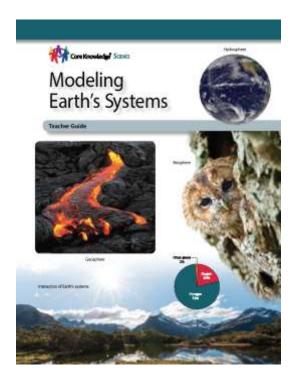


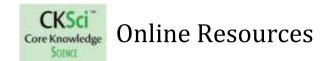
Modeling Earth's Systems

Click on each lesson to access its online resources. Page numbers refer to pages in the Teacher Guide. Some links provide access to files created by the Core Knowledge Foundation, including PDF documents that you can download and view with the appropriate software (such as Adobe Reader).

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Unit Review	<u>UR Lesson</u>
&	Culminating
Assessment	<u>Resources</u>
	<u>Teacher</u> <u>Resources</u>



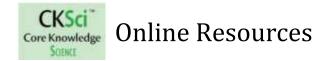
Extend and customize this unit using the CKSci Additional Activities



About This Unit

Page	Resource Links
1	 Note to Teachers and Curriculum Planners The learning progressions of Disciplinary Core Ideas offer guidance regarding the scope and sequence of learning about Earth's Systems in the elementary grades and beyond: ESS2.C The Roles of Water in Earth's Surface Processes ESS2.A: Earth Materials and Systems Learn more about these core ideas and their related content by reading the corresponding section of A Framework for K-12 Science Education. See also the Teachers Resources section of this guide.
2	Notes to Core Knowledge Teachers: 2019 Core Knowledge Science Sequence for this unit: Domain—Modeling Earth's Systems CKSci correlations to the 2010 Core Knowledge Sequence— GRADE 3 GRADE 4 GRADE 5 Interactive graphic of these correlations
3	This unit has been informed by the following Next Generation Science Standards (NGSS) Performance Expectations: Topic—5. Earth's Systems 5-ESS2-1 5-ESS2-2
14	Resources for Effective and Safe Classroom Activities
15	Materials Supply List: Grade 5 Unit 3 Modeling Earth's Systems
17	Pacing Guides for CKSci Grades 3–5

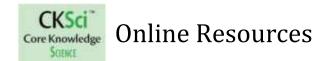
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Part A: SPHERES OF THE EARTH Lesson 1

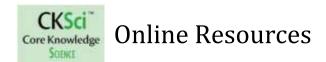
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23	Performance Expectation: • 5-ESS2-1 • Evidence Statements for 5-ESS2-1
	Disciplinary Core Idea: ESS2.A Earth Materials and Systems • From the Framework: pg. 179–182
	 Crosscutting Concept: Systems and System Models From the Framework: pg. 91–94
	Science and Engineering Practice: <i>Developing and Using Models</i> • From the <i>Framework</i> : pg. 56-59
26	[VIDEO] <u>Earth from space</u>

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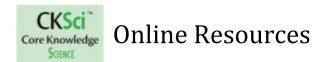
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28	Performance Expectation: • <u>5-ESS2-2</u> • <u>Evidence Statements</u> for 5-ESS2-2
	Disciplinary Core Idea: ESS2.C <i>The Roles of</i> Water in Earth's Surface Processes • From the Framework: pg. 184–186
	Crosscutting Concept: <i>Scale, Proportion, and Quantity</i> • From the <i>Framework</i> : pg. 89–91
	Crosscutting Concept: <i>Systems and System Models</i> • From the <i>Framework</i> : pg. 91–94
	Science and Engineering Practice: <i>Using Mathematics and Computational Thinking</i> • From the <i>Framework</i> : pg. 64-67
29, 31	[web link]Google Earth

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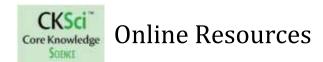
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36	Performance Expectation: • <u>5-ESS2-2</u> • <u>Evidence Statements</u> for 5-ESS2-2
	Disciplinary Core Idea: ESS2.C <i>The Roles of</i> Water in Earth's Surface Processes • From the Framework: pg. 184–186
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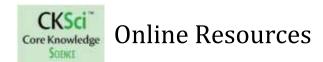
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	• From the <i>Framework</i> : pg. 89–91
	Science and Engineering Practice: Developing and Using Models • From the Framework:
42	pg. 56-59 [VIDEO]Eruption of Kilauea
45	[WEBLINK] <u>Volcano world</u>

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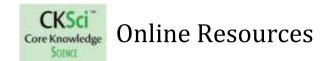
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	Science and Engineering Practice: <i>Developing and Using Models</i>
	 From the Framework: pg. 56-59
58	[weblink]World biome mapTerrestrial biomes

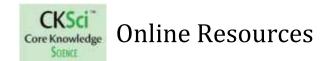
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Part B: MODELING EARTH'S SYTEMS Lesson 7

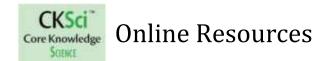
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65	[VIDEO] <u>Landslide</u>
66	[VIDEO]Volcanic eruption
67-68	[WEBLINK options] • Gorilla diorama • Girl with donkey diorama • Water cycle diagram • Flowchart • Organization chart • Venn diagram • Graph

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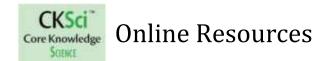
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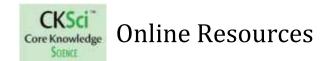
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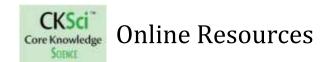
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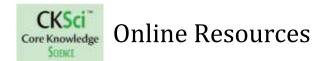
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98	 [WEBLINK OPTIONS] National Geographic PBS Learning Brittanica National Science Foundation-Geosciences National Science Foundation-Biological Sciences National Oceanic and Atmospheric Administration Smithsonian

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Unit Review and Assessment

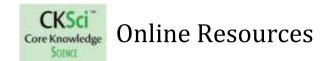
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Teacher Resources

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