

Northpoint Horizons

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

Grade K

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 |
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| BIG IDEA 1: The Practice of Science | |
| SC.K.N.1.1 Collaborate with a partner to collect information. | Each <i>CAVS</i> Science lesson has a paired activity for students to collaborate and collect information. Lesson 1 – TG p. 3: Elaborate <i>What are living things?</i> Lesson 8 – TG p. 43: Elaborate <i>How do living things get food?</i> |
| SC.K.N.1.2 Make observations of the natural world and know that they are descriptors collected using the five senses. | As students explore the science concepts presented in the <i>CAVS</i> program they are encouraged to use the five senses to assist them in comprehension and to verify information. Lesson 18 – TG pp. 103-108 <i>What makes light?</i> Lesson 19 – TG pp. 109-114 <i>What makes heat?</i> Lesson 20 – TG pp. 115-120 <i>What makes sound?</i> |

| Science Content Standard/Benchmarks | CAVS Science Grade K-2 Teacher's Guide Examples/Lessons |
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| SC.K.N.1.3 Keep records as appropriate -- such as pictorial records -- of investigations conducted. | Each CAVS 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> |
| SC.K.N.1.4 Observe and create a visual representation of an object which includes its major features. | Lesson 4 – TG p. 23 <i>How do frogs grow and change?</i> Lesson 5 – TG p. 29 <i>How do butterflies grow and change?</i> Lesson 6 – TG p. 35 <i>How do mammals grow and change?</i> |
| SC.K.N.1.5 Recognize that learning can come from careful observation. | Each CAVS Science lesson has students making careful observation as they explore the topics presented. Lesson 3 – TG pp. 13-18 <i>Which animals have a backbone?</i> Lesson 7 – TG pp. 37-42 <i>Where do plants and animals live?</i> Lesson 23 – TG pp. 133-138 <i>How does Earth move?</i> |
| BIG IDEA 5: Earth in Space and Time Humans continue to explore Earth's place in space. | |
| SC.K.E.5.1 Explore the Law of Gravity by investigating how objects are pulled toward the ground unless something holds them up. | Lesson 16 – TG pp. 61-96 <i>How do things move?</i> |
| SC.K.E.5.2 Recognize the repeating pattern of day and night. | Lesson 21 – TG pp. 121-126 <i>What can you see in the day sky?</i> 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> |

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| SC.K.E.5.3 Recognize that the Sun can only be seen in the daytime. | Lesson 21 – TG pp. 121-126 <i>What can you see in the day sky?</i> 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> Lesson 24 – TG pp. 139-144 <i>What is the solar system?</i> |
| SC.K.E.5.4 Observe that sometimes the Moon can be seen at night and sometimes during the day. | Lesson 22 – TG pp. 127-132 <i>What can you see in the night sky?</i> |
| SC.K.E.5.5 Observe that things can be big and things can be small as seen from Earth. | Lesson 22 – TG pp. 127-132 <i>What can you see in the night sky?</i> Lesson 24 – TG pp. 139-144 <i>What is the solar system?</i> |
| SC.K.E.5.6 Observe that some objects are far away and some are nearby as seen from Earth. | Lesson 22 – TG pp. 127-132 <i>What can you see in the night sky?</i> Lesson 24 – TG pp. 139-144 <i>What is the solar system?</i> |
| BIG IDEA 8: Properties of Matter | |
| SC.K.P.8.1 Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light) and texture. | 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 9: Changes in Matter | |
| SC.K.P.9.1 Recognize that the shape of materials such as paper and clay can be changed by cutting, tearing, crumpling, smashing, or rolling. | 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 10: Forms of Energy | |
| SC.K.P.10.1 Observe that things that make sound vibrate. | Lesson 20 – TG pp. 115-120 <i>What makes sound?</i> |
| BIG IDEA 12: Motion of Objects | |

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| SC.K.P.12.1 Investigate that things move in different ways, such as fast, slow, etc. | Lesson 16 – TG pp. 91-96 <i>How things move?</i> Lesson 17 – TG pp. 97-102 <i>How do magnets move things?</i> |
| BIG IDEA 13: Forces and Changes in Motion | |
| SC.K.P.13.1 Observe that a push or a pull can change the way an object is moving. | Lesson 16 – TG pp. 91-96 <i>How 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 | |
| SC.K.L.14.1 Recognize the five senses and related body parts. | The following lessons introduce students to basic concepts about animals and can then be used to introduce the five senses and other body parts. Lesson 3 – TG pp. 13-18 <i>Which animals have a backbone?</i> Lesson 6 – TG pp. 31-36 <i>How do mammals grow and change?</i> |
| SC.K.L.14.2 Recognize that some books and other media portray animals and plants with characteristics and behaviors they do not have in real life. | As students explore animals and plants through the CAVS Science lessons, they are made aware of true characteristics and the opportunity arises for discussion of animals and plants as portrayed in some books and other media. |

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| <p>SC.K.L.14.3 Observe plants and animals, describe how they are alike and how they are different in the way they look and in the things they do.</p> | <p>Lesson 1 – TG pp. 1-6 <i>What are living things?</i> 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 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> Lesson 8 – TG pp. 43-48 <i>How do living things get food?</i></p> |