

## **TRACKS AND MORE**

### **SCIENCE CONTENT STANDARDS**

Grade Kindergarten - Life Sciences:2. Different types of plants and animals inhabit the earth. As a basis for understanding this concept: a. Students know how to observe and describe similarities and differences in the appearance and behavior of plants and animals (e.g., seed-bearing plants, birds, fish, insects). b. Students know stories sometimes give plants and animals attributes they do not really have. c. Students know how to identify major structures of common plants and animals (e.g., stems, leaves, roots, arms, wings, legs).

Investigation and Experimentation: 4. Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will: a. Observe common objects by using the five senses. b. Describe the properties of common objects. c. Describe the relative position of objects by using one reference (e.g., above or below). d. Compare and sort common objects by one physical attribute (e.g., color, shape, texture, size, weight). e. Communicate observations orally and through drawings.

### **LANGUAGE ARTS CONTENT STANDARDS**

Grade K - Reading: 1.0 Word Analysis, Fluency, and Systematic Vocabulary Development Students know about letters, words, and sounds. They apply this knowledge to read simple sentences. Vocabulary and Concept Development 1.17 Identify and sort common words in basic categories (e.g., colors, shapes, foods). 1.18 Describe common objects and events in both general and specific language.

Written and Oral English Language Conventions: The standards for written and oral English language conventions have been placed between those for writing and for listening and speaking because these conventions are essential to both sets of skills. 1.0 Students write and speak with a command of standard English conventions. Sentence Structure 1.1 Recognize and use complete, coherent sentences when speaking.

Listening And Speaking: 1.0. Listening and Speaking Strategies Students listen and respond to oral communication. They speak in clear and coherent sentences. Comprehension: 1.1 Understand and follow one- and two-step oral directions. 1.2 Share information and ideas, speaking audibly in complete, coherent sentences. 2.0. Speaking Applications (Genres and Their Characteristics) Students deliver brief recitations and oral presentations about familiar experiences or interests, demonstrating command of the organization and delivery strategies outlined in Listening and Speaking Standard 1.0. 2.1 Describe people, places, things (e.g., size, color, shape), locations, and actions. 2.3 Relate an experience or creative story in a logical sequence.

### **MATHEMATICS CONTENT STANDARDS**

Grade K - Number Sense: 1.0 Students understand the relationship between numbers and quantities (i.e., that a set of objects has the same number of objects in different situations regardless of its position or arrangement): 1.1 Compare two or more sets of objects (up to ten objects in each group) and identify which set is equal to, more than, or less than the other.

Algebra and Functions: 1.0 Students sort and classify objects: 1.1 Identify, sort, and classify objects by attribute and identify objects that do not belong to a particular group (e.g., all these balls are green, those are red).

Measurement and Geometry: 1.0 Students understand the concept of time and units to measure it; they understand that objects have properties, such as length, weight, and capacity, and that comparisons may be made by referring to those properties: 1.1 Compare the length, weight, and capacity of objects by making direct comparisons with reference objects; 2.0 Students identify common objects in their environment and describe the geometric features: 2.1 Identify and describe common geometric objects. 2.2 Compare familiar plane and solid objects by common attributes.

Statistics, Data Analysis, and Probability: 1.0 Students collect information about objects and events in their environment: 1.2 Identify, describe, and extend simple patterns (such as circles or triangles) by referring to their shapes, sizes, or colors.