topics including the interdependence of Earth's systems, the biosphere, land, forests and soil, water, energy and resources, and choices for the future.

Forestry and Natural Resources**Credit: 0.5****Grades: 9-12**

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

Physical Science A**Credit: 0.5****Grade: 9****Prerequisite: None**

Introduction to the chemistry topics of physical science which 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.

Physical Science B**Credit: 0.5****Grade: 10****Prerequisite: None**

Introduction to the physics topics of physical science which include: energy and motion, work and machines, electricity and energy resources, and different types of waves.

Physics I A & B**Credit: 1.0****Grades: 11-12****Prerequisite: Algebra II (Completed or Enrolled) & Physical Science B****Honors***

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.

STEAM**Credit: 1.0****Grades 9-12****Prerequisite: None**

This class will dive into the topics of Science, Technology, Engineering, Art & Math to get students a base knowledge and excitement for the various fields of science. Expect hands-on learning through fun and exciting experiments and guest teachers from each department for this brand new science credit.

Social Science Department

*Students are **required** to successfully complete at least one semester of **U.S. History** and at least one semester of **American Government** to meet the Wisconsin graduation requirements. It is also a graduation requirement that students pass the Wisconsin Civics Exam which is taken during their American Government course. Students planning to further their education beyond high school are encouraged to complete four (4) credits of social science.*

Ancient World History**Credit: 1****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
Prerequisite: None

Credit: 1.0

Grades: 9-12

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.

Military History

Credit: 0.5

Grades: 9-12

Military History is a semester-long elective social studies class that studies the significance of warfare in human history. We will learn about the purposes of war and the strategies that nations have used to attain their goals. We will also study the development of technology, its impact on tactics, and its strategic implications. Throughout the class we will analyze pivotal battles, campaigns, and personalities. The human cost and effects of war on social, economic, and moral institutions will be a major focus. This class will include primary source reading, document analysis, and an in-depth individual research project.

Modern World History

Credit: 1

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.

American Government

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.

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

Residential 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.

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 troubleshoot and assess various common problems. Laboratory activities will include checking fluid levels, tire pressures and rotations, how to buy a vehicle, and 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 incorporates 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****Grades: 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.

Advanced Welding for Transcribed Credit**Credit: 1****Grades 11-12**

This course offering is for students that have previously completed Welding I, Welding II, and have received instructor approval. Students in this class will receive both high school and college credit in the area of Shielded Metal Arc Welding. Students will Develop skills in shielded metal arc welding. Learners use 6010 and 7018 "stick" electrodes to complete fillet and groove welds in all positions. Weld quality is assessed per AWS D1.1 Structural Steel Code.

Woodworking Processes I**Credit: 0.5****Grades: 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.

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 District staff to develop multimedia presentations. 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.

Teacher Aide

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.
- 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 semester, students must be performing their aide duties 70% of the time.
- Students may be an aide for no credit if they choose to count those hours towards community service. This will not count towards the community service requirements for the National Honor Society.

Independent Study Offerings

Students that wish to take an online course through the District's online education platform may do so with approval from the school counselor if they are in good standing and if the course is not offered in person that year. Students can take these courses under the supervision of the alternative education teacher without having an alternative education plan for high school credit. These courses include, but are not limited to:

- World Languages
- Financial Math
- Related coursework for Youth Apprenticeship
- Honors & Advanced Courses
- RVA Summer School Courses (will be sent to all students each Spring)

A complete list can be requested by contacting the school counselor for more information.