

### **Exploring Woods**

Grade: 9-12

Prerequisite: None

Length: One semester/.5 credit

Put theory to work and elevate your STEM education in this hands-on class. Learn the safe use of hand and power tools to create projects with wood and other materials in our state-of-the-art wood shop / Makerspace. Study topics include measurement, project planning and budgeting, prototyping, and basic Computer Aided Design and Manufacturing (CAD/CAM). You will have at least two take-home projects at the completion of this course.

### **Construction Trades 1**

Grade: 9-12

Prerequisite: None

Length: One year/one credit

Construction Trades 1 is designed for the student who is interested in entering a career in the trades. It is also perfect for anyone who plans to live in a house. Students in this course use current technology, methods and materials to learn introductory skills in construction trade areas such as electrical, plumbing, framing, HVAC, drywall, surveying and site planning, finish carpentry, masonry, concrete, and more. The focus of this course is both determining an aptitude for a future in the construction trade, and learning basic skills for maintaining a home. Students in this course can earn NCCER certifications. Participation is heavily weighted in this course; no prior experience is required!

### **Exploring Automotive Technologies**

Grade: 9-10

Prerequisite: None

Length: One semester/.5 credit

This course is designed to introduce students to automotive repair basics. Emphasis will be placed on shop safety, hand tools, vehicle maintenance, emergency roadside repairs, internal combustion engine parts and operation. Engine theory and operation is

taught both in the classroom and in the lab.

Students will disassemble a functional 4 stroke small engine, identify components, reassemble and make it run.

### **Exploring Computer Science**

Grade: 9-10

Prerequisite: None

Length: One semester/.5 credit

Exploring Computer Science provides students with an introduction to all computer science courses. Students will expand their problem-solving skills as they venture into game design, coding, computer hardware, audio engineering, Microsoft office, the internet, and more.

### **Exploring Hospitality & Culinary Arts**

Grade: 9-10

Prerequisite: None

Length: One semester/.5 credit

Students will be exposed to industry speakers that elaborate on workforce culture, work habits and professional standards, while conducting active research and exploration of career opportunities within the hospitality, tourism, and restaurant industries. Hands-on learning will take place related to kitchen operations and nomenclature, sanitation and safety, basic knife skills and guest service expectations.

### **Exploring Early Childhood Education**

Grade: 9

Prerequisite: None

Length: One semester/.5 credit

Exploring Early Childhood Education is a one semester introductory course taught in a classroom setting. Students become familiar with children's developmental needs and interests. They participate in hands-on projects and activities that give a fundamental understanding of the care and education of young children.

### **Exploring CAD and Manufacturing**

Grade: 9-10

Prerequisite: None

Length: One semester/.5 credit

In this course students will learn how to use computers to design and manufacture with an emphasis on 3D modeling software and prototyping their designs with 3D printing. An overview of computer programs such as Inventor, Fusion 360, SolidWorks, Mastercam, Aspire, Flash print, Up, and Makerbot desktop will introduce students to Computer Aided Design and Manufacturing.

### **RC and Drone Manufacturing**

Grade: 9-12

Prerequisite: None

Length: One semester/.5 credit

In this course students will learn to use computers to design and modify RC cars and drones. The parts created on CAD software will then be 3D printed and tested. Finally, you will race your classmates in time trials and collect data as evidence. The course uses Fusion 360, a cloud based CAD program explores this specific software in depth.

### **Exploring Graphic Design**

Grade: 9-10

Prerequisite: None

Length: One semester/.5 credit

From doodles to stickers to famous brands, students will be introduced to the incredible world of graphic design. Basic skills will be developed with the use of Photoshop and Illustrator software. Famous designers, influencers and careers will be covered, and students will get the chance to see their designs printed on professionally produced products like buttons and stickers.

### **Exploring Metals Manufacturing**

Grade: 9-12

Prerequisite: None

Length: One semester/.5 credit

Exploring Metals technology is a one semester course that will allow students to explore metals manufacturing. Students will progress at their own pace through projects in welding, machining, sheet metal, and foundry casting. Basic industrial concepts and practices will be covered in the classroom as well as with hands-on activities.

### **Exploring Artistic Metalworking**

Grade: 9-12

Prerequisite: None

Length: One semester/.5 credit

The course is designed to teach students the basic skills and safety for working in a metal shop. The experience is similar but different from the Exploratory class as the Art Metals class will focus on the art side of working with metals while the Exploratory focuses on the career side. Students who pass Art metals will have an equivalent experience to that of an Exploratory student and will receive the same amount of credit. The student will be able to move on to Metals 1 the following year.

### **Women's Choir**

Grade: 9-12

Prerequisite: None

Length: One year/one credit

Women's Choir is for female students new to singing. Members of this choir will develop vocal skills and discover their vocal potential by singing several different styles of music. They will learn the basics of group performance and musicianship. Students should join the choir of their preferred gender identity.

**Men's Choir**

Grade: 9-12

Prerequisite: None

Length: One semester or one year/.5 credit per semester

The men's choir is a non-auditioned course for all males interested in singing. This course gives males the opportunity to discover their singing voice in a fun and comfortable environment. Students will develop basic level musicianship skills and perform appropriate and various styles of music, ranging from classical to pop. Students should join the choir of their preferred gender identity.

**String Orchestra 9**

Grade: 9-12

Prerequisite: Two years of middle school orchestra and teacher approval

Length: One year/one credit

String Orchestra 9 is designed for most incoming freshman. A variety of orchestra literature will be introduced. Students are expected to begin to develop musical concepts and general musicianship on the high school level.

**Concert Band**

Grade: 9-10

Prerequisite: Two years of middle school band,/teacher approval

Length: One year/one credit

The concert band will study the basic band literature. Emphasis will be given to the development of individual instrumental skills.

**Jazz Band**

Grade: 9-12

Prerequisite: Current enrollment in another band class, audition, and teacher approval. Only offered during zero period.

Length: One year/one credit

Jazz Band will offer experiences in the performance of jazz and other current popular

styles of music under conditions which are similar to those found in professional studio, show bands, and dance band work.

**Beginning Guitar**

Grade: 9-12

Prerequisite: None

Length: One semester/.5 credit

This course is designed for students with little or no previous acoustic guitar experience. Students will learn the basics of music notation and guitar performance. The skills of reading and playing chords, along with 'tablature' notation will continue to develop throughout the year.

**Advanced Guitar**

Grade: 9-12

Prerequisite: Pass Beginning Guitar with B or higher, or instructor approval

Length: One semester/.5 credit

This course is designed for students who have completed Beginning Guitar and are ready to learn more advanced guitar technique.

**Scene Study Acting**

Grade: 9-12

Prerequisite: None

Length: One year/one credit

This class exposes students to various acting techniques. Students practice these skills through monologue performances as well as duo and group scene performances. Additionally, students will read three works from various genres and playwrights, analyzing and performing pieces of them.

**Production Stagecraft**

Grade: 9-12

Prerequisite: None

Length: One year/one credit

Students will work backstage to produce theatrical productions and gain experience in stage management, costume and makeup, set construction, lighting design, sound management, and business operations of the production through publicity, ticket management, and house operations. Advanced Production Stagecraft may be taken by students who wish to continue after successfully completing Production Stagecraft.

**Exploring Art**

Grade: 9-12

Prerequisite: None

Length: One semester/.5 credit

Exploring Art is a semester class where students learn how to use a variety of materials, styles, and techniques in two-dimensional and three-dimensional art while also strengthening their self-expression. Students create projects in design, drawing, scratch board, and painting while focusing on the elements and principles of art.

**Art 1**

Grade: 9-12

Prerequisite: None

Length: One year/one credit

Art 1 is a foundation course that allows the student an opportunity to explore a wide variety of materials, styles and techniques in both two-dimensional and three-dimensional art. Students will be exposed to design, drawing, painting, cartooning, ceramics and sculpture.

**Photography 1**

Grade: 9-12

Prerequisite: None

Length: One year/one credit

Students will learn the basics of black and white analog photography using traditional darkroom processes. Students will learn how to improve their photographic shooting skills through the application of composition guidelines and the proper use of light. Additionally, students will learn basic camera functions, and how to print black and white images using photographic paper, chemicals, filters as well as learn burning and dodging techniques. During the latter half of the year, students will explore the use of digital cameras and work independently to gain hands-on experience with basic digital editing techniques using image-editing software. Access to a personal 35mm SLR film camera would greatly improve students' ability to take photos 24/7. A limited number of 35mm SLR cameras will be available for use during the class period and for occasional overnight check out.

**Speech and Debate**

Grade: 9-12

Prerequisite: None

Length: One year/one elective credit

This course introduces students to public speaking and debate skills, as well as specific types of speaking about literature and global issues. The course will begin with an examination of parliamentary and policy debate, integrating regular and varied speaking practice. In the second semester, students will explore specific topics of interest and have an opportunity to speak at various events.

**AP Human Geography**

Grade: 9-12

Prerequisite: Teacher Recommendation

Length: One year/one credit

The Advanced Placement Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. It is an excellent course for preparing students to become geoliterate youth and adults. Students forecasting for this course are expected to be familiar with AP course expectations for effort, attendance and homework. Participation in the AP test experience in May is required for course completion. AP classes require a minimum of five hours of homework, plus reading, per week. Recommended for college-bound juniors and seniors.

**Exploring Student Leadership**

Grade: 9-10

Prerequisite: Teacher approval required; academic progress, attendance and behavior will also be considered Length: One semester/.5 elective credit

This course is designed to introduce students to the principals of leadership. Students will learn goal setting, project planning, evaluation, time management, communication, ethics, community service, and other leadership skills. This course is intended to be an introduction to student leadership to develop student skills prior to entering the yearlong Student Leadership course or running for Student Government. Students in this course will be expected to participate in activities outside the school day. Students in Exploring Leadership will be held to the highest standards of the

student code of conduct and will act as role models to the school.

**Student Government**

Grade: 9-12

Prerequisite: Election to Class Council or the Associate Student Body

Length: One year/one elective credit

This course is designed to support the elected Class Council Officers and Associate Student Body Officers. This course requires significant time to be spent outside of the school day and will occasionally require students to miss class during the school day. The focus of this course is centered around the development of student's individual leadership skills. Students in Student Government will be held to the highest standards of the student code of conduct and will act as role models within the school and community.

**AVID 9**

Grade: 9

Prerequisite: By application

Length: One year/one elective credit

This AVID elective course is designed for students who are academically motivated and have the desire to attend a four-year college after high school graduation. The course emphasizes skill development in WICOR (writing, inquiry, collaboration, organization, and reading). Additionally, students work on building their college resumes through academic achievement, leadership projects, and community service. Students investigate and visit colleges/universities and learn the skills necessary to be successful in high school and post-secondary endeavors. Parents are required to attend AVID parent nights.

**JROTC 1**

Grade: 9-12

Prerequisite: None

Length: One year/one elective credit

This course will give an overview of the JROTC structure and the LET levels. Students will develop basic leadership, follower, and citizenship skills while beginning to learn effective ways to build relationships with peers and coworkers. They will practice conflict resolution and engage in community/ service learning.

**French or Spanish 1**

Grade: 9-12

Prerequisite: None

Not recommended for native speakers.

Length: One year/one credit

During the first year of study in a world language, students build the foundation for basic communication. Listening, comprehension, speaking skills, and pronunciation are emphasized.

**Spanish for Heritage Speakers (levels 1 and 2)**

Grade: 9-12

Prerequisite: Level 1, Early Intermediate Spanish Proficiency. Level 2, Completion of Level 1 or Advanced Spanish Proficiency

Length: One year/one credit

Spanish for Heritage Speakers is designed specifically for native speakers of Spanish who already have some oral language proficiency. The purpose of this course is to enable students whose native language is Spanish to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for a variety of audiences including the family, school, and the community. This course will allow students to explore the cultures of the Hispanic world including their own, and it will enable student to gain a better understanding of the nature of their own language.