Science Standards

BIG IDEA 1: THE PRACTICE OF SCIENCE

A. Scientific inquiry is a multifaceted activity. The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.

B. The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."

C. Scientific argumentation is a necessary part of scientific inquiry and plays an important role in the generation and validation of scientific knowledge.

D. Scientific knowledge is based on observation and inference; it is important to recognize that these are very different things. Not only does science require creativity in its methods and processes, but also in its questions and explanations.

BIG IDEA 5: EARTH IN SPACE AND TIME

Humans continue to explore Earth's place in space. Gravity and energy influence the formation of galaxies, including our own Milky Way Galaxy, stars, the Solar System, and Earth. Humankind's need to explore continues to lead to the development of knowledge and understanding of our Solar System.

BIG IDEA 6: EARTH STRUCTURES

Humans continue to explore the composition & structure of the surface of the Earth. External sources of energy have continuously altered the features of Earth by means of both constructive & destructive forces. All life, including human civilization, is dependent on Earth's water & natural resources.

BIG IDEA 8: PROPERTIES OF MATTER

A. All objects and substances in the world are made of matter. Matter has two fundamental properties: matter takes up space and matter has mass.

B. Objects and substances can be classified by their physical and chemical properties. Mass is the amount of matter (or "stuff") in an object. Weight, on the other hand, is the measure of force of attraction (gravitational force) between and object and Earth.

BIG IDEA 12: MOTION OF OBJECTS

A. Motion is a key characteristic of all matter that can be observed, described, and measured.

B. The motion of objects can be changed by forces.

BIG IDEA 13: FORCES AND CHANGES IN MOTION

A. It takes energy to change the motion of objects.

B. Energy change is understood in terms of forces—pushes or pulls.

C. Some forces act through physical contact, while others act at a distance.

Science Standards

Continued...

BIG IDEA 14: ORGANIZATION & DEVELOPMENT OF LIVING ORGANISMS

A. All plants & animals, including humans, are alike in some ways & different in others.

B. All plants & animals, including humans, have internal parts & external structures that function to keep them alive & help them grow & reproduce.

C. Humans can better understand the natural world through careful observation.

BIG IDEA 16: HEREDITY & REPRODUCTION

A. Offspring of plants & animals are similar to, but not exactly like, their parents or each other.

B. Life cycles vary among organisms, but reproduction is a major stage in the life cycle of all organisms.

BIG IDEA 17: INTERDEPENDENCE

A. Plants & animals, including humans, interact with & depend upon each other & their environment to satisfy their basic needs.

B. Both human activities & natural events can have major impacts on the environment.

C. Energy flows from the sun through producers to consumers.

Reading Standards

BIG IDEA: READING PROCESS

Standard 1: Concepts of Print

Your child should be able to demonstrate knowledge of the concept of print and how it is organized and read.

Standard 3: Phonemic Awareness

Your child should be able to demonstrate phonemic awareness.

Standard 4: Phonics/Word Analysis

Your child should be able to demonstrate knowledge of the alphabetic principle and apply grade level phonics skills to read text.

Standard 5: Fluency

Your child should be able to demonstrate the ability to read grade level text orally with accuracy, appropriate rate, & expression.

Standard 6: Vocabulary Development

Your child will be able to use multiple strategies to develop grade appropriate vocabulary.

Standard 7: Reading Comprehension

Your child should be able to use a variety of strategies to comprehend grade level text.

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http:// www.floridastandards.org

Enterprise Learning Academy

First Grade Standards and Expectations

VISION

Enterprise Learning Academy is an engaging, positive and collaborative community that educates and inspires life-long learners.

MISSION

The mission of Enterprise Learning Academy is to prepare all students with a core foundation so that together we are productive members in a global society.

GUIDELINES FOR SUCCESS

Mannerly Attentive Neat Accepting Trustworthy Enduring Enthusiastic

Writing Standards

BIG IDEA: WRITING PROCESS

Standard 1: Prewriting
Your child should be able to use prewriting strategies to generate ideas and formulate a plan.

Standard 2: Drafting
Your child should be able to write a draft appropriate to the topic, audience, and purpose.

Standard 3: Revising
Your child should be able to revise and refine the draft for clarity and effectiveness.

Standard 4 Editing for Language Conventions
Your child should be able to edit and correct the draft for standard language conventions.

Standard 5: Publishing
Your child should be able to write a final product for the intended audience.

BIG IDEA: WRITING APPLICATIONS

Standard 1: Creative
Your child should be able to develop and demonstrate creative writing.

Standard 2: Informative
Your child should be able to develop and demonstrate technical writing that provides information related to real-world tasks.

Standard 3: Persuasive
Your child should be able to develop and demonstrate persuasive writing that is used for the purpose of influencing the reader.

BIG IDEA: COMMUNICATION

Standard 1 Penmanship
Your child should be able to engage in the writing process & write to communicate ideas and experiences.

Standard 2: Listening and Speaking
Your child should be able to effectively apply listening and speaking strategies.

Reading Standards

BIG IDEA: INFORMATION & MEDIA LITERACY

Standard 1: Informational Text
Your child should be able to comprehend the wide array of informational text that is a part of our day to day experiences.

Standard 2: Research Process
Your child should be able to use a systematic process for the collection, processing, and presentation of information.

Standard 3: Media Literacy
Your child should be able to develop and demonstrate an understanding of media literacy as a life skill that is integral to informed decision making.

Standard 4: Technology
Your child should be able to develop the essential technology skills for using & understanding conventional & current tools, materials, & processes.

BIG IDEA: LITERARY ANALYSIS

Standard 1: Fiction
Your child should be able to identify, analyze, and apply knowledge of the elements of a variety of fiction and literary texts to develop a thoughtful response to a literary selection.

Standard 2: Nonfiction
Your child should be able to identify, analyze, and apply knowledge of the elements of a variety of nonfiction, informational, and expository texts to demonstrate an understanding of the information presented.

***Promotional Requirements for Grade 1 following General Education Curriculum (Regular Standards)**: Promotion of students in Grade 1 is based on teacher judgment that the student has met Sunshine State Standards in communication and mathematics indicated by a final grade of "S" or better with all allowable instructional/assessment accommodations as identified in the student's IEP.*

Mathematics

BIG IDEA 1: Develop understandings of addition & subtraction strategies for basic addition facts & related subtraction facts.

MA.1.A.1.1 Model addition & subtraction situations using the concepts of "part-whole," "adding to," "taking away,""comparing," & "missing addend."

MA.1.A.1.2 Identify, describe, & apply addition & subtraction as inverse operations.

MA.1.A.1.3 Create & use increasingly sophisticated strategies, & use properties such as Commutative, Associative & Additive Identify, to add whole numbers.

MA.1.A.1.4 Use counting strategies, number patterns, & models as a means for solving basic addition & subtraction fact problems.

BIG IDEA 2: Develop an understanding of whole number relationships, including grouping by tens & ones.

MA.1.A.2.1 Compare & order whole numbers at least to 100.

MA.1.A.2.2 Represent two digit numbers in terms of tens & ones.

MA.1.A.2.3 Order counting numbers, compare their relative magnitudes, and represent numbers on a number line.

BIG IDEA 3: Compose & decompose two-dimensional & three-dimensional geometric shapes.

MA.1.G.3.1 Use appropriate vocabulary to compare shapes according to attributes & properties such as number & lengths of sides & number of vertices.

MA.1.G.3.2 Compose & decompose plane & solid figures, including making predictions about them, to build an understanding of part-whole relationships & properties of shapes.

SUPPORTING IDEA 4: ALGEBRA

MA.1.A.4.1 Extend repeating & growing patterns, fill in missing terms, & justify reasoning.

SUPPORTING IDEA 5: GEOMETRY & MEASUREMENT

MA.1.G.5.1 Measure by using iterations of a unit, & count the unit measures by grouping units.

MA.1.G.5.2 Compare & order objects according to descriptors of length, weight, & capacity.

SUPPORTING IDEA 6: NUMBER & OPERATIONS

MA.1.A.6.1 Use mathematical reasoning & beginning understanding of tens & ones, including the use of invented strategies, to solve two-digit addition & subtraction problems.

MA.1.A.6.2 Solve routine & non-routine problems by acting them out, using manipulatives & drawing diagrams.