

Elcho High School Curriculum Guide 2023-2024

*Be your best in the Nest
...so you can thrive in the Hive!*



N11268 Antigo Street
P.O. Box 800
Elcho, WI 54428

Phone: (715) 275-3225
Fax: (715) 275-4388

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:

Scott Wilsens, PK-12 School Counselor
(715) 275-3225 Ext. 1160
swilsens@elchoschool.org

Paige Zutavern, PK-12 Principal
(715) 275-3225 Ext. 1070
pzutavern@elchoschool.org

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.

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 or during the mandated closure for COVID-19.

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 I/II	1.0	
PHYSICAL EDUCATION	1.5*	
HEALTH	0.5	
SENIOR CAPSTONE	0.5	
ELECTIVES	7.5	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. 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 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: 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 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 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 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.

Business Education

Accounting

Credit: 0.5

Grades: 9-12

Prerequisite: None

This course provides a working knowledge of basic elements and concepts of accounting systems. This includes balance sheets, income statements, worksheets, journals, and ledgers. Accounting procedures will be learned for sole proprietorships, partnerships, and corporations. Computer reinforcements and simulations will be used to simulate current accounting procedures.

Business Management

Credit: 0.5

Grades: 9-12

Prerequisite: None

Business Management is an introductory business course that looks deeply into all aspects of running an effective business. From human resources to accounting and information technology, students will get a true taste of what it takes to efficiently run a business. Students will also have the opportunity to explore what it takes to be a successful entrepreneur.

Marketing Principles

Credit: 0.5

Grades: 9-12

Prerequisite: None

Did you know that over 75% of all jobs in the US involve some aspect of marketing? This introductory course is perfect for all students who want to learn about business and marketing. Students in Marketing will gain a basic understanding of what marketing is, as well as economics and the 4 P's of Marketing. Students will learn those concepts through a variety of high energy methods such as projects, videos, activities, and traditional classroom instruction. Marketing gives students the unique ability to exercise their teamwork, creativity and business skills.

Sports & Hospitality Marketing

Credit: 0.5

Grades: 9-12

Prerequisite: None

Are you interested in a potential career in the sports entertainment or hospitality and tourism industries? Then this course is the perfect introduction to those industries. Students will look at the sports entertainment industry through the marketing lens and explore topics such as the Sports Market, Branding and Licensing, Sales, and many more. When it comes to Hospitality and Tourism students will learn about topics specific to the sports industry like restaurants, lodging, amenities, and gaming. Through work within sport specific projects like creating an expansion franchise, students will gain crucial experience to help them be successful in these industries. Lastly, with an outstanding amount of hospitality and tourism based companies in the area, students will have many chances to visit, tour, and hear from many industry professionals.

Starting a Small Business**Credit: 0.5****Grades: 9-12****Prerequisite: None**

This course will assist students in developing a better understanding and preparation for their roles as future business and community leaders. Students will be actively engaged in activities, simulations, and projects to develop a basic understanding of economics, business ownership and management, marketing, banking, savings and investments, consumer rights and responsibilities, human resources, job seeking and leadership skills, social responsibilities of businesses, and the importance of ethical decision-making in their personal and business world. Students will also be introduced to a variety of career options available to them in the business field. Students will finish this course by completing a business plan for a small business of their choosing.

English Language Arts

English 9, 10, 11, 12**Credit: 1.0 per year****Grades 9-12**

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.

AP Language and Composition A & B**Credit: 1.0****Grade: 12****Prerequisite: None****Honors*****Advanced Placement Program®**

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**Credit: 1.0****Grade: 12****Prerequisite: None****Honors*****Advanced Placement Program®**

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

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

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. 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.

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 I

Credit: 0.5

Grade: 11

Prerequisite: None

This course will be taught over two distinctly different semesters. It 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.

Personal Finance II

Credit: 0.5

Grade: 12

Prerequisite: ACP Math I

This course will be taught over two distinctly different semesters with the purpose of addressing the lack of personal financial skills that too many high school students do not possess by graduation. Among the many topics taught in this class will be; Balancing a Checkbook, Establishing a Personal and Financial Budget, Paying for Schooling or Career Training, Life skills, Investing Monies, Long-term Financial Planning, Building Credit and Managing Credit Sources, Renting v. Buying a Home and Lease v. Buying a Vehicle. The second course occurs in the second semester of senior year. Content will help students further address readiness skills as part of the Academic and Career Planning (ACP) guidelines.

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 any required courses to attend work. However, in order to remain eligible, students must maintain a 90% attendance rate and cannot have failing or near failing grades. 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. 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 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. 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.

*In order to be eligible for Youth Apprenticeship, students must maintain 90% attendance and at least a B average. This will be assessed at each grade check throughout the school year. All district requirements, such as state and local testing, class meetings, etc. must also be completed.

Mathematics

Grade 8	Middle School Math	Middle School Math	Algebra (elective H.S. credit only)
Grade 9	Integrated Math	Algebra	Geometry
Grade 10	Algebra	Geometry	Algebra II
Grade 11	Geometry	Algebra II, Technical Math, or Math for Everyday Life	Pre-Calculus, Applied Math, Technical Math, Math for Everyday Life, or online option
Grade 12	Algebra II, Technical Math, or Math for Everyday Life	Pre-Calculus, Applied Math, Technical Math, Math for Everyday Life, or online option	Pre-Calculus, Applied Math, Technical Math, Math for Everyday Life, 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 **requires** math completion of Algebra I, Geometry, and Algebra II to total 3 high school math credits, but **prefers** four years of math. 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 algebra II we have multiple options available online.

All students will need to enroll in a math course in their senior year of high school unless they meet ONE of the following exemptions:

- Successful completion (1.0 credit) of Pre-Calculus in their junior year
- Enrolled in Chemistry and/or Physics (1.0 credit) in their senior year
- Enrolled in an approved Youth Apprenticeship program in their senior year
- FastBridge results (On-Track or College Pathway) throughout their junior year
- ACT score of 19 or higher on the math subtest in their junior year

Integrated Math A & B

Credit: 1.0

Grades 9-12

Prerequisite: None

Integrated Math is designed to prepare students for Algebra 1 and Geometry. Students will study linear and exponential equations and functions. Students will use linear regression and perform data analysis. They will also learn about geometry topics such as simple proofs, congruence, and transformations.

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.

Math for Everyday Life **Credit: 1.0** **Grades: 9-12**

Prerequisite: None

Math is embedded in almost every aspect of daily life, from managing finances to computational skills. Learning to apply mathematical concepts will give you a better understanding of ordinary events and help you better appreciate the world around you.

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: 10-12****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.

Health & Nutrition**Credit: 0.5****Grades: 9-12****Prerequisite: None**

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 fitter and have fewer health problems? 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.

Physical Education

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**

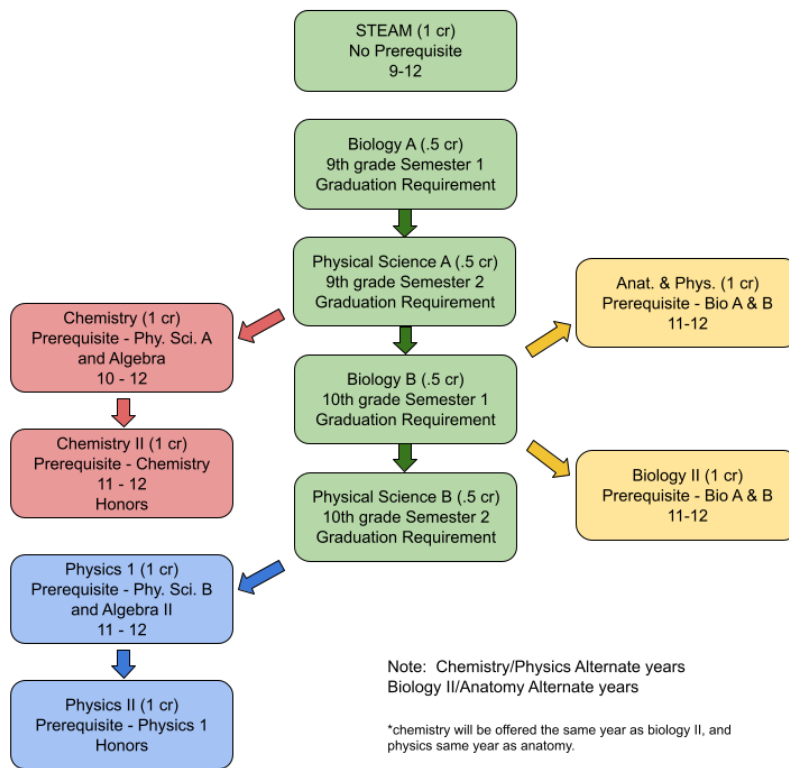
Students will be expected to participate and mentor elementary students in PE and dress accordingly for activity. Students will be graded on active participation, work ethic, attitude, attendance, and proper etiquette. This will be a semester course ending with a final written paper describing the experience 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: 10-12****Prerequisite: School Counselor Approval**

Per Policy 5460 "Graduation Requirements," Students who have participated in interscholastic athletics, for at least two (2) seasons as defined in the student handbook, while enrolled in grades nine (9), ten (10), eleven (11) and twelve (12), and as documented by the school counselor and approved by the principal, 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, science, or health education, at their choosing. 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 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.



Anatomy and Physiology A & B Prerequisite: Biology A & B

Credit: 1.0

Grades: 11-12

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.

Biology I A Prerequisite: None

Credit: 0.5

Grade: 9

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 Prerequisite: None

Credit: 0.5

Grade: 10

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.

Biology II A & B Prerequisite: Biology A & B

Credit: 1.0

Grades: 11-12

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 the 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 of the animal kingdom. It will also include Ecology and the diversity of life on Earth.

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.

Chemistry II A & B

Credit: 1.0

Grade: 11-12

Prerequisite: Chemistry I

Honors*

This course is an in-depth, more advanced teaching of the topics covered in Chemistry I, designed to prepare students for college-level Chemistry.

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

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.

Physics II A & B

Credit: 1.0

Grades: 12

Prerequisite: Algebra II (Completed or Enrolled) & Physics I A & B

Honors*

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.

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 **Political Science** to meet the Wisconsin graduation requirements. Students planning to further their education beyond high school are encouraged to complete four (4) credits of social science.

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.

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: 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.

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 may 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.

Introduction to Technology Education

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.

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.

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 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.

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 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 experience explaining what they learned. We ask that the supervising teacher sign-off on this information.
- 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.