

## 21st Century Learning in SAU 15

Twenty-first-century learning enables our students to be academically competitive in the global community. Education must challenge students with rigorous, personalized academic experiences, foster innovation and creativity, and embrace emerging technologies. In a 21st century learning environment, students actively engage in a cohesively integrated curriculum, access information and apply it to authentic problems in our society.

SAU 15 has identified ten essential elements for learning in the 21st century:

- media literacy
- problem solving
- digital citizenship
- creative & innovative thinking
- collaboration
- global awareness
- reflection
- adapting to change
- communication
- core academic mastery

Students who master these skills have the ability to adapt to varied roles and responsibilities, work effectively in a climate of ambiguity and changing priorities hence preparing them for the complex challenges of our ever-changing world.

## Science

*Earth Science:* Students identify and describe weather conditions and recognize that weather patterns change over the seasons.

*Life Science:* Students identify, describe and compare attributes of living and nonliving things.

*Physical Science:* Students describe the properties of magnetism and demonstrate how magnets can move things without touching them.



## Social Studies

*Civics:* Students understand the importance of rules in our school and community.

*Economics:* Students recognize the characteristics of money and describe functions of financial institutions.

*Geography:* Students explore the function and purposes of globes & maps.

*US/NH History:* Students explore national and New Hampshire celebrations, monuments, and symbols.

# SAU 15

AUBURN, CANDIA & HOOKSETT, NH

## GRADE 1 CURRICULUM



SAU 15 CURRICULUM

We have high expectations for our students and teachers. Our comprehensive curriculum is challenging and relevant to all students, providing a strong foundation for success in a global community. Included in this brochure is a sampling of the skills and understandings we focus on in each content area.



# Mathematics

Our core instructional standards for Mathematics stress not only procedural skill but also conceptual understanding. To ensure they are learning the critical information, students will apply their understanding to a range of new problems and situations. In grade 1, instructional time will focus on four critical areas:

- (1) developing understanding of addition, subtraction, and strategies for addition and subtraction within 20;
- (2) developing understanding of whole number relationships and place value, including grouping in tens and ones;
- (3) developing understanding of linear measurement and measuring lengths as iterating length units;
- (4) reasoning about attributes of, and composing and decomposing geometric shapes.

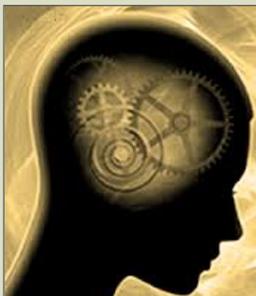


## Standards for Mathematical Practice

The Standards for Mathematical Practice describe habits of mind that educators at all levels seek to develop in their students. These practices rest on “processes and proficiencies” with longstanding importance in mathematics education.

Mathematically proficient students:

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.



# English Language Arts

English Language Arts is comprised of four areas: reading, writing, language, and speaking & listening.

**Reading:** A key requirement for reading is that all students must be able to comprehend texts of steadily increasing complexity as they progress through school. In grade 1, students will:

- know and apply grade-level phonics and word analysis skills in decoding words;
- retell stories, including key details, and demonstrate understanding of their central message or lesson;
- demonstrate understanding of the organization and basic features of print;
- read with sufficient accuracy and fluency to support comprehension.

**Writing:** While all text types are important, particular emphasis is on students’ ability to write sound arguments on substantive topics and issues, as this ability is critical to college and career readiness. In grade 1, students will:

- write opinion/argument, narrative, informative/explanatory pieces in which they introduce the topic and provide details and a sense of closure;
- participate in shared research and writing projects; gather information from provided sources to answer a question.

**Speaking and Listening:** The English language arts classroom includes oral language in a purposeful, systematic way to help students master the printed word. In grade 1, students will:

- produce complete sentences when appropriate to task and situation;
- describe people, places, things, and events with relevant details, expressing ideas and feelings clearly;
- participate in collaborative conversations with diverse partners in small and large groups.

**Language:** Students must be able to communicate effectively in a wide range of print and digital texts, each of which may require different grammatical and usage choices to be effective. In grade 1, students will:

- determine or clarify the meaning of unknown and multiple-meaning words and phrases chosen flexibly from an array of strategies;
- demonstrate command of the conventions of standard English grammar and usage when writing or speaking including capitalization, punctuation, and spelling when writing.