

Next Generation Science Standards

2-PS1 Matter and Its Interactions

2-PS1-1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

2-PS1-2 Analyze data obtained from testing different materials to determine which materials have properties that are best suited for an intended purpose.

K-2-ETS1 Engineering Design

K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

K-2-ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

CCSS Mathematics

Counting & Cardinality

K.CC.B.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects.

Measurement & Data

K.MD.A.1 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.

Geometry

K.G.A.3 Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid").

K.G.B.4 Analyze and compare two- and three- dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/ "corners") and other attributes (e.g., having sides of equal length).

K.G.B.5 Compose simple shapes to form larger shapes. For example, "Can you join these two triangles with full sides touching to make a rectangle?"

CCSS English Language Arts

Reading: Literature

RL.K.1 With prompting and support, ask and answer questions about key details in a text.

Reading: Informational Text

RI.K.3 With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.

Speaking & Listening

SLK.3 Ask and answer question sin order to seek help, get information, or clarify something that is not understood.

Language

LK.6 Use words and phrases acquired through conversations, reading and being read to, and responding to texts.



National Standards Alignment for 79660 Pam and Ava's Mapping Adventure

NAEYC

2.B. Social-Emotional Development

2.B.04 Children have varied opportunities to develop a sense of competence and positive attitudes toward learning, such as persistence, engagement, curiosity, and mastery.

2.B.06 Children have varied opportunities to interact positively, respectfully, and cooperatively with others; learn from and with one another; and resolve conflicts in constructive ways.

2.D. Language Development

2.D.07 Children are provided varied opportunities and materials that encourage them to engage in discussions with one another.

2.E. Early Literacy

2.E.04e Children have varied opportunities to be read the same book on repeated occasions.

2.E.04g Children have varied opportunities to engage in conversations that help them understand the content of the book.

2.F. Early Mathematics

2.F.03 Children are provided varied opportunities and materials to categorize by one or two attributes such as shape, size, and color.

2.F.06 Children are provided varied opportunities and materials to understand basic concepts of geometry by, for example, naming and recognizing two- and three-dimensional shapes and recognizing how figures are composed of different shapes.

2.G. Science

2.G.02 Children are provided varied opportunities and materials to learn key content and principles of science such as earth and sky.

2.G.06 Children are provided varied opportunities and materials that encourage them to think, question, and reason about observed and inferred phenomena.

2.G.05 Children are provided varied opportunities and materials to collect data and to represent and document their findings (e.g., through drawing or graphing). Head Start Early Learning Framework

Head Start Early Learning Framework

Social & Emotional Development

SED.3.3. Follows simple rules, routines, and directions.

Approaches to Learning

AL.1.1. Demonstrates flexibility, imagination, and inventiveness in approaching tasks and activities.

Logic & Reasoning

LR.1.1. Seeks multiple solutions to a question, task, or problem.
LR.1.3. Classifies, compares, and contrasts objects, events, and experiences.

Literacy Knowledge & Skills

LKS.5.3. Uses scribbles, shapes, pictures, and letters to represent objects, stories, experiences, or ideas.

Mathematics Knowledge & Skills

MKS.2.1. Uses a range of strategies, such as counting, subitizing, or matching, to compare quantity in two sets of objects and describes the comparison with terms, such as more, less, greater than, fewer, or equal to.

MKS.3.4. Understands directionality, order, and position of objects, such as up, down, in front, behind.

Science Knowledge & Skills

SKS.1.1. Uses senses and tools, including technology, to gather information, investigate materials, and observe processes and relationships.

SKS.1.4. Collects, describes, and records information through discussions, drawings, maps, and charts.

SKS.1.5. Describes and discusses predictions, explanations, and generalizations based on past experience.