

Northpoint Horizons

**CAVS
Correlated to the
Texas Essential Knowledge and Skills (TEKS)**

Grade K

This document provides a sampling of the extensive math directives offered throughout the CAVS program that meet the Texas Essential Knowledge and Skills (TEKS).

Texas Essential Knowledge and Skills	CAVS Grade K-2 Teacher's Guide Examples/Lessons
Knowledge and Skills	
K.1 Scientific processes. The student participates in classroom and field investigations following home and school safety procedures.	
a. demonstrate safe practices during classroom and field investigations	Each CAVS Science lesson has the teacher guiding students through activities emphasizing safe and controlled procedures. Lesson 11 – TG pp. 61-66 <i>How does Earth's land change?</i> Lesson 19 – TG pp. 109-114 <i>What makes heat?</i>
b. learn how to use and conserve resources and materials	Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i> Lesson 11 – TG pp. 61-66 <i>How does Earth's land change?</i>
K.2 Scientific processes. The student develops abilities necessary to do scientific inquiry in the field and the classroom.	
a. ask questions about organisms, objects, and events	Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 17 – TG pp. 97-102 <i>How do magnets move things?</i>
b. plan and conduct simple descriptive investigations	Lesson 15 – TG pp. 85-90 <i>What forms does matter take?</i> Lesson 20 – TG pp. 115-120 <i>What makes sound?</i>

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c. gather information using simple equipment and tools to extend the senses	Lesson 18 – TG pp. 109-114 <i>What makes light?</i> Lesson 19 – TG pp. 115-120 <i>What makes heat?</i>
d. construct reasonable explanations using information	Lesson 8 – TG pp. 43-48 <i>How do living things get food?</i> Lesson 13 – TG pp. 73-78 <i>How do we learn about dinosaurs?</i>
e. communicate findings about simple investigations	Lesson 14 – TG pp. 79-84 <i>What is matter?</i> Lesson 16 – TG pp. 91-96 <i>How do things move?</i>
K.3 Scientific processes. The student knows that information and critical thinking are used in making decisions	
a. make decisions using information	Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 7 – TG pp. 37-42 <i>Where do plants and animals live?</i>
b. discuss and justify the merits of decisions	Lesson 14 – TG pp. 79-84 <i>What is matter?</i> Lesson 19 – TG pp. 115-120 <i>What makes heat?</i>
c. explain a problem in his/her own words and propose a solution	Lesson 6 – TG pp. 31-36 <i>How do mammals grow and change?</i> Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i>
K.4 Scientific processes. The student uses age-appropriate tools and models to verify that organisms and objects and parts of organisms and objects can be observed, described, and measured.	
a. identify and use senses as tools of observation	Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 19 – TG pp. 115-120 <i>What makes heat?</i>

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b. make observations using tools including hand lenses, balances, cups, bowls, and computers	Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i> Lesson 22- TG pp. 127-132 <i>What can you see in the night sky?</i>
K.5 Science concepts. The student knows that organisms, objects, and events have properties and patterns.	
a. describe properties of objects and characteristics of organisms	Lesson 2 – TG pp. 7-12 <i>What are the parts of a plant?</i> Lesson 4 – TG pp. 19 <i>How do frogs grow and change?</i>
b. observe and identify patterns including seasons, growth, and day and night and predict what happens next	Lesson 5 – TG pp. 25-30 <i>How do butterflies grow and change?</i> Lesson 12 – TG pp. 67-72 <i>What are seasons?</i> Lesson 21 – TG pp. 121-126 <i>What can you see in the day sky?</i>
c. recognize and copy patterns seen in charts and graphs.	Lesson 22- TG pp. 127-132 <i>What can you see in the night sky?</i> Lesson 23 – TG pp. 133-138 <i>How does earth move?</i>
K.6 Science concepts. The student knows that systems have parts and are composed of organisms and objects.	
a. sort organisms and objects into groups according to their parts and describe how the groups are formed	Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 3 – TG pp. 13-18 <i>Which animals have a backbone?</i>
b. record observations about parts of plants including leaves, roots, stems, and flowers	Lesson 2 – TG pp. 7-12 <i>What are the parts of a plant?</i> Lesson 8 – TG pp. 43-48 <i>How do living things get food?</i>

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c. record observations about parts of animals including wings, feet, heads, and tails	Lesson 3 – TG pp. 13-18 <i>Which animals have a backbone?</i> Lesson 4 – TG pp. 19-24 <i>How do frogs grow and change?</i> Lesson 6 – TG pp. 31-36 <i>How do mammals grow and change?</i>
d. identify parts that, when separated from the whole, may result in the part or the whole not working, such as cars without wheels and plants without roots	Lesson 2 – TG pp. 7-12 <i>What are the parts of a plant?</i> Lesson 3 – TG pp. 13-18 <i>Which animals have a backbone?</i> Lesson 16 – TG pp. 91-96 <i>How do things move?</i>
e. manipulate parts of objects such as toys, vehicles, or construction sets that, when put together, can do things they cannot do by themselves	Lesson 16 – TG pp. 91-96 <i>How do things move?</i> Lesson 17 – TG pp. 97-102 <i>How do magnets move things?</i>
K.7 Science concepts. The student knows that many types of change occur.	
a. observe, describe, and record changes in size, mass, color, position, quantity, time, temperature, sound, and movement	Lesson 11 – TG pp. 61-66 <i>How does Earth's land change?</i> Lesson 14 – TG pp. 79-84 <i>What is matter?</i> Lesson 15 – TG pp. 85-90 <i>What forms does matter take?</i> Lesson 20 – TG pp. 115-120 <i>What makes sound?</i> Lesson 23 – TG pp. 133-138 <i>How does Earth move?</i>
b. identify that heat causes change, such as ice melting or the Sun warming the air and compare objects according to temperature	Lesson 10 – TG pp. 55-60 <i>What are some kinds of weather?</i> Lesson 19 – TG pp. 109-114 <i>What makes heat?</i>
c. observe and record changes in weather from day to day and over seasons	Lesson 10 – TG pp. 55-60 <i>What are some kinds of weather?</i> Lesson 12 – TG pp. 67-72

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	<i>What are seasons?</i>
d. observe and record changes in the life cycle of organisms	Lesson 4 – TG pp. 19-24 <i>How do frogs grow and change?</i> Lesson 5 – TG pp. 25-30 <i>How do butterflies grow and change?</i> Lesson 6 – TG pp. 31-36 <i>How do mammals grow and change?</i> Lesson 7 – TG pp. 37-42 <i>Where do plants and animals live?</i>
K.8 Science concepts. The student distinguishes between living organisms and nonliving objects.	
a. identify a particular organism or object as living or nonliving	Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 8 – TG pp. 43 <i>How do living things get food?</i>
b. group organisms and objects as living or nonliving	Lesson 1 – TG pp. 1-6 <i>What are living things?</i>
K.9 Science concepts. The student knows that living organisms have basic needs.	
a. identify basic needs of living organisms	Lesson 7 – TG pp. 37-42 <i>Where do plants and animals live?</i> Lesson 8 – TG pp. 43 <i>How do living things get food?</i>
b. give examples of how living organisms depend on each other	Lesson 7 – TG pp. 37-42 <i>Where do plants and animals live?</i> Lesson 8 – TG pp. 43 <i>How do living things get food?</i>
c. identify ways that the Earth can provide resources for life	Lesson 8 – TG pp. 43 <i>How do living things get food?</i> Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i>
K.10 Science concepts. The student knows that the natural world includes rocks, soil, and water.	

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a. observe and describe properties of rocks, soil, and water	Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i> Lesson 11 – TG pp. 61-66 <i>How does Earth's land change?</i> Lesson 13 – TG pp. 73-78 <i>How do we learn about dinosaurs?</i>
b. give examples of ways that rocks, soil, and water are useful	Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i> Lesson 11 – TG pp. 61-66 <i>How does Earth's land change?</i> Lesson 13 – TG pp. 73-78 <i>How do we learn about dinosaurs?</i>