

FOURTH 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 fluency with multiplication and division, understanding fractions, geometric figures, angles and symmetry.

- Represent and Understand Multiplication and Division
- Develop Understanding of Fractions
- Generalize and Use Place Value Understanding
- Mathematical Practices: *Learning, experiencing, and applying skills and attitudes of mathematical content and concepts.*
- Supporting Standards: Operations and Algebraic Thinking, Measurement and Data, Geometry

Science

Explain, analyze, investigate, and design solutions about organisms, energy transfer, wave patterns, sky patterns.

- Organisms Functioning in their Environment
- Energy Transfer
- Wave Patterns
- Observable Pattern in the Sky
- 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

- Identify strategies that contribute to the value of good health including physical activity, health-enhancing fitness, and nutrition.
- Identify and practice strategies that promote positive mental and emotional health.
- BOTVIN LST program enhances personal self-management, general social, and drug-resistance skills.
- Demonstrates an intermediate level of competency in motor skills and movement patterns.
- Demonstrate efficient movement and performance using space, pathways, shapes, levels, speed, direction and force.

Fine Arts

- *Music:* Perform simple melodies on a melodic instrument (recorder preferred) using proper technique.
- *Visual Art:* Experiment with drawing 3-Dimensional forms using a ruler and the rules of 1 point perspective.
- *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.

