

## SAU9 Fifth Grade Competencies Explained

*Competency refers to a student's ability to transfer and apply knowledge and skills in and across content areas. They represent the big ideas and are assessed at multiple times over the course of a school year. Below is an overview of the different competencies (in bold), as well as some of the related standards.*

### LITERACY

**Foundational Reading** – Students will read to make meaning while flexibly using a variety of strategies, applying and extending literacy skill with increasing independence. They will be able to:

- Apply grade-level phonics and word analysis skills to accurately decode unfamiliar multisyllabic words in context and out of context
- Read accurately and purposefully with appropriate rate and expression, self-correcting and rereading when necessary

**Reading Literary & Informational Texts** – Students will comprehend and draw conclusions about an author's intent in increasingly complex literary and informational texts, citing evidence to support analyses. They will be able to:

- Quote accurately from a text when drawing inferences
- Compare and contrast two or more characters, events, settings, or concepts using specific details
- Determine the meaning of words/phrases, including figurative language
- Explain how texts structures and elements contribute to meaning
- Explain how point of view influences the description of an event
- Integrates, analyzes, and applies information from a variety of sources
- Summarize a text, determining two or more main ideas and explaining how they are supported by key details

**Writing** – Students will write effectively for a variety of purposes and audiences. They will be able to:

- Write coherent, well-developed opinion pieces
- Write organized informative texts with appropriate development
- Write coherent narratives to develop real or imagined experiences or events using descriptive details, and clear event sequences
- Strengthen writing through planning, revision and editing
- Use technology to collaborate on, produce, and publish writing, being able to type 2 pages in a single sitting
- Draw evidence from texts to support analysis, reflection, and research

**Language** – Students will demonstrate command of conventions of standard English grammar and mechanics in writing and speaking. They will be able to:

- Use spelling patterns and generalizations

- Use punctuation and capitalization appropriately
- Determine and clarify meanings of unknown and multiple-meaning words and figurative language, and use those words for effect when speaking and writing

**Speaking & Listening** – Students will initiate and effectively participate in a range of discussions, critically listening and speaking effectively, clearly and persuasively. They will be able to:

- Engage effectively in a range of collaborative discussions with diverse partners, building on others' ideas and expressing their own clearly
- Summarize a written text read aloud, information presented in diverse media and formats, and the points a speaker makes
- Report speaking clearly, sequencing ideas logically, incorporating multimedia, and using facts and relevant details to support ideas/themes

### MATHEMATICS

**Symbolic Expression** – Students will reason abstractly and manipulate symbolic expressions to represent relationships and interpret expressions and equations to determine an unknown value. They will be able to:

- Write/interpret numerical expressions using parentheses/brackets/ braces
- Write simple expressions that record calculations, and interpret numerical expressions without evaluating them
- Use equivalent fractions as a strategy to add and subtract fractions

**Numbers & Number Systems** – Students will expand their understanding of number systems, thinking flexibly and attending to precision and reasonableness when solving problems using rational numbers. They will be able to:

- Understand place value of multi-digit numbers
- Read, write, and compare and round decimals to thousandths
- Explain patterns observed when multiplying/dividing by a power of 10
- Use whole number exponents to denote powers of 10
- Read, write and compare whole numbers up to 1,000,000
- Understand and compare fractions with different denominators

**Reasoning & Computational Strategies** – Students will apply reasoning and use multiple strategies to solve problems. They will be able to:

- Add, subtract, multiply, and divide with multi-digit whole numbers and decimals
- Solve problems by adding and subtracting fractions/mixed numbers

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- Multiply and divide fractions to solve problems
- Convert like measurement units within a given measurement system
- Understand volume, relating it to multiplication and addition

**Geometry** – Students will solve problems using properties of two- and three-dimensional shapes to analyze, represent, and model geometric relationships in authentic applied contexts. They will be able to:

- Graph points/ordered pairs on the coordinate plane to solve problems
- Classify two-dimensional figures into categories based on properties

**Algebraic Functions, Patterns & Relations** – Students will generate two numerical patterns using two given rules. They will identify relationships between corresponding terms.

**Data Analysis, Probability & Statistics** – Students will design investigations and gather data involving data sets.

### SCIENCE

**Students will demonstrate their understanding of scientific concepts and how they are connected through the application of science and engineering practices.** They will study topics relating to Earth, Physical and Life sciences.

- Earth Science: Graph data about where water is found on Earth and how it cycles; Identify patterns in daily changes in length and directions of shadows, day and night, and the seasonal appearance of some stars in the night sky
- Physical Science: Create models of matter, its states and how it reacts when combined
- Life Science: Develop models to demonstrate and apply knowledge of how energy flows through ecosystems

### SOCIAL STUDIES

**Civics & Government** – Students will examine the origins and purposes of rules, laws, and key U.S. constitutional provisions. They will explain how rules and laws change society and how people change rules and laws.

**Geography** – Students will analyze maps to understand the ways in which geographic features influence life in New Hampshire and the United States.

**History** – Students will apply and demonstrate knowledge of major eras, individuals and/or groups who have profoundly affected life in the United States.

### RESEARCH

Students will develop and present, research-based projects which synthesize and integrate information from multiple sources and texts.

### WORK STUDY PRACTICES

**Communication** – Students will be able to share their work using a variety of tools, ask questions to learn more and ask for help when needed.

**Creativity** – Students will be able to use original and flexible thinking to communicate ideas and construct unique products and solutions. They will take risks in their learning, consider alternative perspectives and incorporate diverse resources.

**Collaboration** – Students will be able to work with a group and complete a job. They can listen to others, respecting their ideas, and also express their own ideas.

**Self-Direction** – Students will be able to work through challenges, setting goals, asking for help, identifying areas for improvement, and completing tasks.