

Northpoint Horizons

Science CAVS™ (Content Academic Vocabulary System) Grades 3-5 Correlated to the FOSS Scope and Sequence

This document provides a sampling of the extensive science directives offered throughout the **Science CAVS™** program that match the FOSS Scope and Sequence.

Content Standards	Science CAVS™ Teacher's Guide 3-5 Lesson Examples
Grades 3-4	
Life Science	
Structures of Life	Lesson 2 – <i>How are plant and animal systems different?</i> Pp. 7-12 Lesson 3 – <i>How do plants reproduce?</i> Pp. 13-18
Earth and Space Science	
Water	Lesson 9 – <i>What is the water cycle?</i> Pp. 49-54
Earth Materials	Lesson 10 – <i>What are the layers of Earth?</i> Pp. 55-60 Lesson 11 – <i>What causes earthquakes and volcanoes?</i> Pp. 61-76 Lesson 12 – <i>How does Earth's surface change?</i> Pp. 67-72 Lesson 13 – <i>What are Earth's natural resources?</i> Pp. 73-78
Sun, Moon, and Stars	Lesson 22 – <i>What is Earth's place in the universe?</i> Pp. 127-132 Lesson 23 – <i>What are patterns in the sky?</i> Pp. 133-138
Physical Science and Technology	
Magnetism and Electricity	Lesson 21 –

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Matter & Energy	<p><i>How does electricity move?</i> Pp. 121-126</p> <p>Lesson 14 – <i>What makes up matter?</i> Pp. 79-84</p> <p>Lesson 15 – <i>How do we measure matter?</i> Pp. 85-90</p> <p>Lesson 16 – <i>How can matter change?</i> Pp. 91-96</p> <p>Lesson 19- <i>How does heat energy move?</i> Pp. 109-114</p> <p>Lesson 20 – <i>How does light energy move?</i> Pp. 115-120</p>
Scientific Reasoning and Technology	
Ideas and Inventions	Lesson 24- <i>What patterns does Earth repeat?</i> Pp. 139-144
Measurement	Lesson 15 – <i>How do we measure matter?</i> Pp. 85-90
Grades 5-6	
Life Science	
Food and Nutrition	Lesson 5 – <i>How does energy flow in an ecosystem?</i> Pp. 25-30
Environments	Lesson 6 – <i>What helps an organism live in its ecosystem?</i> Pp. 31-36
Living Systems	<p>Lesson 1 – <i>How are living things classified?</i> Pp. 1-6</p> <p>Lesson 2 – <i>How are plant and animal systems different?</i> Pp. 7-12</p> <p>Lesson 3 – <i>How do plants reproduce?</i> Pp. 13-18</p> <p>Lesson 4 – <i>What is an ecosystem?</i> Pp. 19-24</p> <p>Lesson 5 – <i>How does energy flow in an ecosystem?</i> Pp. 25-30</p> <p>Lesson 6 – <i>What helps an organism live in its ecosystem?</i> Pp. 31-36</p>

Content Standards	Science CAVS™ Teacher's Guide 3-5 Lesson Examples
Earth and Space Science	
Solar Energy	Lesson 20 – <i>How does light energy move?</i> Pp. 115-120 Lesson 22 – <i>What is Earth's place in the universe?</i> Pp. 127-132
Landforms	Lesson 11 – <i>What causes earthquakes and volcanoes?</i> Pp. 61-76 Lesson 12 – <i>How does Earth's surface change?</i> Pp. 67-72
Water Planet	Lesson 9 – <i>What is the water cycle?</i> Pp. 49-54
Physical Science and Technology	
Levers and Pulleys	Lesson 18 – <i>How do simple machines help things move?</i> Pp. 103-108
Mixtures and Solutions	Lesson 16 – <i>How can matter change?</i> Pp. 91-96
Scientific Reasoning and Technology	
Models and Designs	Lesson 24- <i>What patterns does Earth repeat?</i> Pp. 139-144
Variables	Lesson 5 – <i>How does energy flow in an ecosystem?</i> Pp. 25-30