SIXTH GRADE

Language Arts

Speaking and Listening

- Students will learn to collaborate, express and listen to ideas, integrate and evaluate information from various sources, use media and visual displays as well as language and grammar strategically to help achieve communicative purposes, and adapt to context and task.

Reading

- Students will learn to proficiently read and comprehend grade level literature and informational text, including seminal U.S. documents of historical and literary significance, at the high end of the grade level text complexity band, with scaffolding as needed. *Standard R.4 includes an asterisk to refer educators back to the Text Complexity Grade Bands and Associated Lexile Ranges in the introduction of the standards.

Writing

- Students will learn to write for a variety of tasks, purposes, and audiences using appropriate grammar/conventions, syntax, and style.

Math

Focus on multiplication and division, ratio and rate, expressions, equations, and understanding statistical thinking.

- Operations with Rational Numbers
- Ratio and Rate Reasoning
- Simplify Expressions and Solve Simple Real-World Equations and Inequalities Involving One Variable
- Represent and Analyze Relationships Between Dependent and Independent Variables
- Mathematical Practices: *Learning, experiencing, and applying skills and attitudes of mathematical content and concepts.*
- Supporting Standards: Computation, Geometry

Science

Understand, observe, explore, and research phenomena and concepts about the Solar System, energy, weather patterns and climate, and ecosystems.

- Structure and Motion Within the Solar System
- Energy Affects Matter
- Earth's Weather Patterns and Climate
- Stability and Change in Ecosystems
- Science and Engineering Practices: *Behaviors that scientists and engineers engage in as they investigate the world and design solutions to problems.*

Social Studies

- Geographic Literacy: Application of spatial understanding and landscape interpretation using globes, maps, and photographs.
- Historical Thinking: Demonstration of historical thinking practices including change and continuity over time, cause and effect relationships, interpretation of primary and secondary sources, and significance of historical events and figures.
- Civic Mindedness: Understanding of civic roles, rights, and responsibilities at various levels: the individual, group, government, and global.
- Economic Understanding: Knowledge of economic concepts and elements of financial literacy.

Healthy Lifestyles

- Demonstrate skills to lay the foundation for long-term healthy behaviors including physical activity, nutrition and stress management.
- Understand common life changes and practice strategies to reduce risk factors and enhance factors that promote positive mental and emotional health.
- Demonstrate advanced skill development, including locomotor and non-locomotor skills, mastering basic manipulative skills while engaged in small group activities(basketball, soccer, flag football, etc.)
- Apply level one skills with an advanced level of efficient movement and performance pattern.

Fine Arts

- *Music*: Explore connections between music genre and history, culture, heritage, and community.
- *Visual Art*: Explore the elements of space in art by using either: fore ground, middle and background, basic optical illusions, or positive and negative space in art.
- *Dance*: Explore the elements of dance through the study of creative movement using the body/mind, time, space, shape, energy and cultural context.
- *Drama*: Explore of the elements of drama through the study of storytelling, oral presentation, script/story, acting/dramatization, design, and audience.

Technology and Computer Science

- Computing Systems: Understanding the differences between computer hardware, software and their components. Describing and identifying hardware and software problems and how they work together as a system.
- Network and Internet: Understanding the importance of passwords, patterns, security measures and threats. Understanding what a network and the internet are, and how information is transmitted across them.
- Data: Making predictions, supporting claims, and determining outcomes.
- Algorithms: Sequencing step by step instructions, loops, bugs, variables, conditionals, and iteration.
- Impacts of Computing: How computing technologies have changed how people live and ways to improve accessibility and usability of technology for the diverse needs and wants of users.
- Keyboarding: Demonstrate correct keyboarding technique.