

ART

This class introduces a variety of art forms and media such as drawing, ceramics, sculpture, lettering, graphic design, art criticism, and popular crafts as well as an introduction to art appreciation to prepare them for a more serious look or approach at their skill level.

7TH GRADE BAND CLASSES

The student will be learning many new musical concepts--intonation, characteristic sound, balance, blend, phrasing, articulation, dynamics--and making advances in tonal concepts, tone production, rhythm reading, and steady pulse while developing personal technical skills and range on his/her instrument.

CHOIR

Seventh grade chorus takes beginning singers and develops choral methods and music literacy appropriate to a junior high school level. This is an elective course which will meet and rehearse on a regular basis as part of the student's daily schedule. Students will have the opportunity to participate in many outside events including All Region Auditions, Choral Performance Assessment, 2 evening concerts per year and other special daytime performances.

CAREERS:

Exploring Personal Finance

The student will develop the knowledge and skills required for managing their personal and family financial resources. Projects will require students to use academic skills in math. Emphasis is given to understanding and calculating paychecks, creating budgets/spending plans, savings, electronic banking and checking accounts, and calculating insurance.

Leadership and Service Learning (semester)

This course emphasizes the importance of leadership skills, volunteerism and professionalism in the development of personal qualities. This course focuses on the benefits of community service, leadership roles and civic responsibilities. Course projects and activities incorporate and reinforce academic skills such as math and science. Students are encouraged to explore areas of critical and creative thinking, responsibility, and cultural awareness as they relate to character development. Current technology is used to enhance communication skills and promote professionalism.

EAST (application process)

This course is a project-based, service-focused course that blends advanced applications, innovative technology and community partnerships to solve real-world problems. Students in EAST will spend much of their time exploring their own interests and becoming familiar with the technology available in the EAST classroom (Programming, Geographic Information System, Computer-Aided Modeling and Design, Animation, Graphic Design, Digital Filmmaking, Network Design and Maintenance, etc.). There will be a heavy focus on self-directed project-based learning, problem-solving, teamwork, collaboration with peers, and building community partnerships.

YEARBOOK (application process)

Students will be responsible for learning academic skills as well as applying them to the production of the yearbook. This is a unique learning opportunity and assignments will be related to yearbook production and marketing.

ENGINEERING:

Automation and Robotics (semester)

Students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more.

Design and Modeling (semester)

Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

Flight and Space (semester)

The exciting world of aerospace comes alive through Flight and Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil.

Computer Science for Innovators and Makers (semester)

Throughout the unit, students will learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects.

App Creator (semester)

This unit will expose students to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development, and will convey the positive impact of the application of computer science to other disciplines and to society.

Medical Detectives (semester)

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.