

COURSE DESCRIPTIONS

ART & MULTIMEDIA DESIGN

Multimedia Art & Design is a daily 7th and 8th grade art exploratory. This course is offered as a semester class but can be taken year round, especially for those interested in the professional field of art or art education. Students will explore both 2D and 3D art, many styles and periods in the form of illustrations, painting, sculpture, digital art and mixed media. Art & Design students will develop a wide range of skills that will help them develop career readiness skills in many fields such as independent artist, education, book/comic book illustrator, graphic design, animation, baker, architect/architecture, dentistry, clothing and apparel fashion designer, product and label design, makeup and hair artist, costume designer among others.

CHOIR

A non-auditioned ensemble available to students in grades 7-8 that prepares students for a lifetime of singing. In addition to learning the repertoire, students will learn proper vocal technique and music theory. Mixed Choir will sing a varied repertoire of selected literature in two-part, and three-part. Students will participate in multiple concerts.

BAND 7

This is the 2nd year of instruction of learning to play an instrument in band. Students will participate in multiple band concerts

BAND 8

This is the 3rd year of instruction of learning to play an instrument in band. Students will participate in multiple band concerts

SEWING BASICS

In Sewing Basics students will develop sewing skills while creating easy-to-sew projects. Projects may include pajama pants/shorts, a drawstring bag and hand sewn felt monsters. Students will be introduced to beginning sewing skills such as sewing terminology, hand sewing techniques, sewing machines, patterns and construction techniques. Students will be required to pay a \$20 course fee for supplies.

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CHILD DEVELOPMENT

Child Development will build a positive understanding of children's growth and development and a solid foundation of parenting skills. Child Development students learn theories of development and growth as well as techniques to use when working with children through class activities, projects (ex. Egg Baby Project), presentations, discussions, and videos. Child Development is a beneficial class for anyone interested in being a teacher, day care provider, nurse, doctor, and especially a parent.

FOOD AND NUTRITION

This course provides the fundamental knowledge and understanding of food preparation from purchasing to consumption. Students will develop introductory food preparation skills while preparing simple recipes. Essential skills we will focus on include: Food safety, kitchen safety and sanitation, lab procedures, measuring techniques, basic kitchen math skills and international cooking. Students will be required to pay a \$20 course fee for supplies

INTRO TO BAKING & PASTRY ARTS

This is an introductory course to the world of baking and pastries. Students will learn basic baking and pastry techniques with an emphasis on sanitation and food safety; basic baking fundamentals, and tools used in the baking industry. Students will explore the difference between quick breads and yeast-leavened dough. The students will demonstrate skills in preparing various types of pies, tarts, cookies, and cakes.

INDUSTRIAL TECH

Semester course designed to give students knowledge of processes that include designing, manufacturing, and producing projects made from wood & other materials while using machines and hand tools. \$20 lab fee for materials

ADV. INDUSTRIAL TECH

(8TH GRADE ONLY) An advanced course designed for students who have previously taken Industrial Tech and would like to design/build more advanced projects. Lab fee will depend on chosen project. Can be taken as a semester OR year-long course.

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FLIGHT & SPACE

Students become engineers as they design, prototype, and test models like rockets, planes, satellites, parachutes, and more to learn about the science of flights and what it takes to travel and live in space. They solve real-world aviation and space challenges and plan a mission to Mars. Acting as pilots, students also utilize flight simulators and drones.

STEMAVATIONS

This is a project-based class where students will use the design process to innovate, build, code or create with a wide variety of materials ranging from technology to crafts.

Makers will dig deeper into more advanced individual projects, work with the community, and learn basic entrepreneurial skills to make and sell creations. *Real world projects will vary by season.

PHOTOGRAPHY

In this class students will study the technology and art behind Photography and Screen printing. Through hands on experiences students will create and develop pictures as well as t-shirts. In both areas students will study and learn today's latest techniques with modern equipment. \$20 lab fee for materials

BUSINESS BASICS

Students will be introduced to business concepts including developing a budget for finance and accounting, using their creative skills to learn about graphic design/marketing and practicing business ethic situations. Also, students will learn a variety of computer applications and keyboarding skills as well as explore career opportunities in the business area.

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MED DETECTIVES

Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a sheep brain, investigate disease outbreaks, and explore how a breakdown within the human body can lead to dysfunction. Students will also work on basic first aid/survival skills as well as explore how technology is advancing medicine.

EXPLORING AGRICULTURE

Students will get a brief look at agriculture in the world, America, Missouri and our local community. We will cover the basics of animal and plant sciences and the products derived from the agricultural industry

CONSERVATION OF NATURAL RESOURCES

This course covers the history of the Missouri Conservation Department, the basics of natural resources in our state, and the MO Hunter Education program. Students taking this class will participate in the MO Hunter Education program at no cost, but must pass both the test and practicum (completed in class) to be issued their Hunter Safety card.

QUARTER CLASS DESCRIPTIONS

CODING & ROBOTICS

Design, build, and code real-world objects such as traffic lights, toll booths, and robotic arms using VEX robotics. Students will use robotic mechanisms to engineer zombie prep devices, mini hole golf courses, amusement park rides, and more.

MANUFACTURING TECHNOLOGY

Students will study the techniques and processes designed to improve manufacturing quality and productivity through practice with current CNC and CAD software as well as Laser Engraving machines

WORLD FOODS

This course is designed to educate students about why we eat what we eat. In the class, students will study geography, climate, and culture and how they affect the foods that we eat. We will be learning about and cooking our way through the regions of the United States as well as Latin America, Europe, Mediterranean countries, Asia, and the Middle East and Africa. Lab experiences based on cooking techniques from around the world are part of this course

STREET DRUMMING

Learn to play percussion through the fun and engaging art of bucket drumming. Find your rhythm and increase your motor skills and hand/eye coordination.

SPANISH

Students will learn basic conversation and vocabulary while learning about the Spanish culture.