

## 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 understand how the sun, moon and stars seem to move across the sky and that we need the sun to live.

*Life Science:* Students recognize that living things have a life cycle.

*Physical Science:* Students describe the properties of materials and how these materials can change when specific actions are applied to them.



## Social Studies

*Civics:* Students examine responsibilities of individuals as members of family, school, and community.

*Economics:* Students learn about goods & services, and producers & consumers.

*Geography:* Students explore the components and distributions of ecosystems.

*US/NH History:* Students investigate famous people in American history.

*World History:* Students recognize that people of different countries have different social and political beliefs.

# SAU 15

AUBURN, CANDIA & HOOKSETT, NH

## GRADE 2 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 2, instructional time will focus on four critical areas:

- (1) extending understanding of base-ten notation and recognizing that the digits in each place represent specific values;
- (2) using their understanding of addition to develop fluency with addition & subtraction within 100 and to add & subtract within 20 using mental strategies (Students will apply this understanding to solve problems with numbers within 1000);
- (3) recognizing the need for and using standard units of measure;
- (4) describing and analyzing shapes and developing a foundation for understanding area, volume, congruence, similarity, and symmetry.

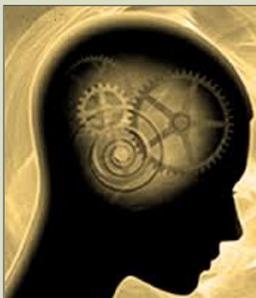


## Standards for Mathematical Practice

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 2, students will:

- know and apply grade-level decoding skills, and read with accuracy and fluency to support comprehension;
- ask and answer questions about a text to demonstrate an understanding of literature and informational text.

**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 2, students will:

- write opinion/argument, informative/explanatory, or narrative texts with appropriate sequence of events, main ideas, details, and closure;
- with support from adults and peers, strengthen writing as needed by revising and editing.

**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 2, students will:

- follow discussion rules to gain the floor, link comments to others’, keep to the topic, and ask for clarification;
- tell a story or recount an experience with appropriate facts and relevant, descriptive ideas.

**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 2, students will:

- use appropriate conventions of standard English grammar such as collective nouns, past tense, adjectives, and adverbs;
- produce, expand, and rearrange complete simple and compound sentences;
- use strategies to determine or clarify the meaning of unknown and multiple-meaning words and phrases.