

REACH Curriculum Map for Grades K–1

Theme 2: Changing Landscapes!

Comprehensive Learning Goal: How is the landscape changing in my area?

Unit 4: Changing Landscapes (Plants)	Unit 5: Physical Features of the Earth	Unit 6: Ecosystems
<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Understand how plants grow and change</li> <li>B. Use scientific processes to directly support the concepts of living things (plants)</li> </ul> <p><b>Lesson 7:</b> How do plants grow and change?</p> <p><b>Lesson 8:</b> What do plants need?</p> <p><b>Aligns to:</b> 1st grade sequence #4: Living Things (Plants) HSP I: Ch. 2, Lessons 1, 3</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Recognize common landforms</li> <li>B. Recognize common bodies of water</li> <li>C. Use scientific processes to directly support the concepts of physical features of the Earth</li> </ul> <p><b>Lesson 9:</b> What are some kinds of land?</p> <p><b>Lesson 10:</b> What are some kinds of water?</p> <p><b>Lesson 11:</b> How does Earth change?</p> <p><b>Aligns to:</b> 1st grade sequence #5: Physical Features of the Earth HSP I: Ch. 5, Lessons 1–3</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Understand the characteristics of life in the ocean</li> <li>B. Understand the characteristics of life on the tundra</li> <li>C. Use scientific processes to directly support concepts of ecosystems</li> </ul> <p><b>Lesson 12:</b> What lives in an ocean?</p> <p><b>Lesson 13:</b> What lives on the tundra?</p> <p><b>Aligns to:</b> 1st grade sequence #7: Ecosystems HSP I: Ch. 4, Lessons 1–3</p>

REACH Curriculum Map for Grades 2–3

Theme 2: Changing Landscapes!

Comprehensive Learning Goal: How is the landscape changing in my area?

Unit 4: Changing Landscapes (Plants)	Unit 5: Physical Features of the Earth	Unit 6: Ecosystems
<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Understand how plants grow and change</li> <li>B. Use scientific processes to directly support the concepts of living things (plants)</li> </ul> <p><b>Lesson 9:</b> What do plants need?</p> <p><b>Lesson 10:</b> What plants are in your area and how can you use them?</p> <p><b>Aligns to:</b> 2nd grade sequence #5: Living Things (Plants) 3rd grade sequence #5: Living Things (Plants) HSP II: Ch.1, Lesson 3 HSP III: Ch. 2, Lesson 1</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Recognize common landforms</li> <li>B. Recognize common bodies of water</li> <li>C. Use scientific processes to directly support the concepts of physical features of the Earth</li> </ul> <p><b>Lesson 11:</b> What are some landforms?</p> <p><b>Lesson 12:</b> What changes Earth's surface?</p> <p><b>Lesson 13:</b> How do landforms change quickly and slowly?</p> <p><b>Aligns to:</b> 2nd grade sequence #6: Physical Features of the Earth 3rd grade sequence #6: Physical Features of the Earth HSP II: Ch.5, Lessons 1, 2 HSP III: Ch. 7, Lessons 1–3</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. <b>*(2nd grade ONLY)</b> Understand the characteristics of life in the ocean and of life on the tundra</li> <li>B. <b>** (3rd grade ONLY)</b> Explain ecosystems and describe some types</li> <li>C. Use scientific processes to directly support concepts of ecosystems</li> </ul> <p><b>Lesson 14:</b> What are food chains and food webs?</p> <p><b>*Lesson 15:</b> What is life like in the ocean and on the tundra?</p> <p><b>**Lesson 15:</b> What are some types of ecosystems?</p> <p><b>Aligns to:</b> 2nd grade sequence #8: Ecosystems 3rd grade sequence #8: Ecosystems HSP II: Ch. 3, Lesson 2; Ch. 4, Lessons 2, 3 HSP III: Ch. 4, Lessons 1–3</p>

REACH Curriculum Map for Grades 4–5

Theme 2: Changing Landscapes!

Comprehensive Learning Goal: How is the landscape changing in my area?

Unit 4: Changing Landscapes (Plants)	Unit 5: Physical Features of the Earth	Unit 6: Ecosystems
<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Understand how plants grow and change</li> <li>B. Connect observations of nature to local or traditional stories that explain a natural event</li> <li>C. Use scientific processes to directly support the concepts of living things (plants)</li> </ul> <p><b>Lesson 8:</b> How do plants grow and change?</p> <p><b>Lesson 9:</b> What plants are in your area and how can you use them?</p> <p><b>Aligns to:</b> 4th grade sequence #5: Living Things (Plants) 5th grade sequence #6: Living Things (Plants) HSP IV: Ch. 2, Lesson 2 HSP V: Ch. 3, Lessons 1, 2</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Describe how waves, wind, water, and ice shape and reshape Earth's surface by eroding rock and soil</li> <li>B. Use scientific processes to directly support the concepts of physical features of the Earth</li> </ul> <p><b>Lesson 10:</b> What are some of Earth's landforms?</p> <p><b>Lesson 11:</b> What is the rock cycle?</p> <p><b>Lesson 12:</b> How do weathering and erosion affect rocks?</p> <p><b>Aligns to:</b> 4th grade sequence #7: Physical Features of the Earth 5th grade sequence #9: Physical Features of the Earth HSP IV: Ch. 8, Lessons 1, 2; Ch. 7, Lesson 3 HSP V: Ch. 9, Lessons 1, 2; Ch. 7, Lesson 3 HSP V: p. 360 – "Science Spin"</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Identify examples of living and non-living things and how they compete</li> <li>B. Identify and organize a simple food chain, diagramming how energy flows through it</li> <li>C. Use scientific processes to directly support concepts of ecosystems</li> </ul> <p><b>Lesson 13:</b> What is an ecosystem?</p> <p><b>Lesson 14:</b> How does energy pass through an ecosystem?</p> <p><b>Lesson 15:</b> How do ecosystems change over time?</p> <p><b>Aligns to:</b> 4th grade sequence #3: Ecosystems 5th grade sequence #4: Ecosystems HSP IV: Ch. 5, Lessons 1–3 HSP V: Ch. 5, Lesson 2; Ch. 6, Lessons 1, 2</p>

REACH Curriculum Map for Grade 6

Theme 2: Changing Landscapes!

Comprehensive Learning Goal: How is the landscape changing in my area?

Unit 2: Changing Landscapes (Plants)	Unit 3: Biological Features	Unit 4: Ecosystems
<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Name what characteristics allow a plant to live successfully on land</li> <li>B. Explain how seeds become new plants (specifically how they move to new places)</li> <li>C. Use scientific processes and inquiry to directly support concepts of plants / plant growth</li> </ul> <p><b>Lesson 4:</b> How do plants meet their needs?</p> <p><b>Lesson 5:</b> What are some types of plants?</p> <p><b>Lesson 6:</b> How do plants respond to their environment?</p> <p><b>Aligns to:</b> M.S. sequence 6.8: Plant Structure, Function, &amp; Life Cycles Glencoe Life Science Ch. 9-10</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Understand the processes in which organisms adapt best to survive in an ecosystem in order to reproduce</li> <li>B. Use scientific processes and inquiry to directly support concepts of biological evolution and natural selection</li> </ul> <p><b>Lesson 7:</b> How do organisms get energy?</p> <p><b>Lesson 8:</b> How do organisms interact?</p> <p><b>Lesson 9:</b> What are biomes?</p> <p><b>Aligns to:</b> M.S. sequence 6.6: Biological Evolution &amp; Natural Selection Glencoe Life Science Ch. 20-22</p>	<p><b>Learning Outcomes:</b> On successful completion of this unit, students will be able to:</p> <ul style="list-style-type: none"> <li>A. Identify biotic and abiotic parts of a habitat</li> <li>B. Understand how ecosystems change over time</li> <li>C. Use scientific processes and inquiry to directly support concepts of ecosystems and resources in ecosystems.</li> </ul> <p><b>Lesson 10:</b> What are ecosystems?</p> <p><b>Lesson 11:</b> How do natural cycles affect ecosystems?</p> <p><b>Lesson 12:</b> How do humans affect ecosystems?</p> <p><b>Aligns to:</b> M.S. sequence 6.9: Ecosystems Glencoe Life Science Ch 20-22</p>