



Hudson School District

Curriculum Overview - **GRADE SIX**

Throughout the Sixth 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
- Use strategies and resources to increase fluency and understanding of nonfiction/informational texts
- Look critically at information to validate a source

Writing

- Write extended opinion/argument, informational, and narrative pieces with details and proper grammar, spelling, and punctuation
- Complete research projects that include several 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, both orally and in writing.

- 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

Science

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

- Identify and analyze **Earth's Place in the Universe** by observing patterns and the role of gravity in the solar system
- Analyze data, develop a model, and provide evidence for how **Earth's Systems** operate

Social Studies

Sixth Grade Social Studies focuses on World Geography. Students will create compelling questions, determine appropriate sources, and research information to explain the physical and human world, using the **5 Themes of Geography**:

- Location (direction & distance)
- Place (characteristics)
- Human environment interaction
- Movement (of people, goods)
- Region

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
 - Spanish
- Computer Skills
- Technology Education
- Media Literacy and Digital Citizenship
- Computer Science Discoveries

Language

- Use words specific to content areas such as “metaphor” and “characterization”
- 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
- Present claims, opinions, and information learned from media and books through formal presentations, using multimedia to support the presentation

- Ask questions that explore how **Human Activity** alters the geosphere
- Identify the patterns that have shaped **Earth’s History** and use this information to predict future events on a geologic time scale
- Examine the physical and chemical properties of **Matter and its Interactions**
- Ask questions, research the work of others, conduct safe controlled experiments, and draw conclusions about the **Nature of Science**

- Project Lead The Way
 - Design & Modeling
 - Automation & Robotics
 - App Creator
 - Innovators & Makers