SEVASTOPOL

HIGH SCHOOL

COURSE DESCRIPTION HANDBOOK

2025-2026

Pioneering the Next Generation

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SEVASTOPOL HIGH SCHOOL

Graduation Requirements
25 Total Credits Required for Graduation
Must include the following:

3 Credits of Science
3 Credits of Social Studies
4 Credits of English/Language Arts
3 Credits of Math
1.5 Credits of Physical Education*
.5 Credit of Health
.5 Credit of Business Life Skills

*Students who have participated in interscholastic athletics for at least a full season as defined in the handbook, while enrolled in grades 9, 10, 11 and 12 and as documented by the Athletic Director, assistant principal, guidance counselor, etc., and approved by the principal, may be excused from one-half (.5) credit of the high school physical education requirement, provided they take an additional one-half (.5) credit in english, social studies, mathematics, science, or health education, at their choosing.

Beginning with the 2025-26 school year, courses with # will be weighted on a 5.0 scale. Courses with a ^ will be weighted a 4.5 scale. See page 6 for further details.

Course Offerings

Agriculture Education
General Horticulture
Nursery and Landscaping
Floriculture (offered 2025-26)
Animal Science
Ag Engine Repair
Veterinary Science
Forestry
Wildlife Management
Wildlife II (offered 2026-27)
Turf Design and Management (offered 2026-27)

Art
Draw Anything
Drawing II
Painting Basics
#AP Studio Art (2D, 3D, Drawing)
Sculpture
Learn to be Creative
Fibers and Textiles
Computer Graphics I
Ceramics I
Ceramics II

Business Education
Financial Accounting
Introduction to Business
Marketing
Introduction to Video-Game Design (offered 2026-27)
Introduction to Computer Science
Web Technologies (offered 2025-26)
Intro to Robotics
Business Life Skills

Family and Consumer Sciences
Fundamental Foods I
Fundamental Foods II
Child Growth and Development
Housing and Interior Design (offered 2026-27)
Living on Your Own
Global Eating
Exploring Health Careers
Healthy Living (offered 2025-26)

Health
Health 9

English/Language Arts
English 9 and 10
American Literature
#AP English Literature I
#AP English Literature II
English Intervention
NWTC English Composition I
^Oral/Interpersonal Communication
Journalism – Newspaper
Journalism – Yearbook

Mathematics
Algebra I and II
Geometry
#AP Precalculus
#AP Calculus
Probability and Statistics
Mathematical Reasoning (NWTC)

Music
Band
Chorus
Music Theory I
Music Theory II

Physical Education
Physical Education 9
Competitive Team Sports
Fit For Life with Weight Training
Lifetime Activities
Weight Training I
Weight Training II

Science
Physical Science
Biology
#AP Biology
Chemistry
#AP Chemistry
Physics
#AP Physics
Human Anatomy & Physiology
Astronomy
^NWTC Medical Terminology
Geology

Social Studies
Psychology
Government
Geography
World History
American History
Economics
America and Conflict

Technology Education
Basic Machine Shop
Graphic Arts and Photography
Introduction to Drafting
Advanced Drafting
Introduction to Woods
Advanced Woodworking (offered 2026-27)
Building Construction (offered 2025-26)
How to Make Almost Anything
Metal Fabrication and Welding
CNC Milling and G-Code

World Languages
Spanish I, II, III
Spanish IV

Teacher Aide
Teacher Aide

ACT Prep
ACT Prep

Students also have an opportunity to take courses over the distance learning network and from the Wisconsin Virtual School. Online Advanced Placement courses are weighted on a 5.0 scale. Distance learning and online courses through colleges will be weighted on a 4.5 scale. See page 54 for additional information.

These course offerings change annually.

DUAL CREDIT OPTIONS

Transcribed Credit

Sevastopol High School offers Transcribed Credit courses, which are taught by Sevastopol teachers with NWTC certification. NWTC curriculum and exams are used and grades are posted to an official NWTC transcript. The grade a student receives in a transcribed course becomes part of the student's official college record. Transcribed credit agreements are transferable to other Wisconsin technical colleges and may transfer to four-year universities.

Sevastopol Course	NWTC course	NWTC Credits
NWTC Mathematical Reasoning	Mathematical Reasoning 10-804-107	3
English Composition 1	English Comp 1 10-801-136	3
Medical Terminology	Medical Terminology 10-501-101	3
Oral/Interpersonal Communications	10-801-196	3

College Credit Options

Students in grades 11 or 12 may take courses at a University of Wisconsin campus, a Wisconsin technical college, or one of the state's participating nonprofit institutions of higher education for the purpose of pursuing an advanced degree, or expanding a course of study. Students will be eligible to receive college and high school credit for completing courses at institutions of higher education provided they complete the courses and receive a passing grade. Course requests must be received in the office as part of your course registration form. Requests must be made by February 1 for the following school year. Please see Mrs. Malcore for information.

Youth Apprenticeship

Youth Apprenticeship is a unique opportunity for students to start preparing for a career while still in high school. Students who successfully complete Youth Apprenticeship hours and related coursework credits will earn the State of Wisconsin's Certificate of Occupational Proficiency. Programs can be one or two-years in length. Students can participate in junior (up to two class periods a day) and/or senior (up to four periods a day) years preparing for their future career.

Advanced Placement (AP) Courses

AP courses are college-level courses, taught with college textbooks and exams. Students can earn college credit as they enter their first year of college. In May, students take the AP exam. Scores of 3, 4, or 5 (depending on the college) can receive college credit.

AP courses give students a preview of college-level work; they are a lot of work and require much reading, writing, and problem sets. Once completed, AP courses will give you a real feeling of accomplishment. Sevastopol currently offers *AP English Literature, AP Biology, AP Chemistry, AP Physics, AP Studio Art (2D, 3D & Drawing), AP Precalculus and AP Calculus* to our students. In addition, through the ITV network and online providers, we offer additional AP courses. Please see Mrs. Malcore for further information.

WEIGHTED GRADES

Beginning with the class of 2027, Sevastopol updated the weighted grading system. Courses will fall into different categories for weighted grading (see below). Class rank will be recorded on official records based on a 5.0 Grade Point Average (GPA) scale. Weighted courses can be delivered in person and online.

Course Weighting Categories

- **Standard Courses:** 4.0 scale (A=4, B=3, C=2, D=1, F=0)
    - Examples: English 9, Geometry, Fundamental Foods 1
- **Advanced Placement (AP) Courses, Honors Courses (#):** 5.0 scale (A=5.0, B=4.0, C=3.0, D=2.0, F=0)
    - Examples: AP Precalculus, AP Psychology (online)
- **Dual Enrollment Courses(^):** 4.5 scale (A=4.5, B=3.5, C=2.5, D=1.5, F=0)
    - Examples: Medical Terminology, Accounting I, NWTC Intro to Psychology
- **AP/CAPP**: (A=5.0, B=4.0, C=3.0, D=2.0, F=0)

The following courses will no longer be weighted after the *2024-25 school year:*:

Music Theory II, Basic Machine Shop, Spanish IV

Weighted courses through the 2024-25 school year:
AP Art Studio
AP English Literature I and II
AP Calculus
Music Theory II
AP Biology
AP Chemistry
AP Physics
Basic Machine Shop
Spanish IV

Weighted courses beginning the 2025-26 school year:
AP Art Studio
AP Physics
AP English Literature I and II
NWTC Medical Terminology
Oral/Interpersonal Communication
AP Precalculus
AP Calculus
AP Biology
AP Chemistry
Online Advanced Placement courses
Online or in person college courses

Courses considered for a weighted grading scale may be revised annually.

REQUIRED COURSES

FRESHMAN REQUIRED COURSES

Required Courses:

English 9	1.0 credit
Algebra, Geometry	1.0 credit
Physical Science	1.0 credit
Geography	0.5 credit
World Studies	0.5 credit
Health	0.5 credit
PE 9	0.5 credit

SOPHOMORE REQUIRED COURSES

Required Courses:

English 10	1.0 credit
Geometry, Alg. II	1.0 credit
American History	1.0 credit
Biology	1.0 credit
PE Elective (suggested)	0.5 credit

JUNIOR REQUIRED COURSES

Required Courses:

AP or American Lit	1.0 credit
PE (Jr or Sr Year)	0.5 credit
Algebra II, NWTC Mathematical Reasoning	1.0 credit
Science Elective	1.0 credit
Government	0.5 credit

SENIOR REQUIRED COURSES

Required Courses:

AP or NWTC Eng. Comp.	1.0 credit
Business Life Skills	0.5 credit

A total of 25 credits are required to graduate – make sure you are on track!

It is each student's responsibility to make sure all credit requirements are completed for graduation.

IMPORTANT SCHEDULING POINTS TO REMEMBER

- Are you meeting the graduation requirements of Sevastopol High School?
- Are your course selections appropriate for your post-secondary plans (college, armed services, work)?
- Will your course selections make you competitive when you apply to college? Remember, technical and four-year colleges want students who have taken the most rigorous schedule possible. The minimum will no longer cut it!
- If there is a certain class you want to take in grades 11 or 12, are you taking the prerequisite class now?

Unacceptable reasons to change your schedule:

- "I want to take classes with my friends"
- "I want to have my study hall with my friends"
- "I don't want to be in the same class as _____"
- "I thought the class would be easy"
- "I don't like the teacher"

AGRICULTURE EDUCATION

Related Career Clusters:

Veterinary Science Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Animal Science 9-12	Veterinary Science 9-12 Biology 10-12 Chemistry 11-12	AP Biology 11-12 AP Chemistry 11-12	Youth Apprenticeship in **Small Animal/Vet Tech**

Natural Resource Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Animal Science 9-12 General Horticulture 9-12	Forestry 9-12 Wildlife Management 9-12 Biology 10-12 Chemistry 11-12	Wildlife II 11-12 AP Biology 11-12 AP Chemistry 11-12 Environmental Science	Youth Apprenticeship in **-Arborist -Environmental Systems: Basic and Adv. Water Resources**

Landscaping Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
General Horticulture 9-12	Nursery and Landscaping 10-12 Floriculture 10-12 Biology 10-12 Chemistry 11-12	Turf Design and Management 11-12 AP Biology 11-12 AP Chemistry 11-12 Environmental Science	Youth Apprenticeship in **-Plant Fundamentals -Landscaping**

General Horticulture
Grades 9 – 12
First Semester Course
.5 Credit
Prerequisite: None
This course is intended to teach students the basic principles of growing plants. Topics will include greenhouse structures, operations, interior plant design, pest controls, plant propagation, plant anatomy, bonsai tree pruning, vegetable, and small fruit production. The class will grow poinsettias and start plants from a wide variety of propagation methods. The use of growing media, lighting, fertilizers, and insect controls will be covered as it pertains to the Sevastopol greenhouse and its growing crops. Following the completion of General Horticulture with a C semester grade will earn a .5 credit that will count toward a Science graduation requirement. This class only counts as the third Science credit.

Nursery & Landscaping
Grades 10 – 12
Semester Course
.5 Credit
Suggested prerequisite: Intro to Drafting – (Auto CAD)
This course will utilize the school greenhouse facilities by teaching the operations and methods of growing bedding plants in a variety of growing materials. Students will grow plants to be planted around the school as well as around residential homes. Students will learn the processes and methods required to design, plan, and plant a landscape area using a variety of computer programs and manual methods to illustrate a complete landscape plan. This class will also use proper pruning and shaping techniques to help maintain school appearances. A computerized landscaping program will be included with the design work.

Floriculture
Offered 2025-26
Grades 10 – 12
Semester Course
.5 Credit
Prerequisite: None
This course will provide information regarding the history and development of the flower industry as it is used today. Proper care, processing and marketing of ornamental flowers and decorative plants will lead into the constructing and planning of arrangements, corsages, holiday arrangements, and dried plant material uses. Projects will be constructed for community facilities, school activities and functions, along with personal functions. Design principle and style will be used in design principles.

Animal Science
Grades 9 – 12
.5 Credit
Prerequisite: None
Animal Science will provide information about care and management of domestic and farm animals. This course will cover animal nutrition, health, behavior, selection, breeds, facilities, product processing, and marketing. Species of swine, cattle, horses, sheep, and poultry will include health and care of raising these animals as they relate to human needs and consumption. Specialty livestock discussed will include llamas, alpacas, bison, elk, ostriches, and emus as they relate to the livestock industry.

Ag Engine Repair
Grades 11 – 12
.5 Credit
Prerequisite: None
This course will explain basic concepts and principles of mechanical and fluid power. Small gas engines provide students with basic information of small engine construction, how the systems operate, preventive maintenance, servicing techniques, and rebuilding procedures. Each student will disassemble and reassemble a small engine supplied for the class. Once finished with the school's engine, students are encouraged to secure an older one-cylinder, gasoline engine (lawnmower type) to work on during the rest of the semester.

Veterinary Science
Grades 9 – 12
Semester Course
.5 Credit
Prerequisite: None
Veterinary Science will focus on basic principles of cell biology, taxonomy, anatomy and physiology of domestic animals and pets. Safety, nutrition, health, behavior, breeding, handling, training, grooming and types of facilities needed to raise domestic animals will be explored. During the anatomy unit a fetal pig will be dissected to help understand the parts and locations of how the systems work. Following the completion of Veterinary Science with a C semester grade will earn a .5 credit that will count toward a Science graduation requirement. This class only counts as the third Science credit.

Forestry
Grades 9 – 12
.5 Credit
Prerequisite: None
This course is intended to teach students about methods and management principles used to cultivate, harvest, and market forest crops in Wisconsin. Topics will include tree selection and regeneration, reforestation, plant anatomy, erosion controls, trail maintenance, mapping, surveying, processing methods along with equipment and tools used to produce and market a forest crop. Tree identification and anatomy will help students manage a small woodlot area. Students will be outdoors throughout the semester and will need proper clothing.

Wildlife Management
Grades 9-12
.5 Credit
Prerequisite: None
This course is intended to teach students about our wildlife species and provide management practices to better control populations and habitat needs for game birds, waterfowl, large game species and predator species found in the Midwest and Wisconsin. This course deals with the identification and management of game birds, small wildlife animals, game fish, large game animals, and endangered species. The course will also cover wildlife ethics, conservation practices, outdoor survival, safety, and current events. Wildlife management will provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domesticated animals to thrive.

Wildlife II (18504)
Offered 2026-27
Grades 11-12
Second Semester Course (Offered every other year)
.5 Credit
Prerequisite: To bring in the requested animals for the taxidermy, hide tanning and skeletal articulation units.
This course is designed to cover the management practices and policies used by Wisconsin DNR and private entities to maintain and control wildlife species in Wisconsin. The course will educate students on the balance and controls that are put in place for the benefit of wildlife species from fur-bearing animals to commercial fishing. Habitat, identification, population control and enhancement will be discussed along with other solutions for effective outcomes. Taxidermy, hide tanning and skeletal articulation will be the culminating units of the class and students will be asked to provide the animals needed for these units. Students enrolled are expected to participate in all aspects of the class.

Turf Design and Management (18054)
Offered 2026-27
Grades 11-12
Semester Course
.5 Credit
Prerequisite: None
This course will be open to students in grades 11 and 12 who wish to further develop interest in golf course design and turf management. Career opportunities will be identified and school opportunities will be discussed. Students will work as a team in developing a golf course design. Units to be covered will be types of courses, design principles, layout procedures, site selection, soil and drainage, model and scale building, types of equipment and tools, types of grasses and methods of cutting. The use of computer programs will help design the course and then will be transferred into a physical model for two of their holes designed. The model will be built to scale.

ART

Related Career Clusters:

Arts, AV Technology and Communication Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Learn to be Creative 9-12 Introduction to Video Game Design Introduction to Computer Science	Computer Graphics 9-12 Web Technologies Oral Communications Graphic Arts and Photography	Newspaper Yearbook	Youth Apprenticeship in **-Graphic Design** **-Web Design**

Visual Arts Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Draw Anything 9-12 Painting Basics 9-12 Learn to be Creative 9-12 Ceramics I 9-12	Drawing II 9-12 Sculpture 9-12 Ceramics II 9-12	AP Art and Design 9-12	

Draw Anything
Grades 9-12
Semester Course
.5 Credit
Prerequisite: None
This course is designed to develop fundamental drawing skills through a structured exploration of various drawing techniques and methods. Students will learn the basics of tracing, the grid method, and observational drawing, progressing toward a deeper understanding of edges, negative space, relationships (basic unit, proportion, and perspective), light logic, and gestalt principles. Throughout the semester, students will complete a range of projects that allow for individual creative expression while mastering technical drawing skills. Weekly sketchbook assignments will serve to reinforce in-class learning and encourage daily practice.

Drawing II
Grades 9-12
Semester Course
.5 Credit
Prerequisite: Draw Anything
Drawing 2 is designed for students who have completed Drawing 1 and are ready to build on their foundational skills with a focus on creativity, individual expression, and advanced techniques. This course encourages students to take greater ownership of their artistic decisions, experimenting with a wide range of media, techniques, and color applications. Weekly sketchbook assignments support skill growth outside the classroom and offer a pathway for students interested in pursuing Advanced Placement (AP) art courses.

Painting Basics
Grades 9-12
Semester Course
.5 Credit
Prerequisite: None
This semester-long course introduces students to the foundational techniques and materials of painting. Through a structured exploration of color theory, brush handling, and painting techniques, students will work with various mediums, including watercolor, acrylic, and oil paints. Each unit will explore the unique characteristics of these paints, their advantages, and disadvantages, along with techniques specific to each medium. Projects will allow students to exercise creativity in subject matter and composition while developing a technical understanding of painting. In addition, workspace management and safe handling of materials will be emphasized throughout the course.

**** AP Art and Design**
Grades 9-12
Semester I and II Course
1 Credit
**Weighted Course
Prerequisite: Instructor Approval. Any three previous art courses are recommended.
AP Drawing, AP 2-Dimensional Art and Design, and AP 3-Dimensional Art and Design is for the dedicated art student who is ready for the rigors of creating art at the college level. Students will dedicate the entire year to creating a Sustained Investigation portfolio (15 pieces), in which a single concept is explored in several ways. Emphasis is placed on Practice, Experimentation, and Revision. Throughout the year, students will continue to develop a mastery in materials, processes, and ideation. AP College Board scores of three or higher can earn a college credits.

Sculpture
Grades 9-12
Semester Course
.5 Credit
Prerequisite: None
The Sculpture course introduces students to three-dimensional art through various media and techniques, including both additive and subtractive methods. Students will explore the concept of "in the round" sculpture, creating pieces that are visually interesting from all angles. This course emphasizes the relationship between form and function, guiding students to think critically about the purpose and structure of their sculptures. Projects are media-inspired, covering a range of materials and techniques, from carving and molding to building with found objects.

Learn To Be Creative
Grades 9-12
Semester Course
.5 Credit
Prerequisite: None
Schools, colleges, and the workplace all demand that we be creative. It's the only way to stand out from the crowd. Companies like Apple, Pixar, and Marvel have found their unique identities and become worldwide creative powerhouses. How? With people like you. Whether you already have plenty ideas and no outlet for them, or simply want to be a free thinker who has an independent mind, take this class and see what you're made of! Projects include building an escape room, designing a board game, writing a choose-your-own-adventure book, and filming a short movie.

Computer Graphics
Grades 9 – 12
Semester Course
.5 Credit
Prerequisite: None
Computer Graphics introduces students to three essential digital tools used in creative industries: Adobe Photoshop for photo manipulation, Adobe Illustrator for graphic design, and Apple iMovie for video editing. This course is designed to give students foundational skills in each program while allowing them the creative freedom to make personal choices within guided project themes. Students will explore digital art and design, photo editing, typography, and video production. By the end of the course, students will be equipped with a portfolio of digital projects that showcase their skills in each software.

Ceramics I
Grades 9-12
Semester Course
.5 Credit
Prerequisite: None
This course is designed to introduce students to the fundamentals of ceramics, focusing on both the creative and technical aspects of working with clay. Students will learn various hand-building techniques such as pinch, slab, coil, drape, free sculpt, and the basics of wheel throwing. In addition, the course will cover clay characteristics, glazing techniques, and proper studio management, including responsibilities in clay recycling and maintaining the workspace. Throughout the semester, students will develop their artistic expression through individual projects while mastering essential skills in ceramics

Ceramics II
Grades 9-12
Semester Course
.5 Credit
Prerequisite: Ceramics I
Ceramics 2 builds upon the foundational skills learned in Ceramics 1, introducing advanced clay techniques and encouraging personal exploration within the medium. This course focuses on combining clay-making methods, honing pottery wheel skills, and expanding creative expression through sculpture. Students will learn more about glaze chemistry, develop individualized clay management practices, and gain hands-on experience with kiln operation. Through guided projects, students will deepen their understanding of clay's potential while taking on greater responsibility in the studio environment.

Graphic Arts and Photography
Grades 9 – 12
Semester Course
.5 Credit
Prerequisite: None
This semester-long course introduces students to two major art forms: Graphic Arts and Photography. The Graphic Arts section will focus on digital design techniques and production printing, while the Photography section will develop students' skills in using digital cameras and smartphones, as well as photo editing in Adobe Photoshop. Students will explore ethical considerations in digital media, learn file management, and develop technical and creative skills across both disciplines.

BUSINESS AND INFORMATION TECHNOLOGY
[Graduation Requirement – .5 Credit]

Related Career Clusters:

Arts, AV Technology and Communication Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Learn to be Creative 9-12 Introduction to Video Game Design Introduction to Computer Science	Computer Graphics I 10-12 Web Technologies Oral Communications Graphic Arts and Photography	Newspaper Yearbook	Youth Apprenticeship in **-Graphic Design** **-Web Design**

Business Management Pathway Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Introduction to Business	Business Life Skills Economics	Oral Communications Probability and Statistics	Youth Apprenticeship in **-Marketing Management**

Finance Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Personal Finance	Financial Accounting Economics	Intermediate Accounting Probability and Statistics	Youth Apprenticeship in **-Accounting** **-Banking** **-Insurance**

Information Technology/Computer Science Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Introduction to Computer Science	Intro to Robotics		Youth Apprenticeship in **-IT Broadband Technician** **-IT Essentials** **-IT Network and Security** **-IT Software and Application Development**

Marketing and Sales Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Business Life Skills Learn to be Creative	Marketing Web Technologies Psychology	Oral Communications Probability and Statistics	Youth Apprenticeship in **-Marketing Communications** **-Marketing Management** **-Marketing Research/Competitive Intelligence** **-Merchandising** **-Professional Sales.**

Financial Accounting
Grades 9 – 12
One Year Course
1 Credit
Prerequisite: None
Starting from the very beginning of Generally Accepted Accounting Principles, the language of business will be studied and applied to a variety of business transactions. The basics of bookkeeping will be introduced and studied using online and paper resources. Transactions will be analyzed, journalized, and posted to ledgers. The adjustment and closing process will be practiced as well as preparing financial statements.

Introduction to Business
Grades 9 - 12
Semester Course
.5 Credit (Repeatable)
Prerequisite: None
In this exploratory course, students will discover various fields that could form a professional career in business. Many major disciplines in business will be explored in order for students to learn about potential career paths within business and to explore personal interests. Topic areas will include economics, entrepreneurship, management, human resources, finance, marketing, e-commerce, international business, and production operations management. Emphasis for the course will be on the creation of a new business through the development of an extensive business plan that will incorporate a majority of the topics covered.

Marketing
Grades 9 - 12
Semester Course
.5 Credit (Repeatable)
Prerequisite: None
This course will expose students to the exciting and fun business career field of marketing by learning about advertising, logistics, pricing strategies, distribution, retailing, sales, product planning, marketing research, and promotion. A marketing course increases the student's ability to think critically and use creative talents while completing projects that correlate with the curriculum. Marketing is a great business field because it is lucrative and the skills can be transferred across many different types of businesses and organizations.

Introduction to Video-Game Design
Offered 2024-25
Grades 9 – 12
Semester Course (Offered every other year)
.5 Credit
Prerequisite: None
This course will provide students a peek into what designing a video game is like. Using a game creation program and online resources, students will create a series of six different video games while incorporating and learning about gaming history, game concepts such as level design, sprite properties, game events and actions, special effects, music, backgrounds, scoring systems, using variables to customize actions, conditional statements, and timers. Students will create 2D and 3D games including platform games, two-player racers, side scrolling, and first-person adventure games. More advanced topics will include creating 3D models and importing them into games, using 3D skyboxes and scenery, and use of scripts (pre-created programming code) to create advanced game features. Throughout the course, students will have the opportunity to modify the game programming and create their own unique games based on the techniques learned in class. In addition, a considerable amount of time will be spent on the history of video games, examples of different genres of video games, terminology, trends, and alternative uses.

Introduction to Computer Science
Grades 9-12
Semester Course
.5 Credit
Prerequisite: None
Students in this course will receive a basic understanding of the personal computer's internal components and information related to future trends in the industry. Emphasis will be put on details that will allow a student to troubleshoot basic problems, perform upgrades, and improve the performance of their home computers. By the end of this course, students should be able to make wise computer buying decisions as well as maintain an aging computer well beyond its typical life span. In addition to hardware, students will study the evolution of computers/Internet and receive exposure to a variety of Internet software technologies. The following topics will also be covered to some degree: security issues, networking, computer programming, and careers in the information technology field.

Web Technologies
Offered 2025-26
Grades 9-12
Semester Course (Offered every other year)
.5 Credit
Prerequisite: None
This fun course will give students the chance to create web sites using a variety of techniques. After the HTML coding language is learned, students will get to use html scripting software to help build their websites. We are on the computer creating web pages every day of this course. In addition, a large amount of the class includes manipulating images in Photoshop for use in the web sites designed. If you like being creative, using computers, and editing photos, this class is for you!

Intro to Robotics
Grades: 9-12
Semester Course
.5 Credit (Repeatable)
Prerequisite: None
Learn how to build and operate several different types of robots in addition to programming an industrial FANUC robot. Students in this class will get to build robots from kits and from scratch. Emphasis will be put on building robots in class to compete against each other doing various tasks.
In addition, students will be able to become certified in Robotic Technology through the Smart Automation Certificate Alliance. The class will be very hands-on and fun.

Business Life Skills
Grade 12
Semester Course
.5 Credit
Prerequisite: None
Required for Graduation
In this course, students will explore the various areas that are part of every adult's personal financial situation. Since the career and level of income a person earns is a large part of a person's financial situation, we spend a large amount of time working on planning for careers and education after high school. Students will learn about employability skills like how to fill out a job application, create a resume, write a cover letter, and participate in a mock interview.

Finally, the last large unit will focus on personal finance areas like basic economics, financial institutions and banking services, consumer rights and responsibilities, loans, large purchases (housing, transportation), insurance, payroll deductions, budgeting, renting, and taxes.
Emphasis will be put on avoiding common debt problems encountered by many of today's graduates as they begin their lives in college or in the workplace.

FAMILY AND CONSUMER SCIENCE

Related Career Clusters:

Education and Training Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Child Growth and Development	Psychology	Oral Communications Probability and Statistics	Youth Apprenticeship: **- Early Childhood Education** **-School Age Education**

Culinary Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Fundamental Foods I Learn to be Creative	Fundamental Foods II	Global Eating	Youth Apprenticeship in **-Food and Beverage Services** **-Lodging** **-Meetings and Events**

Human Services Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Child Growth and Development	Healthy Living Psychology	Probability and Statistics Oral Communications	Youth Apprenticeship in **-Human Resources Professional**

Health Science Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Health Exploring Health Careers Child Growth and Development	Healthy Living Psychology Biology Chemistry	Medical Terminology Anatomy and Physiology AP Biology AP Chemistry	Youth Apprenticeship in **-Medical Office** **-Nursing Assistant** **-Resident Aid**

Fundamental Foods I
Grades 9-12
Prerequisite: None
Semester Course
.5 Credit
Take the first step in food preparation. Learn basic food preparation techniques, cooking terms, reading a recipe, safety and sanitation. The class focuses on units including eggs, vegetables, grains, pasta, dairy, and baking. Students will leave this class with an understanding of how to survive in the kitchen. This is a great class for the beginning chef! This course is helpful for careers in Hospitality and Tourism.

Fundamental Foods II
Grades 9-12
Semester Course
.5 Credit
Prerequisite: Completion of Fundamental Foods 1 with a "C" average or better.
Hungry for more? This class will teach you to prepare more complex food items including meat, poultry, fish, soups, salads, desserts, and pastries. This class also looks at food-related concerns. Where does your food come from? If this course is offered 1st semester, you will learn how to process and preserve in-season produce. Students will not only be challenged to cook and bake nutritiously, but also creatively. This course is helpful for careers in Hospitality and Tourism.

Child Growth and Development
Grades 10 – 12
Semester Course
.5 Credit
Prerequisite: None
This course is helpful in preparing for parenthood, caring for children, or for a career involving children. Study the development of a child from conception through pregnancy, infancy, and through preschool years. Growth and development are studied from the social, physical, mental, and emotional aspects. Some class time will be used to observe children during the second nine weeks. This course is helpful for careers in Health Sciences, Education, and Human Services.

Housing and Interior Design
Offered in 2026-27
Grades 9 – 12
Semester Course (Offered every other year)
.5 Credit
Prerequisite: None
Everyone needs a place to live! Learn about housing styles, design principles, style, color, furniture, and floor plans. Increase your skills with hands-on projects. Explore current housing and decorating trends and apartment living concerns. This course is helpful for careers in Hospitality and Tourism, Arts and Design.

Living on Your Own
Grades 11 – 12
Semester Course
.5 Credit
Prerequisite: None
In this class, students learn skills to survive independently. The course covers finding a place to live with reasonable costs, purchasing a vehicle, basic automotive maintenance, insurance, clothing care, simple sewing, using a budget effectively, planning meals, shopping for groceries, comparing prices and learning proper food storage, setting goals, living with a roommate, and many other everyday skills. Students in this class will enjoy many hands-on activities.

Global Eating
Grades 9-12
Semester Course
.5 Credit
Prerequisite: Completion of Fundamental Foods 1 with a "C" average or better.
Global eating course explores connections between what we eat and cultures around us. As we move around the globe, this course will cover the history and topography as it relates to each region's dietary customs, cuisines and cooking methods. By investigating cultural, spiritual, and social influences on food choices, you can gain an awareness and understanding of diverse populations within our society. We may also analyze world hunger and examine personal and global changes that can be made to help combat this societal issue.

Exploring Health Careers
Grades 10-12
Semester Course
.5 Credit
Taking this course before entering the Certified Nursing Assistant Program is strongly recommended. Designed for students interested in exploring careers in the health-care field, this course provides an introduction to various health science careers. Students will gain a foundational knowledge of medical terminology, essential skills, and the roles and responsibilities of healthcare professionals. Topics include the history and technological advances in healthcare, as well as the ethical and legal aspects of healthcare work. The course also covers career opportunities in diagnostic, therapeutic, environmental, and information services within the healthcare industry. Over **20 guest speakers** from diverse healthcare professions will come to the classroom and share their experiences and insights, offering students a deeper

understanding of the wide range of career paths in health science.

Healthy Living
Offered 2025-26
Grades 10-12
Semester Course (Offered every other year)
.5 Credit
Prerequisite: Fundamental Foods I
We hear it all the time, "Eat Healthier, Obesity is on the rise, Organic, Natural." With so much information thrown at us, we need to explore what it all means and develop ways to implement it into our own lives. The Healthy Living Course will look at nutrients, food allergies, careers in health, failure with fad-dieting, substitutions, creating personalized menus, preventing and handling diseases. The Healthy Living Course will use a hands-on Lab and experience approach to assist students in learning and beginning to make the changes to a healthier life. If you aren't sure how to make the change to a healthier life or are afraid to, this class is for you. Prepare yourself to make healthy food choices after high school.

HEALTH

[Graduation Requirement – .5 Credit]

Health
Grades 9
Semester Course
.5 Credit
Required course for graduation
The purpose of this course is to help students examine their lifestyles, select goals, and make plans to achieve and maintain optimum health. Current health topics are discussed including nutrition, human growth and development, exercise and fitness, alcohol and other drugs, and community/environmental health. Students will learn to differentiate between healthful and harmful behaviors and learn how to make responsible decisions in each health area.

ENGLISH/LANGUAGE ARTS
[Graduation Requirement – 4 Credits]
[Journalism Excluded]

Related Career Clusters:

Journalism Pathway

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Newspaper	Yearbook		

English 9
Grade 9
Full Year Course
1 Credit
Required course for graduation
English 9 is required of all freshmen. It is a basic course which emphasizes the development of reading and writing skills. Grammar usage, vocabulary, spelling, and the other mechanics of reading and writing are included as is the study of literature.

English 10
Grade 10
Full Year Course
1 Credit
Prerequisite: English 9
Required course for graduation
English 10 is required of all sophomores. It is a continuation of English 9. The course will include the genres of drama, poetry, literature, grammar, and writing. A major component of English 10 is researching, organizing, and writing an argumentative essay.

American Literature
Grade 11
Full Year Course
1 Credit
Prerequisite: English 9 and English 10
Required course for graduation
American Literature is a traditional literature and composition course with emphasis on American literature. This course is based on the premise that we read literature to study the human spirit and contemplate the condition of our own lives. In books and in life, finding meaning often means sifting through complexity and ambiguity and taking an active role in making meaning out of it. A wide range of literature from classical to contemporary is used. Higher order thinking skills are practiced through writing assignments such as research biographies, research papers, college essays, comparison/contrast papers, poetry, and personal narratives.

****AP English Literature I**
Grade 11
Full Year Course
1 Credit
**Weighted Course
Prerequisite: Instructor Approval
(See AP World Literature description below.)

****AP English Literature II**
Grade 12
Full Year Course
1 Credit
*Weighted Course
Prerequisite: Instructor Approval
These Advanced Placement courses are for students who want to read and write at a high level to take and pass the AP English Literature test that is offered at the end of their senior year. Students will study the regular curriculum but be responsible for additional course work related to units covered in class. This will entail independent study, projects, and analysis of poetry, prose, and novels that go beyond what is required for other students. Criteria for Enrollment: High average in English 9 and 10, approval from English 9 and 10 instructors, average of 23 on the language and reading portion of the ACT, intrinsic motivation to work independently, a willingness to go beyond regular coursework, and a love of reading.

English Intervention
Grades 9-10 (11 & 12 will be considered when there is space)
Full Year Course
1 Credit
Prerequisite: Teacher Recommendation
Students must be recommended by a teacher in order to participate. It focuses on areas that are deemed (based on past assessments such as MAPs, ACT, ASPIRE, WKCE, Smarter Balanced, etc.) below grade level in 9th, 10th, 11th, or 12th grades. The course is designed around individual student needs. The goal is to increase student motivation and create growth in one or more areas that he/she may need in reading, writing, language, and speaking. Homework is to read every day.

Each phase of the class will include opportunities for students to dialogue with the instructors and other students. Students may participate in small group discussions and individual presentations to develop speaking skills. Although teacher guided, the class will require mainly independent work because each student will be working on his or her own plan at his or her own pace. Tasks chosen for independent work will be based on the CCSS. Each task will have at least one CCSS tied to it. Students will also participate in small group instruction at their reading level as well as individualized interventions programs.

English 12/ NWTC English Composition 1
Grade Level: 12
Full Year Course
1 Credit
Prerequisites: American Literature
Introduction to College Writing helps learners develop knowledge/skills in planning, organizing, writing, editing. Students will also analyze audience/purpose, use elements of research, format documents using standard guidelines, and develop critical reading skills. Learners are expected to master basic forms of writing as well as the fundamentals of grammar and to produce original writing throughout the course. In addition, this class addresses the following employability skills: communicate effectively, work cooperatively and professionally, think critically and creatively, solve problems effectively, value individual differences and abilities, demonstrate personal accountability, and demonstrate community and global accountability. NWTC course work will take place second semester.

This course is a transcribed credit class through NWTC. Students who take and successfully pass this class with a “C” or better will earn three credits at NWTC transferable to many other universities.

Oral/Interpersonal Communication (NWTC)
Grade 11 and 12
Semester Course
.5 Credit
Prerequisite: None
This course focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict and cultural contexts will be explored, as well as their impact on communication. Maintaining a mature and professional presence is of great academic importance.

This course is a transcribed credit class through NWTC. Students who take and successfully pass this class with a "C" or better will earn three credits at NWTC transferable to many other universities.

Newspaper
Grades 9-12
Full Year Course
1 Credit
Prerequisite: Instructor Approval Required
Journalism is a hands-on course for students interested in producing *The Chips* and Pioneer News. Students are responsible for interviewing, writing stories (news, feature, sports), and working on layout. Good communication skills are a must. Experienced members have a chance to become editors. Newspaper and Yearbook must be taken separately. You cannot take both at the same time.

Yearbook
Grades 9-12
Full Year Course
1 Credit
Prerequisite: Instructor Approval
Journalism is a hands-on course for students interested in producing the yearbook. Students learn how to do column layouts, write copy and captions, develop design skills, and become better photographers. Staff members must be able to deal with planned deadlines that appear in November, December, and February. Experienced members have an opportunity to become editors. Seniors can opt to take Yearbook first semester only. Newspaper and Yearbook must be taken separately. You cannot take both at the same time.

MATHEMATICS
[Graduation Requirement – 3 Credits]

Related Career Clusters:

Finance Pathway

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Personal Finance	Introduction to Accounting Economics	Intermediate Accounting Probability and Statistics	Youth Apprenticeship in **-Accounting** **-Banking** **-Insurance**

Engineering/STEM Pathway

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Biology Chemistry	AP Precalculus AP Biology AP Chemistry Mathematical Reasoning	Calculus	Youth Apprenticeship in **-Bioscience Lab Foundations** **-Civil Engineering** **-Engineering Drafting** **-Mechanical/Electrical Engineering** **-Architecture Planning and Drafting**

Algebra I
Grades 9 – 12
Full Year Course
1 Credit
Prerequisite: "C" average or better in 8th grade math or recommendation from 8th grade math instructor
This course is the first step to higher-level mathematics. The focus is on solving problems using equations, inequalities, basic functions, and formulas. Operations with signed numbers and polynomials will be studied as well as the graphs of equations and inequalities in one and two variables. The student will gain the math skills necessary for upper-level math classes and use these skills to solve practical problems.

Geometry
Grades 10 – 12
Full Year Course
1 Credit
Prerequisite: "C" average or better in Algebra I or Instructor Approval
This is a comprehensive study of Euclidean plane geometry centering on the basic structure of geometry, the understanding of deduction, the strengthening of algebraic skills and how they complement geometry skills, and the need for logical as well as creative thinking. Geometry is also a prerequisite for Algebra II and Chemistry.

Algebra II
Grades 11 – 12
Full Year Course
1 Credit
Prerequisite: "C" average or better in Geometry or Instructor Approval
All the topics studied in Algebra I will again be studied in Algebra II, only in greater depth. New topics studied include writing equations of lines and parabolas, solving quadratic equations, solving linear equations in three unknowns, simplifying radical expressions, solving radical equations, solving systems of quadratic equations, interpreting exponential functions and logarithms, probability and statistics, and trigonometry. Algebra II is a prerequisite for AP Precalculus and must be taken at the same time or prior to taking Chemistry.

AP Precalculus
Grades 11 – 12
Full Year Course
1 Credit
Prerequisite: "C" average or better in Algebra II or Instructor Approval
This course will extend the study of polynomial functions, rational functions, matrices, exponential, trigonometry, and logarithmic functions covered in Algebra II. In addition, it will cover sequences and series, and also an introduction to limits.

Probability and Statistics
Grades 11 – 12
Second Semester Course
.5 Credit
Prerequisite: Successful completion of two years of high school mathematics This course will cover the fundamentals of basic statistics including interpreting and creating graphs, charts, and other distributions; calculating measures of central tendency and dispersion; defining sampling; and ways of minimizing sampling error. It will also discuss the proper ways of collecting and analyzing data and how statistics can be misleading. In addition, the basics of probability will also be covered such as random variables, using probability to make predictions of real-life events, and the definitions of independent and dependent variables and events.

****AP Calculus**
Grade 12
Full Year Course
1 Credit
**Weighted Course
Prerequisite: ***Instructor Approval Required***
This course will mirror the first semester of college calculus and includes the study of basic limits, derivatives, and integrals. It is designed to meet the needs of highly motivated and talented math students preparing for a math-orientated career or further study of math at the college level. At the end of the year, students will take the Advanced Placement Exam. Passing this exam will give college credit at many universities.

NWTC Mathematical Reasoning
Grades 11 – 12
Full Year Course
1 Credit
Prerequisite: ***Instructor Approval Required*, Successful Completion of Geometry**
This course provides an alternative pathway to earning credit for a college level liberal arts mathematics course. All college students, regardless of their college major, need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. An activity based approach is used to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts.

MUSIC

Band
Grades 9-12
Full Year Course
1 Credit
Prerequisite: Middle school band and/or permission of high school band director Senior High Band is a performance-based class which meets every day. Through the class curriculum, students will be exposed to a wide variety of musical styles and genres, instrument techniques, music theory and sight–reading. Performances include but are not limited to, music concerts, athletic events, community events, graduation, etc., in which attendance is required for all events. Members of the band will have the opportunity to be involved in the Wisconsin School Music Association Solo and Ensemble and large group festival events. Individual lessons will be given throughout the year to aid in preparing for these events. Student's progress will be monitored through the Power School grade link on the school website. * Students who participate in an athletic event in which there is a conflict with a performance at the same time will not be penalized.

Choir
Grades 9-12
Full Year Course
1 Credit
Prerequisite: None
Singing is a learned skill that takes practice and time to master. High School choir is open to students of all skill levels in grades 9-12. Choir is a performance-based class, and students are expected to participate in all rehearsals and concerts. Choral, vocal, and sight-reading techniques will be studied as they apply to vocal and choral literature representing a diverse selection of musical styles and time periods. The choir may also perform various concerts for the community in addition to their regular concert schedule. Members of high school choir can expect to be part of a community of students who enjoy singing together and bettering their own vocal skill.

Music Theory I
Grades 10-12
First Semester Course
.5 Credit
Prerequisite: Must be in band or choir
Students will learn about the rudiments of music theory. Basic concepts will include intervals, time signatures, key signatures, major/minor scales, chords and chord inversions, and form. Students will discover these elements through sight-singing, keyboard playing, part writing, ear training, and composing their own music. Students will find that they are able to read and understand music better as they apply it to their rehearsal and concert settings in band and/or choir. Students planning to pursue music as a career will benefit greatly from this course.

****Music Theory II**
Grades 11-12
Second Semester Course
.5 Credit
**Weighted Course
Prerequisite: Music Theory I and must be in band or choir
Students will build on the skills learned in Music Theory 1. This class will provide additional opportunities to expand upon and apply musical concepts. Advanced theory topics will also be covered including: modes, advanced form, harmonic analysis, and composition. Discussions will be held to compare and contrast music in history. Students will compose various works throughout the course, analyze excerpts of music, and further skills in ear training. Students will compose a final work for the course. Students planning on pursuing a career in music will greatly benefit from this course. Students may attempt the AP Music Theory Exam upon completion of this course. Students enrolling in this course should also be enrolled in band or choir.

PHYSICAL EDUCATION
[Graduation requirement – 1.5 Credits]

Related Career Clusters:

Health Science Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Health Exploring Health Careers Child Growth and Development	Healthy Living Psychology Biology Chemistry	Medical Terminology Anatomy and Physiology AP Biology AP Chemistry	Youth Apprenticeship in **-Medical Office** **-Nursing Assistant** **-Resident Aid**

Physical Education
Grade 9
Full year course
.5 Credit
Flag Football Floor Hockey Pickleball Tennis Soccer Skiing Indoor Rec. Games Golf Speedball Snowshoeing Bowling Track and Field Ultimate Frisbee Winter Games Kickball Softball Lacrosse Fitness Unit Indoor Softball Field Hockey Basketball Weight Training Fitnessgram Mile Run Volleyball Badminton Ultimate Frisbee Dodgeball. Students in Grade 9 are required to take Physical Education courses. PE will run all year on an every other-day schedule in conjunction with Health. Physical fitness conditioning, fitness and health concepts, and structured team sport units with the basic fundamentals and rules will be taught to all students. Beyond Grade 9, students are required to take two additional semesters of Physical Education during either their junior or senior year. Students may take more than two additional courses but may not enroll in more than one course per semester. Classes run every day for one semester. Students are allowed to select a Physical Education area of their interest.

Competitive Team Sports
Grades 10-12
First Semester Course
.5 Credit
Prerequisite: None
Mile Run Lacrosse Badminton Flag Football Basketball Pickleball Soccer Volleyball
Softball Speedball Dodgeball Floor Hockey Ultimate Frisbee

This class is geared for the more competitive, high-energy student. Students will then engage in a variety of team sports and lifetime activities to help increase skill and increase/maintain current fitness level. The first 9 weeks will include flag football, soccer, speedball, ultimate Frisbee, lacrosse and softball. The 2nd 9 weeks will include basketball, volleyball, dodgeball, floor hockey, badminton, pickleball, and winter games.

Fit For Life with Weight Training
Grades 10 – 12
First Semester Course
.5 Credit
Prerequisite: None
This unit is designed for those who want to run and work-out on a daily basis. Cardiovascular conditioning, developing muscle tone, and muscle endurance will be the emphasis of this unit. Activities will include running, interval training, weight training, station workouts, aerobic activities, snowshoeing, and skiing. Lecture activities will include understanding of the human body, nutrition, and total body wellness. All students will be pre and post-tested on their fitness levels and percent body fat. All ability levels are encouraged to sign up for this class. A willingness to push oneself to make physical improvement is important.

Lifetime Activities
Grades 10-12
Second Semester Course
.5 Credit
Prerequisite: None
Mile Run/Walk, Fitness Unit, Archery, Volleyball, Weight Training, Tennis,
Skiing, Badminton, Golf,
Snowshoeing, Pickleball, Indoor Rec. Games, Fitnessgram, Winter Games, Bowling.
Lifetime Activities emphasizes both fitness activities and lifetime activities. Students participate in daily workouts including cardiovascular conditioning and core training exercises. Along with fitness activities, students will engage in a variety of lifetime activities helping to increase/maintain their fitness level.

Weight Training I
Grades 10 – 12
Semester Course (Offered in both semesters)
.5 Credit
Prerequisite: None
This class will introduce several weight-training theories and programs that are designed to improve overall body strength. Testing and monitoring of each student will provide accurate and valid measurement of strength gains. Each student will be assessed and individualize a program for specific sports or activities.

Weight Training II
Grades 10 – 12
Semester Course (offered in both semesters)
.5 Credit
Prerequisite: Weight Training I and Instructor Approval
Students in this class will design a specific weight training program to improve a skill-related fitness aspect used in the sport of their choice. Each athlete will pre-test, goal-set, and post-test to check the validity of the self-designed program. Students in this class can also design a specific program based on their Fitnessgram scores in order to achieve specific fitness goals.

SCIENCE
[Graduation Requirement – 3 Credits]

Related Career Clusters:

Health Science Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Health Exploring Health Careers Child Growth and Development	Healthy Living Psychology Biology Chemistry Physics	Medical Terminology Anatomy and Physiology AP Biology AP Chemistry AP Physics	Youth Apprenticeship in **-Medical Office** **-Nursing Assistant** **-Resident Aid**

Engineering/STEM Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Biology Physical Science	Pre Calculus Mathematical Reasoning Chemistry Physics	Calculus AP Biology AP Chemistry AP Physics	Youth Apprenticeship in **-Bioscience Lab Foundations** **-Civil Engineering** **-Engineering Drafting** **-Mechanical/Electrical Engineering** **-Architecture Planning and Drafting**

Physical Science
Grade 9
Full Year Course
1 Credit
Prerequisite: None
Required freshman year
This course provides students with the background, knowledge, and skills necessary to become informed citizens so they can participate in, and understand, future discussions regarding basic principles of physics and chemistry. Topics include scientific method, measurement, motion and forces, energy, waves, matter, chemical reactions, and applications of chemistry. This course will cover all appropriate Next Generation Science Standards related to the Physical Sciences.

Biology
Grade 10
Full Year Course
1 Credit
Prerequisite: None
Required sophomore year
In this sophomore level course, students will be exposed to the fundamentals of biology, the study of life. Along with core content knowledge, students will also gain experience using tools and techniques applicable to the sciences. Through integrated discovery learning, students will gain the process skills and prerequisite knowledge they need to help them succeed in both higher-level science classes and beyond the classroom. Through the year, we will be examining topics such as the scientific method, characteristics and classification of life, ecology, energy transfer, cellular machinery, mitosis and meiosis, genetics, adaptation, and evolution.

****AP Biology**
Grade 12
Full Year Course
1 Credit
**Weighted Course
Prerequisites: Three years of science, including Chemistry, with a "B" average or better. Instructor Approval Required
AP Biology is a yearlong course that is designed to be taken by students after the successful completion of both high school biology and chemistry. AP Biology includes those topics regularly covered in a college introductory biology course and differs significantly from the standards-based, high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of the students. The textbook used by AP Biology is also used by college biology majors and the kinds of labs done by AP students are equivalent to those done by college students. AP Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course is designed to prepare students for the Biology College Board Advanced Placement Exam.

Chemistry
Grades 10-12
Full Year Course
1 Credit
Prerequisites: : "C" or better in both semesters of Physical Science and Geometry.
Instructor Approval Required
This course is designed to cover in depth the basic principles of chemistry and prepare students for college level chemistry. These topics include measurement, matter and change, chemical compounds and formulas, chemical composition, chemical reactions, stoichiometry of chemical reactions, gasses, solutions, acids and bases, atomic theory and periodic table, chemical bonding. This course is laboratory based and focuses on development of critical thinking and problem-solving skills.

****AP Chemistry**
Grades 11-12
Full Year Course
**Weighted Course
Prerequisites: "C" or better in both semesters of Chemistry and Algebra II.
Instructor Approval Required
The AP Chemistry course is a course designed to be the equivalent of a first-year college chemistry course and will follow a syllabus approved by the College Board. The course pace and outside of class workload is much greater than high school chemistry. Many topics are extensions of high school Chemistry skills, and an assignment will be provided to retain and reinforce those skills over the summer. AP Chemistry Topics will include atomic theory, atomic structure, chemical bonding, gases, solutions, acids-bases, redox reactions, stoichiometry, equilibrium, kinetics, thermodynamics, and electrochemistry. This course will cover all appropriate AP standards. Successful completion of this course and the AP exam may lead to college credit and/or advanced placement at many universities.

Physics
Grades 10-12
Full Year Course
1 Credit
Prerequisites:"C" or better in both semesters of Physical Science and Algebra II.
Instructor Approval Required
This course is designed to cover in depth the basic principles of physics. The topics include 1-dimensional kinematics, 2-dimensional kinematics, forces and Newton's laws, momentum, work and energy, rotation and torque, heat, fluids, waves, sound, and light. This course is laboratory based and focuses on the development of independent thinking and problem-solving skills to help students prepare for college.

****AP Physics 1/AP Physics C - Mechanics**
Grades 10-12
Full Year Course
1 Credit
**Weighted Course
Prerequisites: Pre-Calculus (Concurrent) – AP Physics 1, Calculus (Concurrent) –AP Physics C.
Instructor Approval Required
AP Physics is designed to be the equivalent of a first semester physics course in college and will follow a syllabus approved by the College Board. Topics include kinematics, Newton's laws of motion, gravitation and circular motion, work, energy, power, linear momentum, torque and rotational motion, and oscillations. Laboratory work is a required and significant part of the course. Problem solving and independent thinking skills are essential and will be developed. AP Physics 1 requires a strong algebra/trigonometry background. AP Physics C requires the use of basic calculus. This course will cover all appropriate AP standards. Successful completion of this course and the AP exam may lead to college credit and/or advanced placement at many universities.

Human Anatomy & Physiology
Grades 11-12
Full Year Course
1 Credit
Prerequisite: Completing Biology and Chemistry with a C- or better (or taking currently) This course explores the structure (anatomy) and function (physiology) of the human body. A system's approach to the human body will be emphasized. There will be a strong lab component to develop laboratory dissection techniques. This course is beneficial for anyone considering a career in the health fields including nursing, pharmacy, physical therapy and sports medicine. Please note that this course will use fetal pigs as specimens to explore in the laboratory. Students will also visit the NWTC campus to observe cadavers.

Astronomy
Grades 10-12
Second Semester Course
.5 Credit
Prerequisite: "D" average or better in Physical Science
We live in a universe full of wonders. Each planet, star and galaxy is strange: different from each other, with secrets and questions that we are only now finding answers to. The universe probes us to ask questions like: For how long will the Sun keep shining and what will happen to it when it dies? What are black holes and how can they form? What makes Earth different from all the other planets? Will asteroids or comets collide with the Earth again? What does water on Mars really mean? What is a solar eclipse like? All these questions and more will be the topic of this Astronomy Course. This course does not include a laboratory emphasis but does include a large amount of presentations.

NWTC Medical Terminology
Grades 11-12
Semester credits: HS-.75 College-3
Prerequisites: Successful completion of physical science and biology, junior or senior standing
Medical Terminology focuses on the component parts of medical terms: prefixes, suffixes, and root words. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. This dual credit class is appropriate for those interested in pursuing a career in a medical field.

Geology
Grades 10-12
First Semester Course
.5 Credit
Prerequisite: C or better in Physical Science
In this course, you will study earth-based geological phenomena including but not limited to: Plate tectonics, Volcanoes, Earthquakes, Rocks and The Rock cycle, Minerals, Weathering and Soil, Erosion and Deposition, Hydrology, Fossils and Fossil record. We will discuss that government policies can dictate how our natural resources are used, as well as how societies are affected by the geology around them. This course will include both lecture and laboratory emphasis. Weather permitting, one field trip will be taken to explore the unique Door County Geology.

SOCIAL STUDIES
[Graduation Requirement – 3.0 Credits]

Related Career Clusters:

Government and Public Administration Pathway

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Government Introduction to Business Business Life Skills	Economics Psychology	Oral Communication Probability and Statistics	

Human Services Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Child Growth and Development	Healthy Living Psychology	Probability and Statistics	Youth Apprenticeship in **-Human Resources Professional**

Finance Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Personal Finance	Introduction to Accounting Economics	Intermediate Accounting Probability and Statistics	Youth Apprenticeship in **-Accounting** **-Banking** **-Insurance**

Psychology
Grades 11-12
Semester Course
.5 Credit
Prerequisite: None
Psychology is the science of the mind and human behavior. The goal of this course is to provide students with an introduction to the field of psychology. It is a fast-paced course and covers an array of topics such as the different fields of psychology, methods of research, anatomy and functions of the human brain, sensation and perception, learning and memory, sleep and dreams, psychological disorders, and much more. Students planning on continuing their education after high school are encouraged to take this course, especially if entering the medical field.

Government/Civics
Grade 11
Semester Course
.5 Credit
Prerequisite: None
Required course for graduation
This course will primarily focus on the government of the United States (a democratic republic), which includes the study of the three levels (federal, state, and local) as well as the three branches (executive, legislative, and judicial) of our government. Other topics covered include alternative forms of government and their pros and cons, the role of government in regards to different economic systems, America's involvement in the Cold War, political ideology and political parties, voting and elections, and the criminal justice system. A great deal of material covered in eighth grade early American history will be connected and applied to this course.

Geography
Grade 9
Semester Course
.5 Credit
Prerequisite: None
Required course for graduation during freshman year
This course is a blend of both physical geography and human geography. The major cultural regions of the world are studied including their historical roots, cultural characteristics, and physical environments. Human/land relationships are examined, current events from a geographical perspective are analyzed, and the future of spaceship earth is discussed. Practical skills such as map reading and weather predictions are stressed along with an introduction to the sports of orienteering, geocaching games. Projects, simulations, and World Wide Web (WWW) research are an integral part of the course. The first semester concentrates on big themes (e.g. demography, culture, physical landscapes, etc). In the last semester the focus shifts to regional studies and projects.

World Studies
Grades 9
Semester Course
.5 Credit
Prerequisite: None
Required course for graduation during freshman year
This course is designed to give students a better understanding of both the ancient and modern world. Topics covered include humankind's progression from hunter/gather to innovations that led to early cities and eventually civilizations. Other topics include world religions and their impact on human culture and world history as well as the connection between historical events and current events.

American History
Grade 10
Full Year Course
1 Credit
Prerequisite: None
Required course for graduation sophomore year
This course will cover the history of the United States from pre-Columbus to the present with emphasis placed on the 19th and 20th centuries (since Reconstruction). In order to cover America's history in one year, current events will be used to relate the present with the past and help understand the nation's future. Furthermore, the class will focus on reoccurring themes to connect the present with the past. Units for this class include The Founding of Our Nation, The Rise of Nationalism and Manifest Destiny, A Nation Divided and the Civil War, Reconstruction, The Progressive Era, World War I, The Interwar Years, World War II, The Cold War, The 1960s, The End of the 20th Century.

Economics
Grades 11 – 12
First Semester Course
.5 Credit
Prerequisite: None
Have you ever wondered how the stock market works, or why there are taxes, inflation, interest rate changes, boom times, slumps and jobs lost overseas? In this one semester course these and other mysteries of our complex economic system are unraveled. We learn economic theories, but it is the practical, actual, everyday applications of economics that are the focus of the course. Emphasis is placed on the individual's role as producer, consumer, saver, and taxpayer in relation to the mixed marked economic system. Studying real world economics is dynamic and exciting. We do a lot of simulations, internet research, games and projects to supplement the textbook/video lessons. Everyone in this class competes in the annual statewide stock market game.

America and Conflict
Grade 9-12
Semester Course
.5 Credit
Prerequisites: None
America and Conflict is a course dedicated to the discussion and knowledge of American conflicts and how they shaped American ideals (rights, liberty, opportunity, equality, and democracy). In this class we will focus our attention on major American conflicts. In addition, we will focus on how the conflicts shaped and changed America and the people who fought it. This class is dedicated to helping students understand the basics of each of these conflicts because these are the conflicts that are not discussed in depth in your regular classes. Students will complete a term paper researching an aspect of a conflict that shaped American ideals.

TECHNOLOGY EDUCATION

Related Career Clusters:

Architecture and Construction Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Introduction to Woods Introduction to Drafting	Advanced Drafting Advanced Woodworking	Building and Construction	Youth Apprenticeship **-Architectural Drafting and Planning** **-Carpentry Fundamentals** **-Heavy Equipment Operator and Operating Engineer** **-Masonry/Concrete Fundamentals** **-Mechanical/HVAC Fundamentals** **-Plumbing/SprinklerFitting Fundamentals**

Arts, AV Technology and Communication Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Learn to be Creative 9-12 Introduction to Video Game Design Introduction to Computer Science	Computer Graphics I 10-12 Web Technologies Oral Communications Graphic Arts and Photography	Newspaper Yearbook	Youth Apprenticeship in **-Graphic Design** **-Web Design**

Manufacturing Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Basic Machine Shop	Metal Fabrication and Welding	CNC Machining G-Code	Youth Apprenticeship in **-Assembly and Packaging -Electromechanical/Mechatronics -Industrial Equipment -Machining -Manufacturing -Manufacturing Processes -Production Operations -Welding**

Engineering/STEM Course Sequence

Introductory	Intermediate	Advanced	Capstone/Work Based Learning
Biology Chemistry	Pre Calculus AP Biology AP Chemistry Mathematical Reasoning	Calculus	Youth Apprenticeship in **-Bioscience Lab Foundations -Civil Engineering -Engineering Drafting -Mechanical/Electrical Engineering -Architecture Planning and Drafting**

Basic Machine Shop
Grades 10 – 12
Semester Course
.5 Credit
Prerequisite: None
Students will use milling machines, drills, lathes, and other precision machine tools to produce parts in accordance to drawings. Students will use precision measuring tools to check their parts and verify that they are within tolerance ranges. Material composition will be studied with emphasis on selecting the appropriate speeds and feeds along with the correct cutting tool for each operation. Students will demonstrate safe work habits while completing projects.

Graphic Arts and Photography
Grades 9 – 12
Semester Course
.5 Credit
Prerequisite: None
Learn about America's third largest industry Graphic Arts and Photography. This course is designed to introduce students to the fun career possibilities in graphic arts, printing, and photography. Students can expect instruction and hands on experiences in: 1) digital photography, 2) screen printing, 3) computer design software programs (Adobe Photoshop and Adobe Indesign), 4) computer page layout, 5) ortho film darkroom procedures, 6) offset printing press operations and, 7) color printing processes. Students will create a variety of projects including memo pads, advertisements, a t-shirt, a photography poster, and a free choice project.

Introduction to Drafting
Grades 9 – 12
Semester Course
.5 Credit
Prerequisite: None
This class will introduce students to the advantages and possibilities associated to the world of drafting. High-powered careers are created with knowledge of drafting skills including Engineering, Interior Design, Building and Construction trades. The possibilities are endless and this class will introduce you to the basic skills required to establish a base of valuable information. Students can expect to use desktop and computer drafting to create projects that will highlight the major forms of drafting used today. Projects will lend themselves to student experiences in isometric, oblique, and orthographic projection. These skills will be used to create architectural and mechanical drawings in a fun, interactive way.

Advanced Drafting
Grades 10 – 12
Semester Course
.5 Credit
Prerequisite: Introduction to Drafting or How To Make Almost Anything
Auto CAD skills will be refined with exploration into the use of Inventor and Revit. Students that want to be on the cutting edge by understanding and using software that drives many engineering and industrial facilities can experience the possibilities of this three-dimensional software. This class is a continuation of the Introduction to Drafting course but will offer many more student possibilities in designing three-dimensional architectural and mechanical drawings. Students will experience what it takes to form blueprints for a home and specifications and tolerances for an intricate mechanical assembly by drawing them on the computer

Introduction to Woods
Grades 9 – 12
Semester Course
.5 Credit
Prerequisite: None
This course provides students with an opportunity to learn basic woodworking and manufacturing skills. In this class students will experience worldly practices related to basic woodworking and manufacturing. Students should expect hand-on projects that will teach them how to use tools, design, drafting, and layout skills to make woods projects with an emphasis on safety. This class may lead students to further experiences in precision woodworking, manufacturing, construction or other woodworking trades.

Advanced Woodworking
Offered 2026-27
Grades 10 – 12
Semester Course (offered every other year)
.5 Credit
Prerequisite: Introduction to Woods
Advanced Woodworking is a continuation of Introduction to Woods that will focus on precision woodworking and layout skills. Students will be guided through advanced projects that will incorporate joinery and finishing skills. This class will try to help students develop the finer woodworking skills vital for industrial trades like construction finishing work, and cabinetry. Students will use both traditional wood working machines and tools as well as CNC Technology. Students can also expect to learn how all of these skills apply to area businesses and methods for achieving and developing careers in this area. With the completion of this class, students can expect to take home class woodworking projects and a self-paced project.

Building Construction
Offered 2025-2026
Grades 10 – 12
Semester Course (offered every other year)
.5 Credit
Prerequisite: Introduction to Woods
This course will introduce students to the basic skills related to construction. Students can expect to learn about floor, wall, and roof construction. Concepts are explained and studied through hands-on construction of a building. This class will offer the basic skills needed for the development of future experiences. Throughout this class students can expect to use tools required for the building and finishing of a home.

How to Make Almost Anything (New Fab Lab)
Grades: 9-12
Semester Course
.5 Credit
Prerequisites: None
A maker is someone who chooses to make things of their own choosing instead of going to a store to buy things that may or may not fit their specific needs. "Making" involves a willingness to take risks and try something new, not being afraid to not get it right the first time, and to experience the joy of success. This course will help you build many of the making skills employers are looking for. The engineering design process is the model for all the making that occurs in this course. Students use this process as a model for creating something on all the technologies available in the Fab Lab including: Adobe Illustrator, Aspire, SolidWorks, Epilog lasers, 3D printers, vinyl cutters, CNC mills, ezRouter and ezPlasma among others. Additionally students use the digitizer and MicroScribe to reverse engineer things.

Metal Fabrication and Welding
Grade 11 – 12
Second Semester Course
.5 Credit
Prerequisite: None
During this one semester course, topics in the area of metal fabrication such as oxy-acetylene welding, arc welding, mig welding, sheet metal fabrication, and basic metallurgy will be explored. Career possibilities will be covered as well as safety in each of the areas. Projects will be selected to allow students to utilize their creative talents. Each student will be required to complete four projects, the fifth project will be one of choice or assigned. Students will complete basic welding procedures and positions for arc, gas, MIG, and TIG welding.

CNC Milling and G-Code
Grades 9-12
Semester Course
Prerequisite: Basic Machine Shop
Students will learn shop safety around CNC milling machines, CNC basics, Cartesian coordinate systems, CNC milling controls and preparing basic G-Code milling programs. This NWTC-based course is an introduction into operating manufacturing machinery and is a great compliment to Basic Machine Shop (although neither is a prerequisite of the other).

WORLD LANGUAGES

Spanish I
Grades 9 – 12 Full Year Course 1 Credit

Spanish II
Grades 9 – 12
Full Year Course
1 Credit
Prerequisite: Exploratory Spanish highly Recommended (Middle School)
Prerequisite: Completion of each semester with a "C" average or better to continue.

Spanish III
Grades 10 – 12
Full Year Course
1 Credit
Prerequisite: Spanish II
Prerequisite: Spanish I
Prerequisite: Completion of each semester with a "C" average or better to continue.

****Spanish IV**
Grade 11-12
Full Year Course
1 Credit
****Weighted Course Prerequisite: Spanish III**
Prerequisite: Completion of each semester with a "C" average or better to continue.

El español – it's not just for the college-bound student anymore! Proficiency in a second language is a necessary 21st century skill.

In all four levels of the Spanish classes students will learn to speak, read, write, and comprehend Spanish in a culturally authentic manner, and look beyond the classroom at real life in the Spanish speaking world. They will use Spanish to engage in meaningful everyday conversations. Students will also connect and understand real-life application of their language learning to other academic disciplines such as art, geography, history, etc. Not only will language learners acquire academic skills, they will learn problem solving, survival, and employment skills to be able to communicate using authentic language. Students will learn about culture and use language to obtain and communicate information crossing several disciplines using a wide variety of resources including the internet, newspaper, magazines, movies, and libraries. The Spanish curriculum addresses the NCSSFL-ACTFL Can-Do statements outlining proficiency-based performance indicators and the 2019 Wisconsin standards for World Languages.

TEACHER AIDE

Teacher Aide
Grade 12
No Credit
Prerequisite: 19 credits at the end of grade 11.
Teacher aides assist faculty in grades K – 12 with various tasks. **Students who chose to be a teacher aide cannot sign up for study hall.** Study hall time can be worked out with the teacher you are assigned to. Teacher aide assignments are coordinated through Mrs. Malcore. Students may be placed with elementary, middle, or high school teachers. Although no credit is issued, teacher aide does appear on the transcript

ACT PREP

ACT Prep
Grades 11
First Semester Course
.5 Credit
This online course, *offered end of September to March*, is designed to assist students in more thoroughly preparing their college and career readiness skills as measured by the ACT. The course begins with a pre-assessment designed to measure student readiness in each area tested on the ACT (reading, English, math, science reasoning) followed by lessons and quizzes designed to enhance student preparedness. The course finishes with students participating in the completion of a full-length ACT examination. Students will earn a PASS grade and .5 elective credits for successful completion (90% of tasks completed) or no credit unsuccessful completion (less than 90% of tasks complete). Unsuccessful completion will not show on a student's transcript. ***This course is completed on the student's own time (not a scheduled class hour), but is supported by school staff.***

Online Learning Opportunities

Online courses give students the opportunity to take courses which are not currently offered at Sevastopol. In addition, our students have the opportunity to take courses in their career interest area. Classes vary from year to year and a schedule will not be finalized until spring 2025. *Juniors and seniors can register for these courses if they meet the prerequisites.* **Interested students need to state their interests on their registration form. Students may not sign up for these courses after course registration.**

****All students must see Mrs. Malcore to discuss Distance Learning and online course options, before they can register! ****

POTENTIAL NWTC COURSES

Below is a sample list of potential **NWTC** offerings for the 2025-2026 school year available to juniors or seniors. These classes may be used for college credit at NWTC or any technical college. College courses are weighted on a 4.5 scale.

Principles of Marketing
Nursing Assistant
Introduction to Psychology
Diversity Studies
Business Principles
Introduction to Sociology
College 101
Nursing Assistant

ONLINE COURSES

Sevastopol offers online courses through a number of internet sites. The purpose of online courses is to give additional class options to our students or to help students make up credits they are missing. Classes have to be taken at school, but may be taken before or after school. Attendance is taken. ONLINE COURSES ARE NOT FOR EVERYONE! Students who can work well independently, are self-motivated and know how to manage their time will be allowed to take online courses. **Those interested must meet with Mrs. Malcore before registering for any online course. Interested students need to state their interests on their registration form in order to take an online course.**

Online course eligibility guidelines:

- Applicant must be a junior or senior
- This *Online Course Application* must be turned in by annual due date with required signatures
- The online course(s) being requested is/are not offered in-person at Sevastopol
- Student applying must have passed all classes in prior semester or school year with a C or better
- Student applying has a cumulative GPA of 3.0 or greater
- Student applying has no behavior referrals reported from prior semester or school year
- No more than two elective online courses can be taken per semester unless extenuating circumstances are presented to the high school principal for approval

Some courses include:
World Religions
Anthropology
Japanese I, II
Creative Writing
Chinese I, II
German I, II

Advertising and Sales
Biotechnology
French
Careers in Criminal Justice
Early Childhood Education
Marine Science
National Security
Computer Science Principles
International Business
Fashion and Interior Design
Entrepreneurship
Gothic Literature

AP Online courses (weighted on a 5.0 scale)
**One semester course*

AP Art History
AP Macroeconomics*
AP Computer Science A
AP English Language
AP Human Geography
AP Psychology
AP Statistics
AP US Government & Politics
AP Comparative Government*
AP Microeconomics*
AP Computer Science Principles
AP US History
AP Environmental Science