

SEVASTOPOL HIGH  
SCHOOL  
COURSE DESCRIPTION  
HANDBOOK  
2023-2024



PLAN, ACTION, SUCCESS

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### **NONDISCRIMINATION POLICY**

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

The School District shall provide appropriate educational services or programs for students who have been identified as having a handicap or disability, regardless of the nature or severity of the handicap or disability. The School District shall also provide for a reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements.

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

Any questions concerning this policy should be directed to:

Mr. Kyle Luedtke, District Administrator  
School District of Sevastopol  
4550 Highway 57  
Sturgeon Bay, WI 54235  
(920) 743-6282 ext. 1103

## SEVASTOPOL HIGH SCHOOL

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

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

<sup>^</sup>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.

Courses with an \*\* are weighted courses. Grade calculations for these courses will be on a 5.0 scale starting with the class of 2022. Courses that are underlined are offered on a rotating every other year basis.

### Course Offerings

#### **Agriculture Education**

General Horticulture

Nursery and Landscaping

Floriculture (offered 2023-24)

Animal Science

Ag Engine Repair

Veterinary Science

Forestry

Wildlife Management

Wildlife II (offered 2024-25)

Turf Design and Management (offered 2024-25)

#### **Art**

Draw Anything

Drawing II

Painting Basics

\*\*AP Studio Art (2D, 3D, Drawing)

Arts and Crafts (offered 2023-24)

3-Dimensional Sculpture (offered 2024-25)

Learn to be Creative

Fibers and Textiles

Computer Graphics I

Ceramics I

Ceramics II (offered 2023-24)

#### **Business Education**

Introduction to Accounting

Intermediate Accounting

Introduction to Business

Marketing

Introduction to Video-Game Design (offered 2024-25)

Introduction to Computer Science

Web Technologies (offered 2023-24)

Intro to Robotics

Business Life Skills

\*\*Personal Finance (CAPP)

#### **Family and Consumer Sciences**

Fundamental Foods I

Fundamental Foods II

Child Growth and Development

Housing and Interior Design (offered 2024-25)

Living on Your Own

Global Eating

Exploring Health Careers

Healthy Living (offered 2023-24)

#### **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 Communications (CAPP)  
Journalism – Newspaper  
Journalism – Yearbook

**Mathematics**  
Algebra I and II  
Geometry  
Pre-Calculus (with CAPP option)  
**\*\*AP Calculus (with CAPP option)**  
Probability and Statistics (with CAPP option)  
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  
Environmental Science

**Social Studies**  
Psychology  
Government  
Geography  
World Studies  
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 2024-25)  
Building Construction (offered 2023-24)  
How to Make Almost Anything  
Metal Fabrication and Welding  
CNC Milling and G-Code  
CNC Machining Pathway (NWTC Transcribed)

**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. 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.

<u>Sevastopol Course</u>	<u>NWTC course</u>	<u>NWTC Credits</u>
NWTC Mathematical Reasoning	Mathematical Reasoning 10-804-107	3
English Composition 1	English Comp 1 10-801-136	3
CNC Milling and G-Code	CNC Milling and G-Code 31-420-363	2
Medical Terminology	Medical Terminology 10-501-101	3
CNC Machining Pathway	Multiple	16

### *Cooperative Academic Partnership Program (CAPP)*

CAPP is a UW Oshkosh program with participating high schools to provide high school students an opportunity to earn college credit while in high school. It is a concurrent enrollment program, meaning courses are taught by certified high school teachers who hold adjunct lecturer status with UW Oshkosh. Students receive both high school and college credit for their work. *Sevastopol currently offers: Oral Communications, Pre-Calculus, Personal Finance, Probability and Statistics, Calculus I, and Fundamentals of Engineering Technology.*

**\*\*CAPP Eligibility Guidelines:** Students must meet the following requirements to apply for a CAPP course: be of junior or senior standing and meet at least one of the following requirements, class rank in the top 25 percent, or GPA of 3.25 or above, or ACT score of 24 or higher and at least one of the following: class rank in the top 50 percent or GPA of 2.75 or above. Math courses require taking and passing a UW placement exam.

### *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 further information.

### *Youth Apprenticeship*

Youth Apprenticeships are unique opportunities for juniors and seniors to start preparing for a career while still in high school. One or two-year programs combine courses in your career pathway and work-based learning from an employer. The student will be away from his/her high school for two to four periods of their junior and senior years preparing for their future career. *Students who successfully complete a Youth Apprenticeship program will earn the State of Wisconsin's Certificate of Occupational Proficiency.*

### ***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. They will give you a real feeling of accomplishment when you are finished. Sevastopol currently offers *AP English Literature*, *AP Biology*, *AP Chemistry*, *AP Physics*, *AP Studio Art (2D, 3D & Drawing)*, 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 more information.

## **REQUIRED COURSES**

### **FRESHMAN REQUIRED COURSES**

#### **Required Courses:**

English 9	1.0 credit
Algebra, Geometry	1.0 credit
Physical Science	1.0 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
Geography	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
American History	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 11 or 12 grade, are you taking the pre-requisite 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**

### **General Horticulture (ES) (18052)**

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 (18054)**

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 (18053)**

Offered 2023-24

Grades 10 - 12

Semester Course (Offered every other year)

.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 (18101)**

Grades 9 - 12

First Semester Course

.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 (18402)**

Grades 11 - 12

First Semester Course

.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 (ES) (18102)**

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 (18502)**

Grades 9 - 12

First Semester Course

.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 (18501)**

Grades 9-12

First Semester Course

.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. Areas will include ethics, urban controls, land management, outdoor survival and safety. 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 2024-25

Grades 11-12

Second Semester Course (Offered every other year)

.5 Credit

**Prerequisite:** To bring in Starlings to be used for taxidermy unit.

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. In addition, each student will be asked to bring two to five starling birds into class to be used in a five to seven-week taxidermy unit. Mr. Mike Orthober will be the guest presenter/teacher and will show students proper techniques. Students do not need Wildlife Management to take this class.

**Turf Design and Management (18054)**

Offered 2024-25

Grades 11-12

Semester Course (Offered every other year)

.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

**Draw Anything**

Grades 9-12

Semester Course

.5 Credit

**Prerequisite:** None

Did you ever want to learn how to draw? Sign up to learn the fundamentals of drawing from life and observation, with opportunities for abstraction and imagination as well! Quarter 1 will introduce the five perceptions of drawing: edges, spaces, relationships, light logic, and gestalt. Quarter 2 offers further exploration of these concepts using new ideas and medias.

**Drawing II**

Grades 9-12

Semester II Course

.5 Credit

**Prerequisite:** Draw Anything

Drawing II students will apply what they learned in Draw Anything in new and exciting ways! A strong focus on media and materials will include using charcoal, india ink, crayon, conte crayon, colored pencil, soft pastel, oil pastel, and block printing. Additional instruction will cover topics such as inspiration,

aesthetics, art styles and critiques. Sketchbooks will be used to practice advanced planning methods and develop essential habits for AP Studio Art Classes.

### **Painting Basics**

Grades 9-12

Semester II Course

.5 Credit

Prerequisite: None

Students will experience the rewards of working with paints! The different qualities of acrylic, oil, and watercolor paints will be explained and applied on a range of subject matters chosen by the students themselves. Color theory will be a driving force towards the successful mixing of accurate and cohesive color schemes. Patience and precision will be developed and lead to an impressive collection of art.

### **\*\*AP Drawing, AP 2-D Art and Design, and AP 3-D Art and Design**

Grades 9-12

Semester I and II Course

1 Credit

\*\*Weighted Course

Prerequisite: Instructor Approval. Two 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 earn college credits.

### **Arts and Crafts**

Offered 2023-24

Grades 9-12

Semester Course (Offered every other year)

.5 Credit

Prerequisite: None

Arts and Crafts will introduce students to the history of different craft and folk art traditions from around the world and explore how contemporary artists translate these folk/craft art traditions and techniques in a modern world. Students will learn how to creatively problem solve and tackle artistic challenges with a variety of media and materials, including collage, tile mosaic, paper crafts, and fiber crafts, while learning lifelong skills such as persistence, reflection, observation, and self-critique.

### **3-Dimensional Sculpture**

Offered 2024-25

Grades 9-12

Semester Course (Offered every other year)

.5 Credit

Prerequisite: None

3-Dimensional Sculpture teaches students how to use 3D design. They will learn basic sculpture methods using additive, subtractive, relief, found-object assemblage, and mobile sculpture approaches. Materials range from simple wire and paper mache to advanced materials like Super Sculpey. Subject matters will range from realism, to abstraction, to non-objective, with an emphasis placed on developing individual student vision.

## **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 I**

Grades 10 - 12

Semester Course

.5 Credit

Prerequisite: None

In the 21<sup>st</sup> century digital age, there is an increasing demand for computer graphics and visual data. This course will incorporate the most high powered and widely used software programs to teach students how to use the computer to design visual products. Computer graphics is an ever-growing area of interest for publishing, graphic arts, business advertisements, television, and many more. In this course, students can expect to use Adobe Photoshop, Illustrator, and iMovie to create a wide variety of projects. Class projects may include visual graphics, family portrait reconstruction, advertisements, sports programs, t-shirts, and other learning activities. Classes have a choice of final projects.

## **Ceramics I**

Grades 9-12

Semester Course

.5 Credit

Prerequisite: None

Did you ever want to make art with clay? In Ceramics, you will get the chance, every day! Ceramics provides students a full exploration of the basics of working with clay. An introduction to the six methods of creation include sculpture, pinch, slab, coil, drape, and wheel. The pottery wheel unit introduces students to proper form and technique, which results in six pieces of work, with opportunities for much more. Finally, glazing techniques provide plenty of options for colors and finishing.

## **Ceramics II**

Offered 2023-24

Grades 9-12

Second Semester Course (Offered every other year)

.5 Credit

Prerequisite: Ceramics I

Students will expand on the basics learned in Ceramics I and combine methods to create advanced ceramic artworks. Further experiences on the pottery wheel will produces over 20 pieces of work, with opportunities for much more. Advanced glazing techniques provide new options for colors and finishing. Additionally, students will get experience loading and unloading the kiln and helping with displays.

## **BUSINESS AND INFORMATION TECHNOLOGY**

[Graduation Requirement – .5 Credit]

### **Introduction to Accounting**

Grades 9 – 12

Semester Course

.5 Credit

Prerequisite: None

This course is intended to be exploratory in nature while introducing the basics of accounting and bookkeeping. Students will learn business vocabulary and concepts while analyzing, journalizing, and posting typical business transactions. Students will use both manual and computerized methods to process accounting records for a simple service business organized as a sole proprietorship. The goal is for students to decide if this aspect of business is an area to consider further, without an extensive time commitment.

**Transcribed Credit with NWTC:** To receive credit at NWTC both Introduction and Intermediate must be completed with a C or better. Introduction is half of the NWTC Course and Intermediate is the remainder. A student does not have to take both courses.

### **Intermediate Accounting**

Grades 10 – 12

Semester Course

.5 Credit

Prerequisite: Intro to Accounting

Designed to be the next step in the accounting sequence, Intermediate Accounting picks up where Introduction to Accounting leaves off. Students will learn additional concepts and earn NWTC Accounting credit for successful completion of the two-part course.

**Transcribed Credit with NWTC:** To receive credit at NWTC both Introduction and Intermediate must be completed with a C or better. Introduction is half of the NWTC Course and Intermediate is the remainder. A student does not have to take both courses.

### **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 videogames, 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 2023-24

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**

Nationally Recognized FANUC Robot Certification Available through this course; Not required

Grades: 9-12

Semester Course

.5 Credit (Repeatable)

Prerequisite: None

Learn how to build and program a robot in this fast paced, fun, and exciting course. Students in this course will first learn to build robots from kits and have competitions with each other performing various tasks. Drones will also be built in class with a focus on building and programming a drone from individually acquired parts rather than from a pre-built ready to fly product.

In addition to the above-mentioned experiences, Sevastopol now has an authentic programmable FANUC industrial robot certification cart. This means that students cannot only learn about how real industrial robots work and are programmed but they can choose to become certified in Material Handling and Programming the FANUC robot, and with repeated taking of the course, become certified in FANUC Robotic Vision. Students interested in becoming certified may have to receive some supplemental training and will have to complete the class and pass a certification assessment, which is not required of students just taking the course for regular credit.

Students who earn the new certifications are qualified to fill a variety of high-demand and high-paying careers in robotics and advanced manufacturing right out of high school, or as a stepping-stone to further education at college or tech school.

FANUC CERT training is offered at high schools, high school Career and Technical Education programs, technical and community colleges, and universities.

**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.

**Personal Finance (CAPP)**

Grade: 12

Semester Course

.5 Credit

**\*\*Weighted Course**

Prerequisite: Must meet CAPP eligibility requirements

A study of the major financial decisions encountered by individuals. Subjects covered are budgeting, use of credit, automobile and consumer durables, insurance, the housing decision, taxes, retirement planning, estate transfer and investments. Each subject is analyzed within the context of a comprehensive framework of personal financial planning.

## **FAMILY AND CONSUMER SCIENCES**

### **Fundamental Foods I**

Grades 9-12

Prerequisite: None

Semester Course

.5 Credit

Prerequisite: None

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 passing grade.**

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 1<sup>st</sup> 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 2024-25

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: Foods I**

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

**Prerequisite course for enrollment into the Certified Nursing Assistant Program.**

This course is designed for students who are interested in exploring careers that are available in the health-care field. Students will acquire a knowledge base of information, terminology, and skills used in medical occupations. Topics covered include history and technological advances of health care, ethical and legal roles and responsibilities of the health care worker, opportunities in the health care services field including diagnostic, therapeutic, environmental, and information services. This is an introductory course for careers in Health Science.

### **Healthy Living**

Offered 2023-24

Grades 10-12

Semester Course (Offered every other year)

.5 Credit

Prerequisite: None

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]

### **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 a persuasive 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.

**World Literature/NWTC English Comp 1**

Grade Level: 12

Full Year Course

1 Credit

**Prerequisites: American Literature**

Senior English blends our traditional world literature curriculum with NWTC's English Composition 1. The world literature curriculum focuses on British and world literature. Discussion of the reading is emphasized, and literary analysis is the focus of the writing. The NWTC English Composition 1 curriculum focuses on helping learners develop knowledge and skills in the writing process. Students will analyze audience and purpose, use elements of research, format documents using standard guidelines, and develop critical readings 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.

The NWTC English Comp 1 curriculum 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.

## ENGLISH/LANGUAGE ARTS ELECTIVES

**Oral Communications (CAPP)**

Grade 11 and 12

Semester Course

.5 Credit

**Prerequisite: Must meet CAPP eligibility requirements, please refer to page 4.**

As part of Sevastopol's education program, this course prepares students for diverse academic and non-academic situations where presentations are required. This curriculum will empower individuals and prepare them to deal with complexity, diversity, and change occurring in the world in which we live. It provides students with broad knowledge through research of the larger world as it connects to their interests and society's needs. Introduction to Public Speaking will introduce you to the skills necessary to successfully construct and communicate your ideas and positions throughout your college experience, in your future profession, and in your civic interactions. Upon completing this course, professors will assume that you are able to write and deliver a presentation that is organized, audience-centered, researched, and logical.

This course contributes to Sevastopol's educational goals by developing practical communication skills in the context of a larger discussion of issues. This course will fulfill the public speaking degree requirement at UW Oshkosh and aligns with the university essential learning outcomes for written and communication skills. For more information on the University Studies Program at UW Oshkosh, please visit: <https://uwosh.edu/usp/>

**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. This is a fast-paced course with weekly deadlines for both programs. 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]

**Algebra I**

Grades 9 – 12

Full Year Course

1 Credit

**Prerequisite: "C" average or better in 8<sup>th</sup> grade math or recommendation from 8<sup>th</sup> 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 Pre-Calculus and must be taken at the same time or prior to taking Chemistry.

**Pre-Calculus**

Grades 11 - 12

Full Year Course

1 Credit (with CAPP option)

**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. **If interested in CAPP, please see page 4 for requirements.**

**Probability and Statistics**

Grades 11 - 12

Semester Course

.5 Credit (with CAPP option)

**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 variable and events. **If interested in CAPP, please see page 4 for requirements.**

**\*\*AP Calculus (with CAPP option)**

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. **If interested in CAPP, please see page 4 for requirements.**

**NWTC Mathematical Reasoning**

Grades 11 - 12

Full Year Course

1 Credit

**Prerequisite: 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. All members of the band will also 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]

### **Physical Education**

#### **Grade 9**

Full year course

.5 Credit

Flag Football	Floor Hockey	Pickleball	Mile Run
Soccer	Skiing	Indoor Rec. Games	Dodgeball
Speedball	Snowshoeing	Ultimate Frisbee	Track and Field
Ultimate Frisbee	Winter Games	Kickball	Softball
Lacrosse	Fitness Unit	Indoor Softball	Field Hockey
Basketball	Weight Training	Fitnessgram	Badminton
Volleyball			

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 2<sup>nd</sup> 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

Volleyball

Skiing

Snowshoeing

Broomball

Winter Games

Fitness Unit

Weight Training

Badminton

Pickleball

Indoor Rec. Games

Bowling

Archery

Tennis

Golf

Mountain Biking

Fitnessgram

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]

### 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 11-12

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, gases, 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

1 Credit

**\*\*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 11-12

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.

### **Environmental Science**

Grades 11-12

First Semester Course

.5 Credit

**Prerequisite:** C or better in Biology

This semester course will cover a broad scope of topics including ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Some of the goals of the course include understanding how systems in the natural world are interconnected. Examining the natural cycles of energy flow and evaluating how human interaction affects these cycles. Modeling real-world situations and recognizing possible consequences of specific actions. Defending the best choices to protect the environment with changing trends in human population. Interpreting evidence and learning to report on

environmental conditions and hazards. This course has laboratory exercises and a large amount of presentations.

## **SOCIAL STUDIES**

[Graduation Requirement – 3.0 Credits]

### **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 10

Full Year Course

1 Credit

Prerequisite: None

*Required course for graduation during sophomore 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 – 12

Semester Course

.5 Credit

Prerequisite: None

*Recommended for freshmen and sophomores*

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 11

Full Year Course

1 Credit

Prerequisite: None

*Required course for graduation junior year*

This course will cover the history of the United States from pre-Columbus to the present with emphasis placed on the 19<sup>th</sup> and 20<sup>th</sup> 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 20<sup>th</sup> 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 market 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-

depthly in your regular classes. Students will complete a term paper researching an aspect of a conflict that shaped American ideals.

## **TECHNOLOGY EDUCATION**

### **\*\*Basic Machine Shop**

Grades 10 - 12

Semester Course

.5 Credit

**\*\*Weighted Course**

Prerequisite: None

Students will use milling machines, drills, lathes, and other precision machine tools to produce parts according to blueprints. 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 with 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 will use computer drafting software to create projects that will highlight the major forms of drafting used today. Students will utilize AutoCAD, Inventor, and Revit software. Projects will lend themselves to student experiences in 2D, 3D, and solid modeling. 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**

Computer drafting skills will be refined with exploration into the use of AutoCAD, Inventor, and Revit software. 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 wood projects with an emphasis on safety. This class may lead students to further experiences in precision woodworking, manufacturing, construction or other woodworking trades. Students will use both traditional wood working machines and tools as well as CNC Technology.

### **Advanced Woodworking**

Offered 2024-25

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 2023-2024

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 basic carpentry, finishing, plumbing and electrical skills. Concepts are explained and studied through hands-on activities. This class will offer the basic skills needed for the development of future experiences in the building trades. Throughout this class, students can expect to use common hand and power tools required for building, finishing, and repairing 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, AutoCAD, Inventor, Epilog lasers, 3D printers, vinyl cutters, CNC mills, CNC Routers and CNC plasma cutting. This class is heavily project based.

### **Metal Fabrication and Welding (18404)**

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, TIG welding, sheet metal fabrication, and CNC plasma cutting 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. 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: None

Students will learn shop safety around CNC milling machines, CNC basics, Cartesian coordinate systems, CNC milling controls and preparing basic G-Code milling programs. Students will utilize CNC milling machines and CNC plasma cutting to create various projects. This 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).

### **CNC Machining Pathway**

Grades 11-12

Full Year Course (3 periods each day)

3 credits (16 Transcribed NWTC Credits)

Are you interested in gaining skills to secure a career in machining technology? A CNC machinist sets up and operates computer numerical controlled machine (CNC) tools, working from blueprints and setup sheets. They set up fixturing and tooling, produce and inspect parts, and edit CNC programs on CNC lathes and machining centers. A partnership between NWTC and Sevastopol will provide you an opportunity to start this training while in high school. Not only can you build skills early, but you can earn college credit and save money on college tuition. This program will take place over the first three hours of the school day. Students will finish this 16 credit program with high demand employability skills and a CNC helper certificate from NWTC.

## WORLD LANGUAGES

**Spanish I**  
Grades 9 – 12  
Full Year Course  
1 Credit  
**Recommended: Middle School Spanish**

**Spanish II**  
Grades 9 – 12  
Full Year Course  
1 Credit  
**Prerequisite: Spanish I**

**Spanish III**  
Grades 10 – 12  
Full Year Course  
1 Credit  
**Prerequisite: Spanish II**

**\*\*Spanish IV**  
Grade 11-12  
Full Year Course  
1 Credit  
**\*\*Weighted Course**  
**Prerequisite: Spanish III**

El español – it's not just for the college-bound student anymore! Proficiency in a second language is a necessary 21<sup>st</sup> 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 from the third Monday in September until just before the WI State Junior ACT test in early 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.*

### Distance Learning Courses

Potential Course Offerings

Distance Learning is a network of Wisconsin schools organized for the purpose of offering students courses through interactive television (ITV). This gives students the opportunity to take courses which are not currently offered at Sevastopol. In addition, our students may have the opportunity to take technical college courses in their career interest area. Classes vary from year to year and a schedule will not be finalized until spring. 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 the school year ends.**

Taking courses over interactive television is not for all students since the instructor will be offsite. Students who are self-motivated and able to work well independently have the best chance for success. Students who register for a Distance Learning course will be committed to taking the course if Sevastopol is selected to be one of the schools receiving the course.

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

### POTENTIAL DISTANCE LEARNING COURSES

Below is a list of *potential* Distance Learning offerings available to juniors and seniors.

French I & II

### POTENTIAL NWTC COURSES

Below is a sample list of potential NWTC offerings available to juniors or seniors. These classes may be used for college credit at NWTC or LTC.

Principals of Marketing

Intro to Psychology

Business Principles

Sociology-Introduction

American Sign Language I and II

Nursing Assistant

Intro to Diversity Studies

Introduction to Law Enforcement

## 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 in an independent, 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.**

### *Some courses include:*

World Religions  
Japanese I, II  
Chinese I, II  
Advertising and Sales  
French  
Early Childhood Education  
National Security  
International Business

Entrepreneurship  
Creative Writing  
German I, II  
Biotechnology  
Careers in Criminal Justice  
Marine Science  
Computer Science Principles  
Fashion and Interior Design

### *AP Online courses:*

AP Art History  
AP Comparative Government\*  
AP Computer Science A  
AP English Language  
AP Human Geography  
AP Environmental Science

AP Macroeconomics\*  
AP Microeconomics\*  
AP Psychology  
AP Computer Science Principles  
AP Statistics

AP US Government & Politics\*  
AP US History

\* One semester course