



## ELECTIVE COURSES (CONTINUED)

### **Keyboarding I** **28165** **.5 Credit**

Students will learn to key by touch on a computer keyboard. Correct fingering and good techniques will receive primary emphasis. Speed and accuracy will be given secondary emphasis. The fourth row numbers and symbols and the 10-key pad will also be taught. The student will use basic word processing functions on a variety of document types.

### **Theatre I (1 Semester)** **32115** **.5 Credit**

This course is for seventh, eighth, and ninth grade students who are interested in developing acting skills, stage presence, verbal and nonverbal communication, facial gestures, and hand-body movements associated with dramatic performance. Students will prepare and present dialogues, pantomimes, skits, speeches, and monologues for credit in the class.

### **Art I (1 Semester)** **32100** **.5 Credit**

This course gives the student a foundation in the elements and principles of design incorporating drawing, shading, rendering, texture, and using color. Assignments include art making with various mediums of drawing and painting, along with art history and aesthetics.

### **Gateway DM & ST:** **84079** **.5 Credit**

**DM (Design and Modeling)** uses 3D solid modeling software (AutoDesk Inventor) to introduce students to the design process. Students will accurately sketch their ideas on paper, use the computer software to create 3D models, and then using a 3D printer, actually print out their design. If there is time, the models will also be made in the shop using basic shop equipment as part of the **ST** unit.

**ST (Science of Technology)** is where students explore nanotechnology and applied physics. Then students will use what they have learned to make some shop projects and some physics labs. Some of the projects include air powered dragsters, Roller Coaster Mania, ice cream, and electric cars.

### **Gateway AR & ME** **84081** **.5 Credit**

**AR (Automation and Robotics)** has students use VEX Robotics equipment to build mechanisms and various robotic & automation systems to solve problems. Students will also learn basic programming to control their robots. **ME (Magic of Electrons)** teaches students the basics of electronics; how to design and make electrical circuits. They will use basic shop equipment to make some electronic devices and they will design and solder a light operated night light.

\*The combined **Required and Elective credits** for the full 2018-2019 school year will total 7 credits.