

Brown Deer High School Course Descriptions



Phone: 414-371-7000 | Website: browndeurschools.com

**MISSION STATEMENT:
SCHOOL DISTRICT OF BROWN DEER**

"Together with our families and community, we will inspire students to be passionate learners, creative thinkers and innovative leaders who enrich our world."

NOTIFICATION OF NONDISCRIMINATION POLICY

The School District of Brown Deer does not discriminate against students on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities, including all career and technical educational programs. Federal law prohibits discrimination in employment on the basis of age, color, national origin, sex, or handicap.

The school district encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available, however, to address allegations of violations of the school district's nondiscrimination policy. If any person believes that the School District of Brown Deer or any part of the school organization has failed to follow the law and rules of s.118.13, Wisconsin Statutes, or in some way discriminates against students on the basis listed above, he/she may bring or send a complaint to:

Dr. Katrice Cotton, Superintendent
School District of Brown Deer
8200 North 60th Street
Brown Deer, Wisconsin 53223
414-371-6767

COURSE AVAILABILITY DISCLAIMER

This document lists courses and opportunities open to Brown Deer High School students for the 2023-2024 school year.

- It is possible that some courses listed may not be available due to a low number of student requests or staff assignments.
- BDHS is dedicated to continuous improvements in our programs. At any time, our faculty and district committees may be reviewing course offerings. When changes are approved by the Board of Education, this document will be updated.

DEPARTMENTS	PAGE(S)
ENGLISH	4-5
MATH	6-7
SOCIAL STUDIES	8-10
SCIENCE	11-12
PHYSICAL EDUCATION/HEALTH	13-14
BUSINESS	15-16
COMPUTER SCIENCE	17
ART	18-20
MUSIC	21-23
THEATRE	24
ENGINEERING	25
TECHNOLOGY EDUCATION	26-27
WORLD LANGUAGES	28
ADDITIONAL ELECTIVES	29

ENGLISH

ENGLISH I

Grade Level: 9 Year/ 1.0 credit

Pre-AP English 1 focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future to future high school and college coursework. Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses.

ENGLISH II

Grade Level: 10 Year/ 1.0 credit

Pre-AP English 2 builds on the foundations of Pre-AP English 1. While English 1 introduces the fundamentals of close observation, critical analysis, and the appreciation of the author's craft, English 2 requires students to apply those practices to a new array of nonfiction and literary texts. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

ENGLISH III

Grade Level: 11 Year/ 1.0 credit

In American Literature, students will read short stories, poems, plays, novels and essays by prominent American authors. The course will encourage students to develop skills in literary criticism. Composition skills will also receive major attention.

AP LANGUAGE

Grade Level: 11 Year/ 1.0 credit

Learn about the elements of argument and composition as you develop your critical-reading and writing skills. You'll read and analyze nonfiction works from various periods and write essays with different aims: for example, to explain an idea, argue a point, or persuade your reader of something.

ENGLISH IV

Grade Level: 12 Year/ 1.0 credit

This diverse course will engage them with thought-provoking, challenging texts. Designed to broaden their awareness of themselves and others, this course encourages students to think critically about their place in the world, all while furthering their ability to research, annotate, present confidently, create, and find deeper meaning in texts. Through the successful completion of this course, students will have the necessary skills to be college and career-ready.

SCIENCE FICTION/FANTASY

Grade Level: 11-12 Year / 1.0 credit

This course explores the rich and diverse world of science fiction, fantasy, and comic books. Through the analysis of novels, short stories, and graphic novels, students will develop critical thinking, writing, and research skills. They will examine themes of identity, power, and social justice as represented in these genres.

Prerequisite: Completion of Comprehensive Secondary English/Pre AP English 2

AP ENGLISH LITERATURE & COMPOSITION

Grade Level: 12 Year/ 1.0 credit

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods.

Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Prerequisite: Completion of American Literature or AP Language

MATH

INTEGRATED MATH I

Grade Level: 9-10 Year/ 1.0 credit

This course is a study of the properties of the real number system. Students will gain knowledge in the areas of solving equations and word problems along with a constant emphasis on the basic arithmetic processes. Students will also be exposed to a more abstract representation of mathematical ideas.

INTEGRATED MATH II

Grade Level: 9-12 Year/ 1.0 credit

This course emphasizes the nature of deductive proofs, definitions, assumptions, logical sequence, and problem sets.

Prerequisite: Completion of Integrated Math 1

ALGEBRA 2

Grade Level: 11-12 Year/ 1.0 credit

The purpose of this course is to select a wide variety of topics that fall under the heading of Algebra and to clearly develop and explain the ideas surrounding these topics so as to equip the student for more advanced math courses.

Prerequisite: Completion of Integrated Math 1 and Integrated Math II

TRANSITION TO COLLEGE MATH

Grade Level: 11-12 Year/ 1.0 Credit

This course is designed for students whose intention is to improve their math skills and their understanding of concepts in order to be placed in and perform well in college level math classes. The primary focus of this class is trigonometric concepts and statistics. Students will also strengthen and extend algebraic topics.

Prerequisite: Completion of Algebra 2

AP PRE-CALCULUS

Grade Level: 11-12 Year/ 1.0 credit

In AP Precalculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. AP Precalculus prepares students for other higher-level mathematics and science courses.

Prerequisite: Completion of Algebra 2.

AP CALCULUS AB

Grade Level: 11-12 Year/ 1.0 credit

This course consists of a full academic year of work in calculus and related topics comparable to courses in colleges and universities. The course includes elementary functions, with much study given to the calculus of functions of a single variable. This course helps prepare students for the AP Calculus AB Exam.

Prerequisite: Completion of Precalculus

AP STATISTICS

Grade Level: 11-12 Year/ 1.0 credit

This course is designed to be a practical application to mathematics. Students will benefit from analyzing data and understanding statistical analysis.

Prerequisite: Successful completion of Algebra 2

SOCIAL STUDIES

20TH CENTURY U.S. HISTORY

Grade Level: 9 Semester/ 1.0 credit

Studies include the Industrial Period, the growth of America as a world power, the Golden Twenties, World War I, the Depression, World War II, the Cold War and Social Change, Civil Rights, and Vietnam. The course looks at the problems that existed and attempts to analyze their effects on us. Reading, writing, and conceptual skills will be emphasized throughout the course.

AP HUMAN GEOGRAPHY

Grade Level: 10 Year/ 1.0 credit

Explore how humans have understood, used, and changed the surface of Earth. You'll use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use.

LAW & SOCIETY

Grade Level: 11-12 Semester/ 0.5 credit

Law and Society is a survey course that will expose students to three major legal topics. The first will be an Introduction to Law and the Legal System. Students will learn where our law comes from and the structure and function of the various courts in our system. The second focus is on Civil Law, particularly an examination of the intentional torts, negligence, and strict liability. The student will be exposed to the Criminal Law and the penal system.

MILWAUKEE HISTORY

Grade Level: 11-12 Semester/ 0.5 credit

This course will emphasize the history of SE Wisconsin. This will include Native American cultures, immigration with an emphasis on Germans and African Americans and modern socio-economic issues. The rationale for a course in the history of the Milwaukee area is to build an awareness in the students of the community in which they live, as well as to develop citizenship.

World History to 1450 (Would be offered first semester)

Grade Level: 11-12 Semester/ 0.5 credit

World History to 1450 examines the origins and development of early civilizations and major world regions from ancient times through the Middle Ages. Students explore how geography, culture, religion, trade, and political systems influenced the growth and interactions of societies across Africa, Asia, Europe, and the Americas. The course emphasizes historical thinking skills, including analyzing primary sources, recognizing patterns over time, and making connections across regions.

World History 1450 to the Present (Would be offered second semester)

Grade Level: 11-12 Semester/ 0.5 credit

World History 1450 to the Present explores the major global interactions and transformations that have shaped the modern world from the Age of Exploration to the present day. Students study imperialism, revolutions, industrialization, global conflicts, and contemporary issues to better understand how the world became increasingly interconnected. The course builds skills in critical thinking, argument writing, and evaluating historical evidence.

ECONOMICS

Grade Level: 12 Semester/ 0.5 credit

This upper level course helps each student formulate his/her own value system, develop a sound decision-making procedure based upon his/her values, evaluate alternatives in the marketplace and get the best buys for his/her money, understand his/her rights and responsibilities as a consumer in our society, and full his/her role in directing a free enterprise system.

AP US HISTORY

Grade Level: 11-12 Year/ 1.0 credit

This course will provide students with the analytic skills and factual knowledge necessary to deal critically with the facts and issues in U.S. history. Students are prepared for college by making demands upon them equivalent to those made by a full-year introductory college course.

AP COMPARATIVE GOVERNMENT & POLITICS

Grade Level: 11-12 Year/ 1 credit

AP Comparative Government introduces students to the rich diversity of life and politics outside of the United States. This course will examine the structures and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students will compare and contrast the different countries and their systems while learning to use data and draw comparisons to make evidence-based arguments about each of the political systems. **This course does not fulfill students' American Government graduation requirements.**

AP PSYCHOLOGY

Grade Level: 11-12 Year/ 1.0 credit

The AP Psychology course focuses on ideas, theories, and methods related to the scientific study of human behavior and processes within the brain. This includes topics ranging from the history of the study of psychology to the different ways people learn, and everything in between. The subjects covered are taught in an inquiry-based format, allowing the students to learn in a way that helps them better interpret data and information.

AP AFRICAN AMERICAN STUDIES

Grade Level: 11-12 Year/ 1.0 credit

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with rich and varied sources.

Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment.

AMERICAN GOVERNMENT

Grade Level: 12 Semester/ 0.5 credit

This upper-level course deals with how the federal government operates in the United States today. Additional study will be on elections, political parties, and the Constitution.

AP US GOVERNMENT & POLITICS

Grade Level: 12 Year/ 1 credit

AP US Government provides a college-level introduction to key concepts, interactions, roles, and structures within the United States government. This course will ask students to examine historical documents, landmark Supreme Court decisions, and other sources to analyze the American political system. Students will be expected to use complex vocabulary, analyze data and evidence, consider cause-and-effect relationships, and develop political arguments and analyses. This course fulfills students' American Government graduation requirements.

SCIENCE

BIOLOGY

Grade Level: 9 Year/ 1.0 credit

Units of study include biomolecules, cellular organization, genetics, viruses and bacteria, and the circulatory system, among others. Biology is a laboratory-driven course.

CHEMISTRY

Grade Level: 10-12 Year/ 1.0 credit

Chemistry is a college preparatory course that deals with the fundamental structure and composition of materials and changes in the composition of these materials. The language, math, and logic of chemistry are developed over the course of a year. Topics may include the Methods of Science; Chemical Formulas, Equations, and Reaction Types; the Periodic Table; Properties of Gases, Liquids, and Solids; Energy in Chemical Reactions; Equilibrium; and Oxidation-Reduction reactions. The laboratory component will require written reports as well as student participation. All students are expected to make up lab absences by making arrangements with the teacher to do the lab within one week of the lab date. All students must have ANSI standard Z87.1 approved laboratory goggles and must also have a scientific calculator as minimum course equipment.

PHYSICS

Grade Level: 10-12 Year/ 1.0 credit

Physics is the study of the laws that govern matter and energy. Topics covered include kinematics, motion, forces, projectiles, momentum, energy, electric fields, circuits, optics, lenses, astrophysics, and modern physics. This course strives to build strong problem-solving and critical thinking skills that will prepare students for a college-level physics course.

Prerequisite: Grade of C or better in Algebra.

PRINCIPLES OF HEALTH SCIENCES

Grade Level: 10-12 Year/ 1.0 credit

Students will learn what it means to be a healthcare professional during this course. Students will explore different health science-related careers and gain skills necessary to thrive as healthcare professionals in the future. Students will learn about health and safety systems, medical topics, medical terminology, communication, lab skills, and become leaders in the field of health care.

Prerequisite: Completion of Biology

ANATOMY & PHYSIOLOGY

Grade Level: 11-12 Year/ 1.0 credit

This course is highly recommended for students interested in pursuing a biologically related occupation such as sports medicine, nursing, physical therapy and all other medical careers. The course takes a systemic approach to the human body with special

emphasis on histology, the skeletal, muscular, nervous, integumentary, and reproductive systems. Dissection of animal specimens is an integral part of the anatomical study of each of these systems.

Prerequisite: Completion of Biology and Chemistry

AP BIOLOGY

Grade Level: 11-12 Year/ 1.0 credit

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

AP CHEMISTRY

Grade Level: 11-12 Year/ 1.0 credit

Chemistry deals with the fundamental structure and composition of materials and the changes that they undergo. This is a continuation of Chemistry and includes the following subject areas: Colligative Properties, Kinetics and Equilibrium, Thermodynamics, acid-base Chemistry, Redox and Electrochemistry, Organic Chemistry, and the nature of scientific enterprise.

Prerequisite: C or better in Chemistry and completion of Algebra 2 or concurrently enrolled in Algebra 2

AP PHYSICS

Grade Level: 11-12 Year/ 1.0 credit

AP Physics is the study of the laws that govern matter and energy. Topics covered include motion, heat, waves, light, optics, fluids, thermodynamics, electricity, and atomic and nuclear physics. This course helps students understand the physical world through discussion of concepts as well as representing the concepts with mathematics. The course relies heavily on mathematical analysis to solve problems. The course prepares students to take the AP Physics B Exam and prepares students for college-level physics.

Prerequisite: C or better in Physics or Chemistry and completion of Algebra 2 or concurrently enrolled in Algebra 2

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION/HEALTH 1

Grade Level: 9 Year/ 1.0 credit

This course combines 9th-grade Physical and Health Education. The Physical Education units of this course are designed to provide students with the opportunity to learn the rules, basic skills, and strategies necessary to successfully participate in the sport or activity offered. A swimming unit is required. Physical fitness and lifelong wellness are integrated throughout the course. Health topics include: personal and community health, substance abuse prevention, nutrition, and human growth and development.

TEAM SPORTS

Grade Level: 10-12 Year/ 1.0 credit(s)

The students will have opportunities to develop proficiency in movement forms through fine-tuning skill development and strategies effective in individual and team success. Ongoing fitness assessments and goal-setting will ensure students demonstrate the link between physical activity and health-related fitness. Those who complete the course should be able to compete in recreational or competitive local leagues and serve lifelong activity needs.

OUTDOOR EDUCATION & RACKET SPORTS

Grade Level: 10-12 Year/ 1.0 credit(s)

Outdoor Education is a co-ed class for students who enjoy high-energy outdoor activity. This class will emphasize participation in several activities, including team building, biking, rock climbing, rollerblading, hiking, canoeing, and other fitness activities. Students will spend time learning the rules and regulations of each activity, practicing the skills to be successful, and working cooperatively. This course will also include a small swimming unit.

WEIGHT TRAINING

Grade Level: 10-12 Year/ 1.0 credit(s)

This course is designed to help students achieve an increase in muscle and cardiovascular endurance, muscle and core strength, and flexibility. In addition, this course will promote and improve the character and leadership traits among high school students. Students will spend time learning the rules and regulations of the weight room, skills, and lifts to increase performance in sports.

LIFETIME WELLNESS

Grade Level: 10-12 Year/ 1.0 credit(s)

Lifetime Fitness will allow students to explore and compare options available to them outside of the school setting. Students will experience workouts that are found in various settings within today's society, and focus on which outside sources best meet their needs. In addition, students will look at nutritional needs and how to make good choices with what is available to them.

SWIMMING SKILLS, ACTIVITIES & FITNESS

Grade Level: 10-12 Semester/ 0.5 credit

Swim class will focus on developing basic swimming skills across the four major strokes: freestyle, backstroke (regular and elementary), breaststroke, and butterfly. Also building water safety knowledge, enhancing swimming endurance, incorporating proper technique, and also including elements of aquatic fitness and games/activities.

LIFEGUARD CERTIFICATION

Grade Level: 10-12 Semester/ 0.5 credit

Provides entry-level participants the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries, and illness until EMS personnel take over. Students must pass swimming, rescue, and written tests.

BUSINESS

INTRODUCTION TO BUSINESS

Grade Level: 9-12 Semester/ 0.5 credit

Introduction to Business is a one-semester, introductory course designed to teach students business concepts through the formation of a corporation. Working through their corporation, students will generate a product idea, produce and market the product, and realize profit. Students will also be introduced to basic computer operations, such as PowerPoint presentations.

INTRODUCTION TO COMPUTER APPLICATIONS

Grade Level: 9-12 Semester/ 0.5 credit

This computer application course will dig deeper into both Google Docs and Microsoft Office products. Additionally, students will work with and compare a variety of presentation, productivity, recording, and creativity apps. This course is highly recommended for any student interested in seeking post-secondary education and any business or professional career path.

WEB DESIGN 1 – Base Coding

Grade Level: 10-12 Semester/ 0.5 credit

Web Design is a one-semester course for students who want to learn the basics of web page design development. In this process, students will learn base coding languages such as HTML and JavaScript. They will learn basic web page design strategies to create usable and readable web pages using a web editor. Through projects, students will learn how web editors and coding interface so that the student controls the end product. This is a project-based course used to solve customer needs in a business setting.

WEB DESIGN 2 – Advanced Coding

Grade Level: 10-12 Semester/ 0.5 credit

Web Design 2 is a one-semester course for students who want to continue the progression learned in the Base Coding Course (Web Design 1). Students will learn advanced HTML and JavaScript Codes to further their development into making interactive web pages for their business clientele. Students will be introduced to such coding languages such as but not limited to PHP/Ruby/Python. Students will also gain knowledge of future coding education and careers in Web Design. This is a project-based course used to solve customer needs in a business setting.

Prerequisite: Web Design 1

ENTREPRENEURSHIP

Grade Level: 10-12 Year / 1.0 credit

The Entrepreneurship course will introduce students to forming a business through problem-solving and understanding the startup process. It will teach the students skills from business and their academic studies needed to start, build, and manage a successful business. Topics of studies will include an Overview of Entrepreneurship,

Innovation & Creativity, Opportunity Recognition, Business Planning, Market Research & Marketing, Entrepreneurial Finance, Business Operations, and Monitoring & Exit Strategies. Students will experience hands-on learning through a variety of projects designed to spark interest in starting your own business.

ACCOUNTING 1

Grade Level: 10-12 Year / 1.0 credit

Accounting is a course covering the complete accounting cycle for a service business organized as a sole proprietorship and for a merchandising business organized as a partnership. Included in the course is the need to keep and summarize records for convenient interpretation as well as data analysis, so that the accountant can advise in the decision-making process of operating a business.

ACCOUNTING 2

Grade Level: 11-12 Year / 1.0 credit

Advanced Accounting is a course designed for students who desire a more advanced level of accounting preparation that is not available in beginning accounting. This course will also cover computerized accounting in a way that integrates accounting principles, so that no prior computer knowledge is required. This course contains a review of the accounting cycle and introduces advanced accounting principles such as payroll and departmental accounting for a business organized as a corporation.

Prerequisite: Successful completion of Accounting 1

FINANCIAL LITERACY & CAREER READINESS

Grade Level: 11-12 Year / 1.0 credit

Students experience a practical course that includes: completing applications, exploring career choices, job searches, writing resumes and cover letters, interviewing and presentations, banking, saving and investing, credit building and borrowing/loans, basic tax form preparation, and financial goal setting. This course also prepares students for the ACT standardized test, and students explore a variety of post-secondary options.

This class is required for all Grade 11 students.

COMPUTER SCIENCE

AP CYBERSECURITY

Grade Level 9-12 Year / 1.0 credit

AP Cybersecurity focuses on how computers, networks, and data are protected from cyber attacks. Students learn how hackers exploit systems, how security professionals defend them, and why cybersecurity matters in everyday life. The course includes hands-on activities, real-world examples, and discussions about ethics, privacy, and digital responsibility. No prior coding experience is required.

AP COMPUTER SCIENCE PRINCIPLES

Grade Level 10-12 Year / 1.0 credit

An introductory course that introduces students to the breadth of the computer science field, incorporating five big ideas: Creative Development, Data, Algorithms and Programming, Computer Systems and Networks, and the Impact of Computing. Students learn to design and evaluate solutions and apply computer science to solve problems by developing algorithms and programs. Students will also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

AP COMPUTER SCIENCE A

Grade Level 10-12 Year / 1.0 credit

Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Students will become familiar with the concepts and tools of computer science as they learn a subset of the Java programming language. They do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks.

Prerequisite: Completion of AP Computer Science Principles

ART

ART FUNDAMENTALS

Grade Level: 9-12 Year/ 1.0 credit

This is an introductory course designed to develop fundamental techniques and skills in two-dimensional and three-dimensional activities to help prepare students for future art experiences. Students will be expected to complete in-class work as well as weekly homework assignments.

DRAWING & PAINTING

Grade Level: 10-12 Year/ 1.0 credit

The purpose of this course is to further develop drawing and painting skills. The year will be spent exploring the concepts of line, texture, value, and composition. Students will use a variety of drawing media---pencil, pen and ink, wash, and pastels. Students will experiment with different painting techniques as well as translating visual ideas into finished paintings.

Prerequisite: Completion of Art Fundamentals or senior status

SCULPTURE & METALS

Grade Level: 10-12 Year/ 1.0 credit

This is a challenging, upper-level art course actively involved in creating three-dimensional works of art using a variety of methods, materials, and tools. Students will enrich and expand their understanding of the expressive qualities and meanings of shapes, forms, and spaces in functional and non-functional works of art.

Prerequisite: Completion of Art Fundamentals or senior status

CERAMICS

Grade Level: 10-12 Year/ 1.0 credit

Students will learn basic hand-building and wheel-throwing techniques and investigate ways of constructing and decorating ceramic and sculptural forms. Both functional and decorative aspects of ceramics are stressed.

Prerequisite: Completion of Art Fundamentals or senior status

DIGITAL PHOTOGRAPHY

Grade Level: 10-12 Year/ 1.0 credit

This course focuses on creating and manipulating images using a digital camera and Adobe Photoshop software. Students are encouraged to have access to a digital camera.

Prerequisite: Completion of Art Fundamentals, Introduction to Graphic Design, or senior status

FASHION AND FIBERS [AR270]

Grade Level: 10 – 12 Year/ 1.0 credit(s)

This course explores a variety of textiles, fibers, and fashion in fine art, functional, and wearable pieces.

Connect to current and historical fashion trends, as well as how to work through concept, to sketch, to final completion of a piece of clothing.

This course also teaches techniques including screenprinting, dyeing, surface design, paper making, weaving, and hand stitching.

Learn the basics of a sewing machine and apply a clothing pattern to create your own piece of fashion!

Prerequisite: Art Fundamentals OR senior status

ADVANCED DIGITAL PHOTOGRAPHY

Grade Level: 11-12 Semester/ 1.0 credit

Advanced photo and manipulation work. Students will create a portfolio.

Prerequisite: Completion of Digital Photography

ADVANCED DRAWING/PAINTING

Grade Level: 11-12 Year/ 1.0 credit

This is an advanced course designed for students who have taken Drawing & Painting and are interested in exploring more in-depth work in the drawing and painting media.

Prerequisite: Completion of Drawing & Painting

ADVANCED SCULPTURE & METALS

Grade Level: 11-12 Year/ 1.0 credit

This is an advanced course designed for students who have taken Sculpture & Metals and are interested in exploring more in-depth work in these media.

Prerequisite: Completion of Sculpture & Metals

ADVANCED CERAMICS

Grade Level: 11-12 Year/ 1.0 credit

This course is an advanced course designed for students who have taken Ceramics and are interested in pursuing more in-depth work in this area.

Prerequisite: Completion of Ceramics

INTRODUCTION TO GRAPHIC DESIGN

Grade Level: 9-12 Semester/ 0.5 credit

Introduction to Graphic Design is related to the area of communication through the use of printed material. Students will develop an understanding of the graphic arts industry and will be evaluated on such through written tests and in-class student projects. The students will be required to utilize various computer programs such as Print Shop, Quark Express, PageMaker, and Adobe Illustrator. Students will produce camera-ready copy for a number of projects. The printed material will then be assembled into a product, such as notepads, buttons, bookmarks, etc.

GRAPHIC DESIGN *MATC Transcribed Credit*

Grade Level: 10-12 Year/ 1.0 credit

Graphic Arts Technology is related to the area of communication through the use of printed material. Students will further develop an understanding of the graphic arts industry, and will be evaluated on such through written tests, in-class student projects, and performance tests. This course will build on the skills developed from the Exploring Graphic Arts program. Students will continue to produce camera-ready copy and will be required to operate the offset press to produce a printed job. Field trips to local businesses are also part of the course.

Prerequisite: Completion of Introduction to Graphic Design or senior status

ADVANCED GRAPHIC DESIGN

Grade Level: 11-12 Year/ 1.0 credit

Advanced Graphic Arts Technology is related to the area of communication through the use of printed material. Students will continue to develop an understanding of the graphic arts industry, and will be evaluated on such through written tests, performance tests, and in-class student projects. The course will build on the skills developed from the Graphic Arts Technology course. Additional units covered will be the production of silk screen masters for printing on both paper and cloth, estimating printing costs, and printing jobs designed around the school district's needs.

Prerequisite: Completion of Graphic Design

AP STUDIO ART

Grade Level: 11-12 Year/ 1.0 credit

The course is the equivalent of a college-level class and will follow the guidelines of Advanced Placement Studio Art in 2D and 3D design and drawing. The students in the class will submit 20-24 pieces of work for advanced placement credit.

Prerequisite: Completion of at least one advanced art class

YEARBOOK

Grade Level: 10-12 Year/ 1.0 credit

Available by selection through advisor after successful completion of English and Art coursework, along with demonstrated computer use skills and responsible school citizenship. Credit and grade are awarded as Pass or Fail.

Prerequisite: Approved application

MUSIC

CONCERT BAND

Grade Level 9-12 Year/ 1.0 credit

This intermediate ensemble offers an opportunity for beginning band and intermediate band students to learn and perform a variety of forms and styles of music. Students will participate in the same performances as the Concert Band, but greater emphasis will be placed on developing the musical needs of students entering High School.

WIND ENSEMBLE

Grade Level 9-12 Year/ 1.0 credit

This advanced ensemble offers a large group opportunity to learn and perform a variety of forms and styles of music. Special emphasis is given to basic tone production, embouchure and breath control, articulation concepts, fundamental rhythmic structures and patterns, musical terms and symbols, and the development of technical proficiency.

Prerequisite: The student must have previous instrumental or band experience, or receive the consent of the instructor.

JAZZ BAND

Grade Level 9-12 Year/ 1 credit

Students will gain experience in swing, Latin, rock, and other jazz styles. Students will be encouraged to improvise. This large ensemble is open to students who play a traditional jazz instrument (saxophone, trumpet, trombone, bass, guitar, piano, drum set). Students wishing to play non-traditional instruments must obtain prior approval from the instructor.

Prerequisite: The student must have previous instrumental or band experience (and be a Wind Ensemble member)

DRUMLINE

Grade Level 9-12 Year/ 1.0 credit

Students will learn marching percussion, keyboard percussion, and auxiliary percussion instruments in this course. During the spring, this group will function as a percussion ensemble. All members of the Drumline course are required to participate in the marching band for football games, parades, basketball games, solo and ensemble festival, and band concerts.

ADVANCED DRUMLINE

Grade Level 10-12 Year/ 1.0 credit

Students will continue to enhance their drumline skills. All members of the Drumline course are required to participate in the marching band for football games, parades, basketball games, solo and ensemble festival, and band concerts.

Prerequisite: Completion of Drumline [MU150]

STEEL BAND

Grade Level 10-12 Year/ 1.0 credit

This is a great new performance opportunity for students who are music literate. Currently, our steel band consists of 10 sets of pans. The band is expandable to mallet percussion as well as an engine room that includes drum set, bass guitar, and hand drums. This course will begin by studying the histories and traditions from the island country of Trinidad. Doing this will provide us greater insight into the styles of music we will be learning and performing. Students will work towards familiarizing themselves with their chosen pan(s).

CONCERT ORCHESTRA

Grade Level 9-12 Year/ 1.0 credit

This course will offer experience in orchestra music. A variety of forms and styles of music, including classical, folk, rock, and jazz, will be studied. Emphasis will be placed on music fundamentals such as the study of melodic interpretation, harmonic progression, rhythmic understanding, analysis of style and form, and tonal production of orchestral instruments.

Prerequisite: The student must have previous instrumental or orchestra experience, or receive the consent of the instructor.

SYMPHONY ORCHESTRA

Grade Level 9-12 Year/ 0.5 credit

This is before school and is available by teacher recommendation only. Students must have at least 4 years of experience on their instruments. Material covered will be more complex music, including extended techniques, as well as chamber music

FALCON CHORUS

Grade Level 9-12 Year/ 1.0 credit

Welcome to the vibrant world of choral music! "Falcon Choir" is designed to ignite your passion for singing and foster a strong foundation in choral techniques and musical expression. This course is perfect for high school students who are eager to explore the joy of making music together in a collaborative and supportive environment.

Throughout the year, students will embark on a musical journey that encompasses the fundamentals of choral singing, vocal technique, music theory, and performance skills. The repertoire chosen for this course spans various genres and styles, exposing students to a rich tapestry of musical traditions. From classical choral masterpieces to contemporary and multicultural selections, students will have the opportunity to explore diverse musical expressions. Performances are a mandatory expectation of the class.

Piano & Guitar

Grade Level 9-12 Year/ 1.0 credit

Ever wanted to play songs you actually recognize or write your own? Piano & Guitar is a hands-on, performance-based music class where students learn to play piano and guitar while building real-world musicianship skills. Whether you're a beginner or already play a little, this class meets you where you are and helps you level up.

Students will learn how to read music, play chords and melodies, improvise, and perform solo and with others. You'll explore music from many styles, including pop, rock, classical, jazz, and film music, and learn how musicians create, practice, and perform at a high level. You'll also get chances to write your own music, experiment with songwriting, and perform in a supportive, low-pressure environment.

This class is about making music, not just talking about it. By the end of the course, you'll have built a personal repertoire, grown your confidence as a performer, and developed skills you can use for a lifetime, whether that's performing on stage, writing your own songs, or just playing for fun.

No prior experience required. Motivation encouraged.

RECORDING STUDIO

Grade Level 9-12 Year/ 1.0 credit

This high school course is designed for students who are passionate about music production, audio engineering, and collaborative creativity. In this course, students will immerse themselves in the process of creating, recording, and producing music in a professional studio environment. This process will have a strong emphasis on group collaboration through project learning.

Throughout the semester, students will work together to bring musical ideas to life, exploring various genres and styles. The recording studio will serve as the canvas for students to experiment with sound, hone their technical skills, and produce high-quality recordings. From pre-production planning to the final mix, students will experience the entire music production process, gaining valuable insights into the world of professional audio engineering.

CONCERT CHOIR

Grade Level 10-12 Year/ 1.0 credit

Welcome to the pinnacle of choral excellence! "Concert Choir" is designed for high school students who have a strong foundation in choral singing and are ready to elevate their musical abilities to new heights. This course will challenge students to delve deeper into the art of choral performance, offering a more nuanced exploration of advanced techniques, repertoire, and musicianship. Students should have previous experience singing in a choir ensemble.

Throughout the semester, students will engage in a comprehensive study of advanced vocal techniques, complex choral compositions, and the artistry of ensemble singing. The repertoire selected for this course will be both challenging and rewarding, encompassing a diverse range of musical genres and styles, from intricate classical works to cutting-edge contemporary pieces. Performances are a mandatory expectation of the class.

HAND BELL ENSEMBLE

Grade Level 9-12 Year/ 1.0 credit

Hand Bells is an instrumental choir ensemble for the study, rehearsal, and performance of handbell-specific performance techniques and music literature.

Attendance / Participation is required for all scheduled performance events.

THEATRE

THEATRE ARTS

Grade Level 9-12 Year/ 1.0 credit

Students are introduced to all areas of theater, which include elements of both performance and production. Specific areas of study include acting, directing, improvisation, set design, costume design, make-up, lighting, and sound. Students are evaluated through periodic public performances and portfolio reviews.

IMPROV ARTS

Grade Level 10-12 Year/ 1.0 credit

Improv Comedy is a theater class that focuses on creative, rapid-response exercises and spontaneous dialogue /role play. Students create interesting and creative stories on the spot through listening, reacting, support, and self-discovery.

Prerequisite: Completion of Theater Arts I [FA100]

ADVANCED PERFORMANCE

Grade Level 10-12 Year/ 1.0 credit

Advanced Performance is designed to continue the education of students who have successfully completed Theater Arts. Students in this class will further explore the theater standards that are specifically performance-based. Areas of study:

- Contemporary theories of acting
- Practices of performance in modern and classical theater
- Text analysis of modern and classical works
- Contemporary theories of directing
- Advanced principles of directing and practices of staging a play
- Advanced improvisation
- Auditioning
- Creation of new work(s)

Prerequisite: Completion of a previous theater class

ENGINEERING

PROJECT LEAD THE WAY: INTRODUCTION TO ENGINEERING

Grade Level 9-12 Year/ 1.0 credit

This course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing.

PROJECT LEAD THE WAY: PRINCIPLES OF ENGINEERING

Grade Level 10-12 Year/ 1.0 credit

Students explore technology systems, design, and manufacturing processes in a way that provides meaningful, hands-on experiences in problem-solving, teamwork, and project-based learning. They solve design problems as they develop, create, and analyze product models.

Prerequisite: Grade of C or better in Algebra and Geometry (or concurrently enrolled in Geometry).

TECHNOLOGY EDUCATION

WOODWORKING I

Grade Level: 9 Semester/ 0.5 credit

This course is an introduction to tech ed. Students will complete projects using shop equipment and hand tools to develop safety and measurement skills relevant to the industry.

WOODWORKING II

Grade Level: 10-12 Year/ 1.0 credit

This course is designed to teach and develop basic woodworking skills. Hands-on experience in operating machines and woodworking tools is acquired with an emphasis on shop safety. The course is designed to challenge the students in designing and building advanced woodworking projects using blueprint reading and measurement skills.

CONSTRUCTION SKILLS I

Grade Level: 10-12 Year/ 1.0 credit

The course is designed to provide students with a foundational understanding of the skills required to succeed in the skilled trades and manufacturing fields. Students will develop the skills and knowledge needed to plan, design, select, and construct basic to complex structures.

CONSTRUCTION SKILLS II

Grade Level: 11-12 Year/ 1.0 credit

The course is designed to challenge students to use the skills gained in Construction Skills Level 1 on larger-scale projects. Students will work on projects that incorporate a wide variety of building trades, including (but not limited to): masonry, plumbing, electrical, and floor covering.

Prerequisite: Construction Skills I

METAL FABRICATION I

Grade Level: 10-12 Year/ 1.0 credit

This course contains an introduction to safe operation of CNC plasma cutters, lathes, and mills, welding, and sheet metal fabrication techniques. Students will complete projects using shop equipment, hand tools, and power tools to develop safety and measurement skills.

METAL FABRICATION II

Grade Level: 11-12 Year/ 1.0 credit

This course builds on skills learned in Metals Fabrication I, (but not limited to) safe operation of CNC plasma cutters, lathes, and mills, welding, and metal fabrication techniques. Students will complete projects using shop equipment, hand tools, and power tools to develop safety and measurement skills.

Prerequisite: Metal Fabrication I

METAL FABRICATION III

Grade Level: 12 Year/ 1.0 credit

This course builds on skills learned in Metals Fabrication II, (but not limited to) safe operation of CNC plasma cutters, lathes, and mills, welding, and metal fabrication techniques. Students will complete projects using shop equipment, hand tools, and power tools to develop safety and measurement skills. **Prerequisite: Teacher approval**
Prerequisite: Metal Fabrication II

FALCON ENTERPRISES

Grade: 10-12 Year/ 1.0 credit

A work-based class that incorporates technical shop skills, entrepreneurial business skills, and graphic design. Students will acquire real-world job experience.

Prerequisite: Teacher recommendation is required, with experience in either Tech Ed, Business, or Graphic Arts classes.

HOME MAINTENANCE

Grade: 10-12 Year/ .5 credit

This course provides students the opportunity to be able to assess and repair common home problems, including plumbing, electrical, tiling, drywall/painting.

WORLD LANGUAGES

SPANISH 1

Grade Level: 9-12 Year/ 1.0 credit

Students will be introduced to the pronunciation, vocabulary and grammar of the language. The culture of the people who speak that language will be included. Equal emphasis is placed on listening, speaking, reading, and writing in Spanish.

SPANISH 2

Grade Level: 10-12 Year/ 1.0 credit

Students will improve their abilities in understanding, speaking and writing the language. Reading skills will be developed. There will be continued study of the culture of Spanish speaking people.

Prerequisite: Completion of Spanish 1

SPANISH 3

Grade Level: 11-12 Year/ 1.0 credit

Students will expand their skills in speaking, listening, reading, and writing in combination with the study of the culture of the Spanish speaking people.

Prerequisite: Completion of Spanish 2

SPANISH 4

Grade Level: 12 Year/ 1.0 credit

Students will acquire more in-depth skills in speaking, listening, reading, and writing using selected cultural materials.

Prerequisite: Completion of Spanish 3

ADDITIONAL ELECTIVES

DANCE EXPOSE'

Grade Level: 9-12 Year/ 1.0 credit

Students will be exposed to a variety of dance styles (for example: ballet, jazz, and modern dance). They will explore and learn physical movement techniques and the aesthetics related to the art of several dance genres. Students will work on stamina, flexibility, and strength. Stage presence and performance will increase. Attendance / Participation is required for all scheduled performance events.

DRIVER'S EDUCATION

Grade Level: 10-12 Semester/ 0.5 credit

DMV-approved course prepares students to earn their licenses and be safe drivers.

Prerequisites: Must be in good academic standing (at least a 2.0 cumulative GPA), no more than 10 unexcused periods during the 2 quarters prior to enrolling in the course, and cannot have any prior driving offenses.

FRESHMEN GUIDED STUDY HALL

Grade Level: 9 Year/ 1.0 credit

OFFICE AIDE

Grade Level: 10-12 Semester/ 0.5 credit or Year/ 1.0 credit

EARLY COLLEGE CREDIT

Grade Level: 11-12 Credits vary

WORK EXPERIENCE

Grade Level: 12 Semester/ 0.5 credit or Year/ 1.0 credit

UWO - CAPP COLLEGE READING STRATEGIES

Grade Level: 11 Semester/ 0.5 credit