



Hudson School District

Curriculum Overview - **GRADE SEVEN**

Throughout the Seventh Grade school year, students will develop skills and demonstrate competency through their learning of the following content:

English Language Arts

English Language Arts (ELA) focuses on four key skill sets: reading, writing, language, and speaking & listening.

Reading

- Read longer and more challenging literary texts, analyzing how the chapters, scenes, or stanzas work together to tell a story
- Identify and judge an author's point of view and bias
- Use strategies and resources to increase fluency and understanding of nonfiction/informational texts
- Look critically at information to validate a source and cite text evidence

Writing

- Write extended opinion/argument, informational, and narrative pieces with details and proper grammar, spelling, and punctuation
- Complete research projects (group and individual) that include several credible sources and a focused question
- Use technology to produce writing pieces and presentations

Mathematics

Students will expand their mathematics vocabulary as well as their problem-solving strategies. They also practice the art of mathematical communication, think about math concepts and discover the relationships among different sets of numbers.

- Create and solve real life problems using **Ratios & Proportions**
- Think flexibly and reasonably to expand an understanding of **Number Systems** using rational numbers
- Represent relationships and interpret **Expressions & Equations** to determine an unknown value
- Using properties of 2- and 3- dimensional shapes to analyze and represent relationships, and solve authentic problems in **Geometry**
- Design investigations and gather **Statistics** in order to make observations and draw conclusions
- Describe and compare situations involving proportionality and use information in **Functions** and information to justify solutions

Science

Science is divided into three primary areas: life, Earth and space, and physical sciences. In this area, students will be able to...

- Recognize that all living things are made up of cells

Social Studies

Seventh Grade Social Studies focuses on Early Civilizations. Students will gain content knowledge, and understanding of concepts, skills, and processes through study.

- Use historical sources documents, maps, and visuals through **Critical Reading & Viewing**
- Develop clear claims and use evidence from multiple sources to construct an argument of **Writing and Research**
- Explain the various ways physical **Geography** impacted the development of ancient civilizations
- Analyze the influence **People & Events** had on the growth and development of ancient civilizations

Unified Arts

Students have the opportunity to engage in the following Integrated Arts (IA) courses to enhance their educational experience:

- Art
- Band, Chorus, & General Music
- Wellness (Health & Physical Education)
- Total Fitness (Physical Education)
- Foreign Languages

Language

- Use grade level Greek and Latin prefixes, roots, and suffixes to define the meaning of a word
- Rely on context and background knowledge to determine the meaning of unknown words
- Produce complex sentences in order to express meaning or entertain the reader

Speaking & Listening

- Actively participate in classroom discussions by being prepared and engaging with the topic being covered
- Paraphrase information and analyze a speaker’s evidence during discussion
- Present claims, opinions, and information learned from media and books through formal presentations, using multimedia to support the presentation

and are responsible for **Structure, Function, and Information Processing** to enhance understanding

- Explain **Matter and Energy in Organisms and Ecosystems** through the understanding of how matter and energy flow
- Understand **Growth, Development, and Reproduction of Organisms** and the transfer of genetic information
- Examine genetic variations of traits, **Natural Selection and Adaptations**, and change of life forms throughout the history of life on Earth
- Synthesize information in biotic and abiotic factors of **Interdependent Relationships in Ecosystems**
- Ask questions, research the work of others, conduct safe controlled experiments, and draw conclusions about the **Nature of Science**

- Spanish
- Computer Skills
- Technology Education
- Media Literacy and Digital Citizenship
- Computer Science Discoveries
- Project Lead The Way
 - Design & Modeling
 - Automation & Robotics
 - App Creator
 - Innovators & Makers