Northpoint Horizons

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

Grade 1

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	
1.1 Scientific processes. The student conducts classroom and field investigations following home and school safety procedures.	
a. demonstrate safe practices during classroom and field investigations	Lesson 9 – TG pp. 49-54 *What is the water cycle?* Lesson 11 – TG pp. 61-66 *How does Earth's land change?* Lesson 13 – TG pp. 73-78 *How do we learn about dinosaurs?*
b. learn how to use and conserve resources and materials	Lesson 9 – TG pp. 49-54 *What is the water cycle?* Lesson 11 – TG pp. 61-66 *How does Earth's land change?*
1.2 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 *What are living things?* Lesson 17 – TG pp. 97-102 *How do magnets move things?*
b. plan and conduct simple descriptive investigations	Lesson 15 – TG pp. 85-90 *What forms does matter take?* Lesson 20 – TG pp. 115-120 *What makes sound?*

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c. gather information using simple equipment and tools to extend the senses	Lesson 18 – TG pp. 109-114 *What makes light?* Lesson 19 – TG pp. 115-120 *What makes heat?*
d. construct reasonable explanations using information	Lesson 8 – TG pp. 43-48 *How do living things get food?* Lesson 13 – TG pp. 73-78 *How do we learn about dinosaurs?*
e. communicate explanations about investigations.	Lesson 14 – TG pp. 79-84 *What is matter?* Lesson 16 – TG pp. 91-96 *How do things move?*
1.3 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 *What are living things?* Lesson 7 – TG pp. 37-42 *Where do plants and animals live?*
b. discuss and justify the merits of decisions	Lesson 14 – TG pp. 79-84 *What is matter?* Lesson 19 – TG pp. 115-120 *What makes heat?*
c. explain a problem in his/her own words and identify a task and solution related to the problem	Lesson 6 – TG pp. 31-36 *How do mammals grow and change?* Lesson 9 – TG pp. 49-54 *What is the water cycle?*
1.4 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. collect information using tools including hand lenses, clocks, computers, thermometers, and balances	Lesson 12 – TG pp. 67-72 *What are seasons?* Lesson 19 – TG pp. 109-114 *What makes heat?*

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b. record and compare collected information	Lesson 1 – TG pp. 1-6 *What are living things?* Lesson 9 – TG pp. 49-54 *What is the water cycle?* Lesson 22 – TG pp. 127-132 *What can you see in the night sky?*
c. measure organisms and objects and parts of organisms and objects, using non-standard units such as paper clips, hands, and pencils	Lesson 14 – TG pp. 79-84 *What is matter?* Lesson 17 – TG pp. 97-102 *How do magnets move things?*
1.5 Science concepts. The student knows that organisms, objects, and events have properties and patterns.	
a. sort objects and events based on properties and patterns	Lesson 10 – TG pp. 55-60 *What are some kinds of weather?* Lesson 12 – TG pp. 67-72 *What are seasons?* Lesson 14 – TG pp. 79-84 *What is matter?*
b. identify, predict, and create patterns including those seen in charts, graphs, and numbers	Lesson 23 – TG pp. 133-138 *How does Earth move?* Lesson 24 – TG pp. 139-144 *What is the solar system?*
1.6 Science concepts. The student knows that systems have parts and are composed of organisms and objects.	
a. sort organisms and objects according to their parts and characteristics	Lesson 1 – TG pp. 1-6 *What are living things?* Lesson 3 – TG pp. 13-18 *Which animals have a backbone?*
b. observe and describe the parts of plants and animals	Lesson 2 – TG pp. 7-12 *What are the parts of a plant?* Lesson 3 – TG pp. 13-18 *Which animals have a backbone?* Lesson 4 – TG pp. 19-24 *How do frogs grow and change?*

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	Lesson 5 – TG pp. 25-30 *How do butterflies grow and change?* Lesson 6 – TG pp. 31-36 *How do mammals grow and change?*
c. manipulate objects such as toys, vehicles, or construction sets so that the parts are separated from the whole which may result in the part or the whole not working	Lesson 16 – TG pp. 91-96 *How do things move?* Lesson 17 – TG pp. 97-102 *How do magnets move things?*
d. identify parts that, when put together, can do things they cannot do by themselves, such as a working camera with film, a car moving with a motor, and an airplane flying with fuel	Lesson 16 – TG pp. 91-96 *How do things move?* Lesson 17 – TG pp. 97-102 *How do magnets move things?*
1.7 Science concepts. The student knows that many types of change occur.	
a. observe, measure, and record changes in size, mass, color, position, quantity, sound, and movement	Lesson 15 – TG pp. 85-90 *What forms does matter take?* Lesson 20 – TG pp. 115-120 *What makes sound?* Lesson 23 – TG pp. 133-138 *How does Earth move?*
b. identify and test ways that heat may cause change such as when ice melts	Lesson 19 – TG pp. 109-114 *What makes heat?*
c. observe and record changes in weather from day to day and over seasons	Lesson 10 – TG pp. 55-50 *What are some kinds of weather?* Lesson 12 – TG pp. 67-72 *What are seasons?*
d. observe and record changes in the life cycle of organisms	Lesson 4 – TG pp. 19-24 *How do frogs grow and change?* Lesson 5 – TG pp. 25-30 *How do butterflies grow and change?* Lesson 6 – TG pp. 31-36 *How do mammals grow and change?*
1.8 Science concepts. The student distinguishes between living organisms and nonliving objects.	

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a. group living organisms and nonliving objects	Lesson 1 – TG pp. 1-6 *What are living things?*
b. compare living organisms and nonliving objects	Lesson 1 – TG pp. 1-6 *What are living things?*
1.9 Science concepts. The student knows that living organisms have basic needs.	
a. identify characteristics of living organisms that allow their basic needs to be met	Lesson 7 – TG pp. 37-42 *Where do plants and animals live?* Lesson 8 – TG pp. 43-48 *How do living things get food?*
b. compare and give examples of the ways living organisms depend on each other for their basic needs	Lesson 7 – TG pp. 37-42 *Where do plants and animals live?* Lesson 8 – TG pp. 43-48 *How do living things get food?*
1.10 Science concepts. The student knows that the natural world includes rocks, soil, and water.	
a. identify and describe a variety of natural sources of water including streams, lakes, and oceans	Lesson 9 – TG pp. 49-54 *What is the water cycle?*
b. observe and describe differences in rocks and soil samples	Lesson 11 – TG pp. 61-66 *How does Earth's land change?* Lesson 13 – TG pp. 73-78 *How do we learn about dinosaurs?*
c. identify how rocks, soil, and water are used and how they can be recycled	Lesson 9 – TG pp. 49-54 *What is the water cycle?* Lesson 11 – TG pp. 61-66 *How does Earth's land change?* Lesson 13 – TG pp. 73-78 *How do we learn about dinosaurs?*