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## ***HISTORY***

### **Traditional American History 8 (214A)**

This course is designed to look with a clearer focus at the topics related to American History. Areas during the time period from 1787 to 1914 and will include the Constitution; Jeffersonian Era; Civil War and Reconstruction.

### **Academic American History 8 (211)**

American History addresses the historical events within the time period from 1787 to 1914. The concepts / events covered are as follows: the establishment of the government under the Constitution; Jeffersonian Era; Civil War and Reconstruction.

### **Honors American History 8 (212)**

In this course students will expand their awareness of American History from 1787 - 1914. Topics will range from the United States Constitution through the Reconstruction.

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## ***LANGUAGE ARTS***

### **Language! 8 (106)**

The course serves as a follow-up to the Language 7 course. The objective of this class is to expand student awareness, knowledge and application of previously learned reading and listening skills to a variety of text selections, content background, vocabulary, comprehension skills, fluency, and organization. Students will write sophisticated text and communicate beyond the requirements set for the in the 7<sup>th</sup> grade course. The Accelerated Reader Program is a component of this course.

### **Traditional Language Arts 8 (117)**

This course will focus on providing students with clearly defined instruction in the following areas: grammar, paragraph writing, spelling, and vocabulary. Grammar will consist of the parts of speech, sentence parts and diagramming. Paragraph writing will be the development of a topic with major emphasis on procedure, methods and style. Spelling and vocabulary will be coordinated with the grammar and the paragraph writing. The Accelerated Reader Program is a component of this course.

### **Academic Language Arts 8 (108)**

Students will be instructed in the following areas: grammar, paragraph writing, spelling, and vocabulary. Grammar will consist of the parts of speech, sentence parts and diagramming. Paragraph writing will be the development of a topic with major emphasis on procedure, methods and style. Spelling and vocabulary will be coordinated with the grammar and the paragraph writing. The Accelerated Reader Program is a component of this course.

### **Honors Language Arts 8 (110)**

In this course, students will expand their awareness, knowledge and application methods related to grammar, punctuation usage, writing styles and methods. The Accelerated Reader Program is a component of this course.

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## ***MATHEMATICS***

### **Math 8 (414A)**

The course utilizes the second portion of the “Bridge to Algebra” Program that engages students in problem solving through concrete, real life scenarios. The course is comprised of a traditional classroom approach to instruction with exposure to a cognitive computer based tutor. Topics addressed within the course relate to: fractions, mixed numbers, decimals, ratios/proportions, percents, algebraic problem solving, geometric figures/properties and transformations, Pythagorean Theorem, probability and statistics, volume and surface, and linear functions and number systems.

### **Foundations of Pre-Algebra 8 (415A)**

The course is comprised of instruction related to fractions, mixed numbers, decimals, ratios/proportions, percents, algebraic problem solving, geometric figures/properties and transformations, Pythagorean Theorem, probability and statistics, volume and surface, and linear functions and number systems.

### **Algebra IA (416A)**

This course covers the first part of Algebra I course with focus on problems solving of various algebraic functions relative to patterns and linear functions, proportional and linear functions, computation, measurement and estimation, multiple representations, functions/number systems, reasoning and connections.

### **Algebra I (415)**

This course is a more intensive approach to Algebra focusing on a variety of algebraic topics to include: linear and quadratic equations, polynomials, factoring, graphing, working with rational and irrational numbers, developing problem solving skills, etc.

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## ***SCIENCE***

### **Traditional Science 8 (312A)**

Traditional Science 8 is designed to introduce students to Life and Physical Science through the identification / examination of the structure and functions of cells, organisms and genetics, atomic structures and movement, forces of motion, chemistry and the characteristics of light / sound.

### **Academic Science 8 (309)**

The course will expose students to Life Science through the identification of the structure and functions of cells, organisms and genetics. A Physical Science component is also incorporated into the class by examining atomic structures, movement and interaction, forces of motion / energy, chemistry and the characteristics of light / sound.

### **Honors Science 8 (310A)**

In this course, students will expand their awareness of the Life and Physical Science by exploring structures and functions of cells and atoms, organisms and genetics, forces of motion, chemistry and the characteristics of light / sound. Students will learn to utilize the scientific method, formulate a hypothesis, conduct experiments, and learn about controlling variables and interpreting data.

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## ***SPECIALS***

### **Band / Instrumental (664)**

This year long course in instrumental music is offered to those having demonstrated success in the 7<sup>th</sup> grade instrumental music course. The students are brought to an intermediate stage of musical development that culminates in a Spring Concert. Students enrolled in this course will be exposed to the fundamentals necessary for their participation in the high school band program. This is an elective course.

### **Chorus (659)**

Focus of the semester course is on the teaching of basic vocal and singing styles through various styles and selections. The students are brought to an intermediate stage of musical development that culminates in a Spring Concert. This course addresses choral fundamentals necessary for participation in the senior high school chorus program.

### **Music 8 (658)**

This nine week course is designed to enable students to explore various areas of music and covers topics such as rhythm, dictation, theory concepts and the human voice. Students will also be exposed to selections from various 20<sup>th</sup> century artists.

### **Technology Education (551)**

Exploring technology is an activity-based course that introduces students to technology by examining the basic systems of communication, manufacturing, construction, transportation and bio-related areas. During the semester course, students will study the evolution of technology, invention, and innovation, impacts of technology, the systems approach, and various problem solving methods. The course incorporates computer based applications and a hands-on approach through the use of the wood shop.

### **Visual Arts 8 (608)**

The nine week 8<sup>th</sup> grade visual arts course encourages originality, development of skills in the design and media through the creative problem solving process, art criticism, understanding art history and aesthetic perception. It is essential that students be introduced to the arts as a reflection of human imagination and human achievement.

### **Wellness 8 (116)**

The year long fitness-based physical education course will provide fitness education and access to help students understand, improve and maintain their physical well being with heart-rate monitoring as the critical component. Students will also be provided instruction in and practice with the concepts of nutrition and maintaining a healthy lifestyle pertaining to topics as: body systems, dental health, disease prevention and control, drug use / misuse, first aid, and safety. The traditional class instruction coupled with the daily “mini-lessons” for all students in healthy eating habits and good nutrition.