Early Adventures in Algebra

Grades 1 and 2

Grade Level Expectations for the Sunshine State Standards

MATH

**Strand A: Number Sense, Concepts, and Operations**

**Standard 1:** The student understands the different ways numbers are represented and used in the real world.

**Benchmark**
- MA.A 1.1.1 Associates verbal names and standard numerals with whole numbers.
- MA.A 1.1.2 Understands the relative size of whole numbers.

**Standard 2:** The student understands numbers systems.

**Benchmark**
- MA.A 2.1.1 Understands and applies the concepts of counting, grouping, and place value with whole numbers.
- MA.A. 2.1.2 Uses number patterns and relationships among counting, grouping, and place value strategies to demonstrate an understanding of the whole number system.

**Standard 3:** The student understands the effects of operations on numbers and the relationship among these operations, selects appropriate operations, and computes for problem solving.

**Benchmark**
- MA.A. 3.1.3 Adds and subtracts whole numbers to solve real-world problems using appropriate methods of computing, such as objects, mental mathematics, paper and pencil, calculator.

**Standard 5:** The student understands and applies theories related to numbers.

**Benchmark**
- MA.A. 5.1.1 Classifies and models numbers as even or odd.

**Strand D: Algebraic Thinking**

**Standard 1:** The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.

**Benchmarks (1st grade only)**
- MA.D. 1.1.1a Reasons logically to classify and sort physical objects and events according to attributes such as sound, color, texture, size, and sequence of events.
- MA.D. 1.1.1b Creates and describes various classification schemes related to physical characteristics, sensory attributes, or numeral and geometric concepts.

**Benchmark**
- MA.D. 1.1.2 Recognizes, extends, generalizes, and creates a wide variety of patterns and relationships using symbols and objects.

**Standard 2:** The student uses expressions, equations, inequalities, graphs, and formulas to represent and interpret situations.

**Benchmark (2nd grade only)**
- MA.D. 2.1.1 Understands that geometric symbols can be used to represent unknown quantities in expressions, equations, and inequalities.

**Benchmark**
- MA.D. 2.1.2 Uses informal methods to solve real-world problems requiring simple equations that contain one variable.

**Strand E: Data Analysis and Probability**

**Standard 1:** The student understands and uses the tools of data analysis for managing information.

**Benchmarks**
- MA.E. 1.1.1 Builds and displays pictographs and block graphs using data collected from student activities.
Standard 2: The student identifies patterns and makes predictions from an orderly display of data using concepts of probability and statistics.

**Benchmarks**

- MA.E. 2.1.1 Understands basic concepts of chance and probability.
- MA.E. 2.1.2 Predicts which simple event is more likely, equally likely, or less likely to occur.

Standard 3: The student uses statistical methods to make inferences and valid arguments about real-world situations.

**Benchmark**

- MA.E. 3.1.1 Designs a simple experiment to answer a class question, collects appropriate information, interprets the results using graphical displays of information, such as line graphs, pictographs, bar graphs, and charts.

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**LANGUAGE ARTS – 1ST AND 2ND GRADES**

**Strand B: Writing**

Standard 1: The student uses the writing process effectively.

**Benchmarks**

- LA.B. 1.1.1 Makes a plan for writing that includes a central idea and related ideas.
- LA.B. 1.1.2 Drafts and revises simple sentences and passages, stories, letters, and simple explanations that express ideas clearly; show an awareness of the topic and audience; have a beginning, middle, and ending; effectively use common words; have supporting details; and are in legible printing.

**Strand C: Listening, Viewing, and Speaking**

Standard 1: The student uses listening strategies effectively.

**Benchmarks**

- LA.C. 1.1.1 Listens for a variety of informational purposes including curiosity, pleasure, getting directions, performing tasks, solving problems, and following rules.
- LA.C. 1.1.3 Carries on a conversation with another person, seeking answers and further explanations of the other’s ideas through questioning and answering.
- LA.C. 1.1.4 Retells specific details of the information heard, including sequence of events.

Standard 2: The student uses viewing strategies effectively.

**Benchmarks**

- LA.C. 2.1.1 Determines the main idea in a non-print communication.
- LA.C. 2.1.2 Recognizes simple non-verbal cues, such as use of eye contact, smiles, and simple hand gestures.

Standard 3: The student uses speaking strategies effectively.

**Benchmarks**

- LA.C. 3.1.1 Speaks effectively in large or small group settings.
- LA.C. 3.1.2 Asks questions to seek answers and further explanation of other people’s ideas.
- LA.C. 3.1.3 Speaks effectively in conversation with others.

**Strand D: Language**

Standard 2: The student understands the power of language.

**Benchmark**

- LA.D. 2.1.1 Understands that work choice can shape ideas feelings, and actions.

**Strand E: Literature**

Standard 2: The student responds critically to fiction, nonfiction, poetry, and drama.

**Benchmark**

- LA.E. 2.2.1 Uses personal perspective in responding to a work of literature, such as relating characters and simple events in a story or biography to people or events in his or her own life.
Strand H: The Nature of Science

Standard 1: The student uses the scientific processes and habits of mind to solve problems.

Benchmark

SC.H. 1.1.1 The student knows that in order to learn, it is important to observe the same things often and compare them.

Standard 2: The student understands that most natural events occur in comprehensible, consistent patterns.

Benchmark

SC.H. 2.1.1 The student knows that most natural events occur in patterns.

SLP