

Earth's Resources & Human Impact

Links for all online resource are in this table. Page numbers refer to pages in the Teacher Guide where the online resource is used. 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](#)).



Resource Links	
1	Program-Wide <i>Teacher Handbook: Overview of the Core Knowledge Middle School Science Program</i> Communicating in Scientific Ways (small poster) Classroom Norms (small poster) Unit-Specific Materials Supply List: Grade 7 Unit 6 Earth's Resources & Human Impact Pacing Guide for Grade 7 Unit 6 Earth's Resources & Human Impact Lesson Guidance Slides: 7.6 Earth's Resources & Human Impact Teacher Notes for Lesson Guidance Slides: 7.6 Earth's Resources & Human Impact NGSS Standards and Dimensions
13	[WEBLINK] Middle School Safety Acknowledgment Form
25	[WEBLINK] EPA's Climate Indicators [WEBLINK] National Climate Assessment [WEBLINK] NOAA's Climate Literacy [WEBLINK] Paul Anderson's Bozeman Science video on ESS3D [WEBLINK] NOAA's Climate Resilience Toolkit [WEBLINK] Project Drawdown
Science Literacy: Preface	

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33	[WEBLINK] The Intergovernmental Panel on Climate Change
Lesson 1	
37	[VIDEO] Town Without Water [VIDEO] 7.6 Lesson 1 Floods Hit Towns in US
40	[WEBLINK] CDC Children in Disasters: Teachers and Childcare website
Lesson 2	
58	[VIDEO] 7.6 Lesson 2 Instructions for Gathering Local Data [WEBLINK] StoryMap of Case Sites
69	[WEBLINK] NOAA Climate at a Glance
Science Literacy: Reading Collection 1	
92	[VIDEO] Doomed New Orleans: Hurricane Katrina National Geographic [VIDEO] New Orleans Levee System Aerial Video Tour [VIDEO] How New Orleans sank below sea level (and what they're doing about it) [VIDEO] Are New Orleans' post-Katrina flood defenses strong enough?
Lesson 3	
98	[VIDEO] 7.6 Lesson 3 NASA Water Vapor Visualization [VIDEO] 7.6 Lesson 3 NASA Water Temperature & Water Vapor [VIDEO] 7.6 Lesson 3 Bottle Setup Instructions [VIDEO] 7.6 Lesson 3 Dry & Wet Soil, Unheated, Trial 1 [VIDEO] 7.6 Lesson 3 Dry & Wet Soil, Unheated, Trial 2 [VIDEO] 7.6 Lesson 3 Dry & Wet Soil, Heated, Trial 1 [VIDEO] 7.6 Lesson 3 Dry & Wet Soil, Heated, Trial 2
Science Literacy: Reading Collection 2	
143	[VIDEO] NASA: Responding to Climate Change [VIDEO] WWF: What's the difference between climate change mitigation and adaptation? [VIDEO] Penn State: Adaptation vs. Mitigation [VIDEO] Climate Change Adaptation and Mitigation Climate Wisconsin [VIDEO] Climate Change Adaptation vs. Mitigation [VIDEO] Tuvalu: Sea Level Rise in the Pacific, Loss of Land and Culture [VIDEO] Tuvalu National Adaptation Programme of Action - Essential

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	Adaptation: Planning for Climate Change
Lesson 6	
147	[VIDEO] 7.6 Lesson 6 Alaskan Whaler Interview
148	[WEBLINK] Alaska's Changing Wildfire Environment [WEBLINK] Threshold Podcast
Lesson 8	
172	[WEBLINK] PhET interactive: Molecules and Light
173	[VIDEO] 7.6 Lesson 8 Molecule Assembly
179	[WEBLINK] NASA Simulation: Graphic: The Greenhouse Effect
Science Literacy: Reading Collection 3	
194	[VIDEO] Scotland's peat bogs recognized for their vital role in storing carbon
195	[VIDEO] How New Orleans sank below sea level (and what they're doing about it) [VIDEO] Are New Orleans' post-Katrina flood defenses strong enough?
Lesson 9	
199	[VIDEO] 7.6 Lesson 9 Pouring Carbonated Water [WEBLINK] Using Ice Cores to Study Carbon Dioxide
200	[WEBLINK] Science in Antarctica!-bad link in OSE [WEBLINK] 7.6 Lesson 9 Drilling Ice Cores [WEBLINK] 7.6 Lesson 9 Using Ice Cores [WEBLINK] Using Ice Core Data to Study Carbon Dioxide (Tuva Version)
204	[WEBLINK] 7.6 Lesson 9 Test Ice for Gases [WEBLINK] 7.6 Lesson 9 Using BTB to Test Ice
Lesson 10	
212	[VIDEO] A Short History of Global Emissions from Fossil-Fuel Burning (1750-2010) [VIDEO] 7.6 Lesson 10 Tuva Tips
213	[WEBLINK] Global Energy Consumption Graphed [WEBLINK] Global Energy Consumption-Blank Graph [WEBLINK] Population Growth and CO2 Graphed

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Online Resources

	[WEBLINK] Population Growth and CO2 [VIDEO] 7.6 Lesson 10 Burning Fuels Set Up
224	[VIDEO] 7.6 Lesson 10 Burning Fuels Demonstration
Lesson 11	
239	[VIDEO] Sanitizing with bleach [Note: This resource no longer exists.]
Science Literacy: Reading Collection 3	
265	[VIDEO] How coral reefs will survive in an era of a rapidly acidifying ocean [VIDEO] Rising Ocean Temperatures are "Cooking" Coral Reefs National Geographic [VIDEO] Can Corals Cope with Ocean Acidification? [VIDEO] Teaching about Refugees [VIDEO] The climate crisis, migration, and refugees Brookings Institution
Lesson 13	
270	[VIDEO] UCAR Simple Climate Model
Lesson 14	
284	[WEBLINK] Carbon Emissions Calculator [WEBLINK] CO2 Emissions (metric tons per capita) United States
Lesson 17	
337	[VIDEO] IMAGINE THE FUTURE with Xiye Bastida [WEBLINK] Young Voices
342	[WEBLINK] US Climate Resilience Toolkit

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