

Content Standard

K.1

Objects have properties that can be observed and used to describe similarities and differences.

Kindergarten

Conceptual Theme: Properties of Matter

Guiding Question: How does the structure of matter affect the properties and uses of materials?

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
<u>Some properties can be observed with the senses, and others can be discovered by using simple tools or tests.</u>	What are some properties that can be observed? How do we use our senses to observe common objects and sort them? How do we extend our senses using simple tools?	A 1. Use the senses and simple measuring tools, such as rulers and equal-arm balances, to observe common objects and sort them into groups based on size, weight, shape or color.	A INQ.1 A INQ.2 A INQ.4 A INQ.6 A INQ.7 A INQ.8 A INQ.9	FOSS - Wood and Paper (Inv. 1) FOSS - Trees (Inv.1, 2)	
Some properties can be observed with the senses, and others can be discovered by using simple tools or <u>tests</u>.	What properties can be determined by testing? What tests can we use to sort objects into groups?	A 2. Sort objects made of materials such as wood, paper and metal into groups based on properties such as flexibility, attraction to magnets, and whether they float or sink in water.	A INQ.1 A INQ.2 A INQ.4 A INQ.6 A INQ.7 A INQ.8 A INQ.9	FOSS - Wood and Paper (Inv. 1, 3)	
Objects can be quantified, and quantities can be compared.	How can we describe how many objects are in a group?	A 3. Count objects in a group and use mathematical terms to describe quantitative relationships such as: same as, more than, less than, equal, etc.	A INQ.4 A INQ.5 A INQ.6 A INQ.9 A INQ.10	FOSS - Wood and Paper (Inv. 1, 5) FOSS - Trees (Inv. 1, 2)	

Content Standard

K.2**Kindergarten***Conceptual Theme: Heredity and Evolution***Many different kinds of living things inhabit the Earth.***Guiding Question: What processes are responsible for life's unity and diversity?*

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
Living things have certain characteristics that make them similar to or distinguish them from other living things.	How can we describe the appearance of animals? How can we describe the behaviors of animals? How can we describe the appearance of plants? How can we describe the behaviors of plants? How are living things alike and different?	A 4. Describe the similarities and differences in the appearance and behaviors of plants, birds, fish, insects and mammals (including humans).	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.5 A INQ.6 A INQ.8	FOSS - Animals Two by Two (Inv. 1, 2, 3, 4, 5) FOSS - Trees (Inv. 1, 2)	
There are similarities and differences in the appearance and behaviors of adults and their offspring.	How are adults and their offspring alike and different?	A.5 Describe the similarities and differences in the appearance and behaviors of adults and their offspring. (* not metamorphosis)	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.5 A INQ.6	FOSS - Animals Two by Two (Inv. 5) FOSSWeb, Activity - Young and Adult Animals	
Living things have certain characteristics that distinguish them from nonliving things, including growth, movement, reproduction and response to stimuli.	How are living things different from nonliving things.	A 6. Describe characteristics that distinguish living from nonliving things.	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.5 A INQ.6	FOSS - Animals Two by Two (Inv. 1) FOSS - Trees (Inv. 1)	

Content Standard

K.3

Weather conditions vary daily and seasonally.

Kindergarten

Conceptual Theme: **Energy in the Earth's Systems**

Guiding Question: **How do external and internal sources of energy affect the Earth's systems?**

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
Weather conditions can be observed and recorded.	How can we observe, describe, and record weather conditions?	A 7. Describe and record daily weather conditions.	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.6 A INQ.7 A INQ.10	Daily Calendar	
Daily and seasonal weather conditions affect what we do, what we wear and how we feel.	How do weather conditions affect what we do, what we wear and how we feel?	A 8. Relate seasonal weather patterns to appropriate choices of clothing and activities.	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.5 A INQ.6	Daily Calendar FOSS - Trees (Inv. 3)	

Content Standard

K.4

Some objects are natural, while others have been designed and made by people to improve the quality of life.

Kindergarten

Conceptual Theme: Science and Technology in Society

Guiding Question: How do science and technology affect the quality of our lives?

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
Humans select both natural and man-made materials to build shelters based on local climate conditions, properties of the materials and their availability in the environment.	Why do people build shelters (houses)? How are houses alike and different? What materials do people use to build houses? Why might one material be better than another for house building?	A 9. Describe the types of materials used by people to build houses, and the properties that make the materials useful.	A INQ.1 A INQ.2 A INQ.3 A INQ.4 A INQ.5 A INQ.6 A INQ.9 A INQ.10	FOSS - Wood and Paper (Inv. 1, 4)	