

Northpoint Horizons

CAVS (Content Academic Vocabulary System) Correlated to the Florida State Science Content Standards and Benchmarks

Grade 1

This document provides a sampling of the extensive science directives offered throughout the *CAVS* program that meet the Florida Science Content Standards.

Science Content Standard/Benchmarks	<i>CAVS</i> Science Grade K-2 Teacher's Guide Examples/Lessons
BIG IDEA 1: The Practice of Science	
SC.1.N.1.1 Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.	Each <i>CAVS</i> Science lesson has paired and small group activities to allow students to work in teams and explore to generate questions and explanations. Lesson 2 – TG pp. 7-12: Explore and Learn; Elaborate <i>What are the parts of a plant?</i> Lesson 9 – TG pp. 49-54: Explore and Learn; Elaborate <i>What is the water cycle?</i>
SC.1.N.1.2 Using the five senses as tools, make careful observations, describe objects in terms of number, shape, texture, size, weight, color, and motion, and compare their observations with others.	Lesson 14 – TG pp. 79-84 <i>What is matter?</i> Lesson 20 – TG pp. 115-120 <i>What makes sound?</i>
SC.1.N.1.3 Keep records as appropriate - such as pictorial and written records - of investigations conducted.	Each <i>CAVS</i> Science lesson contains record sheets for students to use in making observations from each investigation conducted. Lesson 2 – TG pp. 10-11 <i>What are the parts of a plant?</i> Lesson 10 – TG pp. 58-59 <i>What are some kinds of weather?</i>

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SC.1.N.1.4 Ask "how do you know?" in appropriate situations.	Lesson 1 – TG pp. 1-6: Flip Book (Whole Group Activity) <i>What are living things?</i> Lesson 5 – TG pp. 25-30: Flip Book (Whole Group Activity) <i>How do butterflies grow and change?</i>
BIG IDEA 5: Earth in Space and Time Humans continue to explore Earth's place in space.	
SC.1.E.5.1 Observe and discuss that there are more stars in the sky than anyone can easily count and that they are not scattered evenly in the sky.	Lesson 22 – TG pp. 127-132 <i>What can you see in the night sky?</i>
SC.1.E.5.2 Explore the Law of Gravity by demonstrating that Earth's gravity pulls any object on or near Earth toward it even though nothing is touching the object.	Lesson 16 – TG pp. 91-96 <i>How do things move?</i>
SC.1.E.5.3 Investigate how magnifiers make things appear bigger and help people see things they could not see without them.	Lesson 1 – TG pp. 1-6: Inquiry Activity (hand lens) <i>What are living things?</i> Lesson 11 – TG pp. 61-66: Inquiry Activity (hand lens) <i>How does Earth's land change?</i>
SC.1.E.5.4 Identify the beneficial and harmful properties of the Sun.	Lesson 21 – TG pp. 121-126 <i>What do you see in the day sky?</i> <i>While introducing this lesson with students, teachers can begin discussion of the beneficial and harmful properties of the Sun.</i>
BIG IDEA 6: Earth Structures	
SC.1.E.6.1 Recognize that water, rocks, soil, and living organisms are found on Earth's surface.	Lesson 7 – TG pp. 37-42 <i>Where do plants and animals live?</i> Lesson 8 – TG pp. 43-48 <i>How do living things get food?</i> 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>

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SC.1.E.6.2 Describe the need for water and how to be safe around water.	Lesson 9 – TG pp. 49-54 <i>What is the water cycle?</i>
SC.1.E.6.3 Recognize that some things in the world around us happen fast and some happen slowly.	Lesson 12 – TG pp. 67-72 <i>What are seasons?</i> Lesson 16 – TG pp. 91-96 <i>How do things move?</i> Lesson 23 – TG pp. 133-138 <i>How does the Earth move?</i>
BIG IDEA 8: Properties of Matter	
SC.1.P.8.1 Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light), texture, and whether objects sink or float.	Lesson 14 – TG pp. 79-84 <i>What is matter?</i> Lesson 15 – TG pp. 85-90 <i>What forms does matter take?</i>
BIG IDEA 12: Motion of Objects	
SC.1.P.12.1 Demonstrate and describe the various ways that objects can move, such as in a straight line, zigzag, back-and-forth, round-and-round, fast, and slow.	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 16 – TG pp. 91-96 <i>How do things move?</i> Lesson 17 – TG pp. 97-102 <i>How do magnets move things?</i> Lesson 23 – TG pp. 133-138 <i>How does Earth move?</i>
BIG IDEA 13: Forces and Changes in Motion	
SC.1.P.13.1 Demonstrate that the way to change the motion of an object is by applying a push or a pull.	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>
BIG IDEA 14: Organization and Development of Living Organisms	

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SC.1.L.14.1 Make observations of living things and their environment using the five senses.	As students explore the science concepts presented in the CAVS program they are encouraged to use the five senses to assist them in comprehension and to verify information. Lesson 1 – TG pp. 1-6 <i>What are living things?</i> Lesson 18 – TG pp. 103-108 <i>What makes light?</i>
SC.1.L.14.2 Identify the major parts of plants, including stem, roots, leaves, and flowers.	Lesson 2 – TG pp. 7-12 <i>What are the parts of a plant?</i>
SC.1.L.14.3 Differentiate between living and nonliving things.	Lesson 1 – TG pp. 1-6 <i>What are living things?</i>
BIG IDEA 16: Heredity and Reproduction	
SC.1.L.16.1 Make observations that plants and animals closely resemble their parents, but variations exist among individuals within a population.	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 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>
BIG IDEA 17: Interdependence	
SC.1.L.17.1 Through observation, recognize that all plants and animals, including humans, need the basic necessities of air, water, food, and space.	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> Lesson 8 – TG pp. 43-48 <i>How do living things get food?</i>