

SWANVILLE PUBLIC SCHOOL

Course Catalog

2023-2024



REQUIREMENTS FOR HIGH SCHOOL GRADUATION

Each student must complete 28 quarter credits in order to graduate, which must include passing all the core classes listed below. Each student must complete credits by the end of the third quarter in order to participate in graduation ceremonies. Seniors entering 4th quarter may be only .50 credit short and still participate in graduation.

Grade 9 - English (1 credit), Math (1 credit), Civics (1 credit), Physical Science (1 credit)

Grade 10 - English (1 credit), American History (1 credit), Biology (1 credit), Math (1 credit)

Grade 11 - English (1 credit), World History/World Geography (1 credit) Math (1 credit)

Grade 12 - English (1 credit), Social Problems (.5 credit) Economics (.5 credit)

3 credits of math and also of science must be satisfactorily completed during grades 9 - 12. One full year of a combination of physics and or/chemistry must be completed. In addition, 1 full year (1 credit) must be completed in the area of fine arts. Classes that meet this requirement are band, art, and media. The remaining credits are elective and may be selected from other courses offered. Students must register for 7 classes per semester. Junior and Senior students may earn credits toward graduation by being a Teacher's Assistant (TA). Students must be passing all classes in order to continue their TA status. Any student that is down more than 1 credits may not be a TA. Junior and senior students may be a TA for a full year. A student who serves as a TA will be graded on a pass/fail basis. The local School Board of Swanville requires the equivalent of one full year of Physical Education during grades 9-12 to meet graduation requirements. Students may substitute one season of participating in varsity sports for one semester of physical education.

7th and 8th Grade Students are required to be in the following classes:

7th Grade: Math 7, English 7, Life Science 7, American History 7, Phy Ed 7

8th Grade: Beginning Algebra, World Geography 8, English 8, Earth Science 8, Phy Ed 8

In addition all seventh and eighth grade students take a quarter long rotation in each of the following courses: Media, Industrial Art, Health and Art

Seventh and eighth grade students may choose to be in Junior High Band. If not in Band they will have one semester of STEM and one semester of Ramp Up.

COURSES OFFERED

Art

2-D Art and Design *Grades 9-12* *Fall*

Students will explore a variety of 2-D media including: drawing, painting, printmaking, and collage. Projects will involve using techniques of each medium, as well as implementing the elements of art and principles of design. Students will also maintain a sketchbook throughout the semester to build upon skills and ideas in the artmaking process.

Digital Art & Yearbook *Grades 10-12* *Fall*

Students will learn the basics of digital photography including: how a camera works, how to care for a camera, elements of photo composition, and basic editing techniques using Adobe Photoshop and other software. Upon completion, students will utilize the skills and techniques learned in this course to organize and create the elementary and high school yearbooks for the 2023-24 school year.

Art Survey (Foundations) *Grades 9-12* *Fall*

In this course, students will be given the foundation to understand, appreciate, and create artwork using the elements of art. Students will be exposed to a variety of artists and art movements throughout history. Projects will involve an introduction to the techniques and uses of several media including : drawing, painting, clay, printmaking, and more. This is a prerequisite for all other art classes.

3D Art and Design (Sculpture) *Grades 9-12* *Spring*

Students will explore a variety of media and techniques used in the construction of 3-dimensional works of art. They will be introduced to historical and contemporary examples of sculpture to help inspire student projects. Examples of media include clay, wood, plaster, recycled materials, wire, and paper mache.

World Art *Grades 9-12* *Spring*

Students will take an art trip around the world while exploring historical and contemporary examples of art from several cultures. Students will experiment with techniques and processes of the cultures they explore to create original artworks using a variety of 2-Dimensional and 3-Dimensional media.

Graphic Design (Yearbook) *Grades 10-12* *Spring*

Students will continue to develop and build upon their understanding of the principles of digital design to create original artworks. They will learn introductory skills using Adobe Photoshop

and Illustrator to explore themes in graphic design including: typography, illustration, logo design, and advertising.

Industrial Tech

Career Seminar 1

Grades 9-10

Fall

Prerequisite: 8th Grade Technology

Career Investigation will enable students to learn and understand a variety of career pathways, attributes, and aptitudes needed in particular types of occupations and careers. The students will also learn how attitudes and behaviors affect the climate of a workplace. Students will have hands-on activities in several career pathways. Students will also go on college and business tours. In class presentations will be given to students by college and industry professionals.

Basic Welding

Grades 9-10

Fall

Metal fabrication is an integral part of the modern world. The practice of welding is used in numerous disciplines such as landscape architecture, industrial design, furniture and construction professions that relate directly to the practice of welding. From bicycle frames to bridges, metal and its processes are used on a daily basis to create all types of products and structures. This course is designed to familiarize the student with many aspects of metal technology. The class emphasis will be on building concepts and creating assigned and chosen projects while developing skills working with and fabricating metal. The course will include gas and electric welding, metal cutting, surfaces, cold and hot metal forming, bending and fastening. The course will also include an introduction to basic machine tools. Students are encouraged to work in mixed media by combining other materials and processes with metal techniques.

Intermediate Welding

Grades 10-12

Spring

Prerequisite: Basic Welding

This intermediate welding course will enable students to master their techniques in welding. Students are able to hone in their skills in various processes used to join and cut metals, such as oxyacetylene welding and cutting, plasma cutting, shielded metal arc welding (SMAW or stick), gas metal arc welding (GMAW or MIG), and tungsten inert gas welding (TIG). Students will become more experienced in identifying, selecting, and using appropriate techniques. Students will learn to read and interpret blueprints in order to identify, select, and use appropriate techniques. These skills could be mastered by allowing them to design and create a project of their choice. These courses may prepare students to pass relevant industry certifications.

In this course students will demonstrate shop safety, welding and correct use of shop tools. Students will show proficiency in Arc welding, MIG, and Oxy-Acetylene. In addition students will show how to correctly use the torch, CNC plasma table and plasma torch.

Different types of welds will be assessed during this class by allowing students the option to create projects of their choice. Enrollment in this class is sure to supply you with lifelong skills that will be valuable to all who participate.

Due to limited shop space this class is restricted to 15 students.

Basic Supermileage

Grades 10-12

Fall

Prerequisite: Basic Welding

The objective of this class is to provide students with a challenging project that allows practical experience in design, fabrication, and testing. Students will work as a team to design and build a vehicle or modify an existing vehicle to achieve the greatest fuel economy possible. Skills will be developed in design, engineering, welding, metalworking, small engines, aerodynamics, etc.

Students who have taken **Basic Welding or Metal Fabrication** and want to continue learning basic and advanced welding should take this course. This course covers the welding of aluminum and steel, using MIG, TIG, Acetylene and ARC welding. You will learn the common tools and safe operating procedures while welding.

Advanced Supermileage

Grades 10-12

Spring

Prerequisite: Basic Welding & Basic Supermileage

The objective of this class is to provide students with a challenging project that allows practical experience in design, fabrication, and testing. Students will work as a team to design and build a vehicle or modify an existing vehicle to achieve the greatest fuel economy possible. Skills will be developed in design, engineering, welding, metalworking, small engines, aerodynamics, etc. Students may also be tasked to generate financial support for their project and manage their educational priorities.

Students who have taken **Basic Welding & Metal Fabrication** and want to continue learning basic and advanced welding should take this course. This course covers the welding of aluminum and steel, using MIG, TIG, Acetylene and ARC welding. You will learn the common tools and safe operating procedures while welding. While in this class, students will be working on different projects, including those of personal design and also one of three project cars. The class will culminate in attending the Supermileage competition at Brainerd International Raceway.

Math

Life Skills

Grades 10-12

Fall

Students will learn about financial responsibilities they may face as an adult. Examples include: renting an apartment, budgeting, paying bills, credit card, interest and more.

Everyday Math

Grades 9-12

Spring

Everyday math will be a fun course that develops mental math and planning strategies through games. We will learn these skills through various card games and dice games. We will learn cribbage and hopefully have a cribbage tournament.

Music

Senior High Band

Grades 9-12

Year Long course

This course focuses on the continued development of skills learned from the beginning through intermediate level. Students must complete lessons offered during, before, and after school. Students must also take part in rehearsals, concerts, and pep games. Band is a year-long commitment and is graded accordingly.

Physical Education

Power, Speed and Agility

Grades 9-12

Fall

Increase body strength, speed and agility while learning multiple styles of exercise. Students will be using the weight room, combined with speed training and endurance training in the gym and outside to improve their conditioning and physical health. Students will learn the importance of diet combined with physical exercise to a long healthy active life. (Brever)

Lifetime Fitness and Activities

Grades 9-12

Fall

In this course students will be introduced and learn many different activities that they will be able to use for the rest of their lives to help keep them active and healthy. Examples of activities may include (but not limited to) frisbee golf, bocce ball, spike ball, bowling, archery, golf, pickleball, badminton, yoga, horse shoes, corn hole, can jam, and croque. (Gammon)

Advanced Strength and Conditioning

Grades 9-12

Spring

In this course students will learn how to complete more advanced lifts like cleans and snatch with proper technique. Students will be exposed to different cross fit training and advanced conditioning techniques to improve speed and stamina. Students are recommended to pass Strength and Conditioning or Power, Speed, and Agility before taking Advanced Strength and Conditioning. (Brever)

Team Sports

Grades 9-12

Spring

This course students will learn rules, strategies and participate in many different team sports. Understanding the importance of teamwork, and using team building skills to learn how to work together. Teamwork, sportsmanship, participation, and understanding of rules, strategies, and proper mechanics of different sports will be the main focus. Examples of activities may include (but not limited to) Volleyball, basketball, soccer, floor hockey, ultimate frisbee, flag football, wiffle ball, kickball, spike ball, and broomball. (Gammon)

Intro to Weight Training

Grades 9-12

Fall

This course is designed to target those who are beginners at weight training and want to learn more about the importance of moving your body, listening to your body, and stretching. The weight room does not need to be a scary place. It can be a judgment free place to build physical and mental strength, relieve stress and learn about your body. We will learn about equipment used in the weightroom as well as workouts that do not need any equipment. This course is not designed for those who are veterans in the weight room. (Gammon)

PE Leaders

Grades 9-12

Spring

This course is designed to mix/mingle high school PE students with younger elementary students with a one to one ratio. It is an activity based class focusing on mentorship, fitness, individual skill development, sportsmanship, and team play. Some activities that high school elective students will guide/mentor the younger students in is basketball skills, throwing and catching, locomotor exercise, stationary exercises, gymnastics/tumbling skills, dancing, and many fun games. (Gammon)

Science

Chemistry

Grades 11-12

Year-long Course

This laboratory course covers basic high school chemistry concepts that help students understand how the universe works at the micro-level. Students will learn about chemical and physical properties, atomic structure, periodicity, bonding, chemical reactions, the Mole, stoichiometry, solutions, and kinetic molecular theory while learning the skills of science and engineering. Class discussions, hands-on activities, group projects and laboratory work are an integral part of this course.

Physics

Grades 11-12

Year Long Course

Physics investigates the physical world around us in terms of motion, forces, energy, electricity, magnetism, sound, and light. This class has a heavy emphasis on labs and lab reports while using the scientific inquiry method. Students will need to take detailed data and develop a report to share that data while defending their conclusions.

**4 quarters of Chemistry or Physics are required to graduate. Physics is offered every year. Chemistry and anatomy rotate every other year. **

Social Studies

Crimes of the Century

Grades 9-12

Fall

A study of some of the most interesting and bizarre crimes that have occurred in the last one hundred years. Many of these crimes remain unsolved today. You will watch videos and discuss what you think happened. You will study a crime that interests you and present it to the class.

People of History

Grades 9-12

Spring

A study of the 100 most influential people of history. We will watch videos on them as well as doing presentations counting down to the most influential of all.

Sports and Society

Grades 9-12

Fall

This course will focus on the evolving role of Sports in American Society. The role of sports around the world, and how the games we watch and play shape identity, culture, and society. Students will examine the history of sports and its relationship with race, gender, economics & politics in the United States. Additional topics will include: pressures of sports from adolescence through college, supplement & drug abuse, violence in sports, and exploring sport-related careers.

Sports play a giant role in contemporary society worldwide. But few of us pause to think about the larger questions of money, politics, race, sex, culture, and commercialization that surround sports everywhere. This course draws on the tools of anthropology, sociology, history, and other disciplines to give you new perspectives on the games we watch and play. We will focus on both popular sports like soccer, basketball, and baseball.

Exploring our Local and State “Legends”

Grades 9-12

Spring

This class will incorporate photography, historical research and writing skills to explore individuals, groups or organizations that we deem as “Legends”. Students will research, interview and present displays of individuals, groups or organizations which will be highlighted in the school or possibly in more places allowing others to see and read why these people or groups are/were so important to us locally or to our state.

ITV Classes

World History I, From the Beginning to 1500 *Grades 11/12* *Fall*

This course will examine the development of world civilizations from prehistory to 1500, and will compare the religion, politics, economy and culture of various world civilizations. Examples will be drawn from Africa, Europe, Asia and the Americas.

World History II, 1500 to the Present *Grades 11/12* *Spring*

This course will explore the major developments in world history from 1500 to the present. Topics will include the development of major cultural areas and cultural groups that existed in 1500, the influence of European expansion and colonialism, democratic revolutions, industrialization, movements for national liberation, and the rise of the global economy.

American Economy *Grades 11/12* *Fall*

This course is an introduction to and a descriptive survey of the modern American Economy. Concentration is on the major forces affecting the economy, with special attention given to the role and responsibility of the federal government.

American Government and Politics *Grades 11/12* *Spring*

This course examines the players and institutions of contemporary American government and politics. Topics of study include: American political thought, the U.S. Constitution, federalism, civil liberties and civil rights, public opinion, interest groups, political parties, campaigns and elections, the mass media, Congress, the presidency, bureaucracy, and the judiciary. A special emphasis is placed on the role of citizen participation.

Composition 1*Grades 11/12**Fall*

Composition I is a writing-intensive course that prepares students for writing effectively in a variety of academic and professional situations. Students will learn and employ a variety of rhetorical strategies, including (but not limited to) description, narration, exposition, exemplification, classification, process analysis, comparison/contrast, and definition through formal papers written in edited Standard English, which will result in a total of at least 5,000 words. In addition, students may also be asked to write journals, a resume and letter of application, and to review grammar. Students will regularly engage in all stages of the writing process; learn how to successfully participate in an online, academic environment; and hone their ability to identify thesis, audience, tone, unity, coherence, and emphasis in their reading and writing. The course will also include a literature component to present basic terminology and foster critical thinking skills.

Composition 2*Grades 11/12**Spring*

Composition II focuses on research-based writing and information literacy. Students will learn and employ rhetorical strategies such as analysis (of ideas or human situations into comparable or constituent parts), cause and effect reasoning, inductive/deductive reasoning, and argument/persuasion. Subjects may include reaction, evaluation, and interpretation of literature and/or socio-cultural phenomena. Students will learn the principles of the academic research process such as developing a topic, understanding and applying outside sources, and defining and supporting a critical lens. During that process, students will learn how to locate, access, evaluate, and synthesize traditional and online library resources. Throughout the course, students will demonstrate a command of the writing and revision process and the APA (American Psychological Association) and the MLA (Modern Language Association) formats. Students will demonstrate these skills through formal papers written in edited Standard English, which will result in a total of at least 5,000 words.

Psychology*Grades 10-12**Fall*

This class presents a general introduction to psychology as a biosocial science. This survey course will familiarize the student with the basic principles of psychology, show how psychologists employ the scientific method, and equip the beginning student of psychology with a working vocabulary of psychological terminology and critical thinking skills. Areas to be covered include research, neuroscience and behavior, developmental and social psychology, personality, motivation, thinking and learning, memory, psychological disorders and therapy.

Human Development*Grades 10-12**Spring*

Prerequisite: Psychology

This course is a lifespan approach to understanding human behavior. This course will cover theories and research findings in the field of psychology relevant to the psychological development of individuals across the lifespan. Areas to be covered include physical, cognitive, emotional and social development. The course will examine similarities and differences between individuals in the various stages of the lifespan.

Introduction to Sociology

Grades 11/2

Fall

This foundation course is highly recommended as the starting point from which students may logically proceed to higher level sociology classes. Students will be introduced to the fundamental concepts of the sociological perspective, including culture, socialization, organization, authority, deviance and inequality. Using the scientific method, students will hone their critical thinking skills by interpreting, analyzing, and evaluating the social world.

Social Problems

Grades 11/12

Spring

This course is an overview of current social problems using sociological perspectives. Students will be able to articulate and apply their own ethical views and insights. The course analyzes how problems come to be defined, their ramifications and possible solutions. The course critically analyzes a range of social issues such as poverty and inequality, racism, sexism, family breakdown, crime and violence, and the environment among other emerging structural and systematic processes affecting the survival of peoples nationally and globally.

Introduction to College Algebra

Grade 11

Fall

This course will intensify the study of concepts first seen in Intermediate Algebra, as well as introduce topics that will be covered in College Algebra. A basic understanding of solving equations and using function notation will be expected, so that students can investigate solving systems of equations in three variables, systems of non-linear equations, polynomial equations, and basic exponential and logarithmic equations. Additionally, function operations and graphing function transformations will be introduced and explored. Taught by Mrs. Hasse

College Algebra

Grade 11

Spring

This is a college level math course that covers topics such as functions and graphs, inverse functions, linear functions and equations, quadratic functions and equations, polynomial functions, rational functions, radical functions, exponential functions, logarithmic functions, systems of equations and inequalities, and problem solving. A graphing approach will be used in

this course. Therefore, the use of a graphing calculator will be highly emphasized. Taught by Mrs. Hasse