



National Standards Readiness for 79610 Ron's Ramp Adventure

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.4 Understand the relationship between numbers and quantities; connect counting to 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.

K.MD.A.2 Directly compare two objects with a measurable attribute in common, to see which object has "more of/less of" the attribute, and describe the difference. *For example, directly compare the heights of two children and describe one child as taller/shorter.*

CCSS English Language Arts

Reading: Literature

RL.K.4 Ask and answer questions about unknown words in a text.

RL.K.7 With prompting and support, describe the relationship between illustrations and the story in which they appear (e.g., what moment in a story an illustration depicts).

Writing

W.K.8 With guidance from adults, recall information from experiences or gather information from provided sources to answer a question.

Speaking & Listening

SLK.1 Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and large groups.



National Standards Alignment for 79610 Ron's Ramp 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.04 Children have varied opportunities to be read the same book on repeated occasions.

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

2.F. Early Mathematics

2.F.02 Children are provided varied opportunities and materials to build understanding of numbers, number names, and their relationship to object quantities and to symbols.

2.F.05 Children are provided varied opportunities and materials that help them understand the concept of measurement by using standard and non-standard units of measurement.

2.G. Science

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).

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.08 Children are provided varied opportunities and materials that help them learn and use scientific terminology and vocabulary associated with the content areas.

Head Start Early Learning Framework

Social & Emotional Development

SED.1.2. Cooperates with others.

SED.1.5. Uses socially appropriate behavior with peers and adults, such as helping, sharing, and taking turns.

Approaches to Learning

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

AL.2.2. Sets goals and develops and follows through on plans.

Logic & Reasoning

LR.1.1. Seeks multiple solutions to a question, task, or problem.

LR.1.2. Recognizes cause and effect relationships.

Language Development

LD.2.3. Uses increasingly complex and varied vocabulary.

Mathematics Knowledge & Skills

MKS.1.4. Uses one-to-one counting and subitizing (identifying the number of objects without counting) to determine quantity.

MKS.5.3. Uses nonstandard and standard techniques and tools to measure and compare.

Science Knowledge & Skills

SKS.1.2. Observes and discusses common properties, differences, and comparisons among objects.

SKS.1.3. Participates in simple investigations to form hypotheses, gather observations, draw conclusions, and form generalizations.

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