

8TH GRADE COURSE DEFINITIONS

REQUIRED COURSES

(5 Credits)

English 8	52010	1 Credit
Integrated Science 8 Life/Earth/Physical	72340	1 Credit
Social Studies 8	77340	1 Credit
Health	73353	.5 Credit
PE	73105	.5 Credit
Math		1 Credit
Math 8	62123	
Math 8 Honors	62124	

*Failing grade in Honors Math may result in removal from this course and placement in Math 8.

ELECTIVE COURSES

(2 Credits)

Spanish I	35210	1 Credit
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This is an introductory course assuming no significant previous experience with the language. Emphasis will be placed on everyday conversation and exposure to cultural perspectives.

Spanish II	35211	1 Credit
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Prerequisite: Successful completion of Spanish I with a grade no less than a "C".

Emphasis is given to developing oral proficiency in Spanish. Other skills, such as listening, reading and writing will also receive serious attention. Another component of the course is the study of Hispanic culture and civilization.

Art I	32100	.5 Credit
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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.

Art II	32101	.5 Credit
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Prerequisite: Art I

This is a more advanced course that includes in-depth instruction in drawing and painting. An emphasis on good design and composition will guide the student's studio work with a wide variety of mediums. Historical perspectives, aesthetics, and critique, coupled with their own art making are explored.

Crafts I (Three-Dimensional Design)	32106	.5 Credit
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This course exposes students to basic processes of three dimensional design and techniques of creating art objects out of paper, clay, fabric, plaster, and more. Students will learn to create sculpture, printing, and pottery by using craftsmanship and design.

Digital Literacy	28350	.5 Credit
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****HIGHLY RECOMMENDED**** This course is designed to equip students with many of the needed computer skills to excel in a digital world and day-to-day life. Students will be exposed to a broad range of computer technology from basic hardware/software to applications and the internet. **Students will complete this course with a prerequisite to move into high school computer literacy courses.**

Business and Marketing	28349	.5 Credit
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Students will be exposed to the fundamental concepts of business and marketing. Skills include basic business concepts, organizational communication, human resources management, entrepreneurship, accounting, finance, and leadership. Students will be exposed to courses within the Business and Marketing Career pathways and leadership organizations, such as FBLA and DECA.

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.

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.

PE **73105** **.5 Credit**
Students will develop lifetime attitudes regarding physical activity and healthy lifestyles. Students will focus on social interaction as well as skill development and sportsmanship in a variety of team sports and activities.
8th Grade students are required to take a half year of PE. If the student would like a full year of PE then it should be requested as an elective.