

Unit 2: Human Impacts on Earth
Pacing Guide using Inspire Science Earth and Space Unit 3
1 day = 1 hour period

*This unit is paced out to 56 days which is longer than the allotted time period. Teachers will have to make instructional decisions about which Investigations and Labs to complete in order to cut some time out of the pacing guide.

Day	Lesson	Resources
1	Module 1 Module Opener Module 1 Lesson 1: Environmental Pollution Science Probe	Interactive Presentation Module Pretest Module Vocabulary List Interactive Presentation
2	Module 1 Lesson 1: Encounter the Phenomenon Module 1 Lesson 1: Explain the Phenomenon - CER	Interactive Presentation Interactive Presentation
3	Module 1 Lesson 1: Lab - Move Over Module 1 Lesson 1: Read About - How does a growing population impact Earth?	Interactive Presentation Collaboration Kit for supplies Reading Essentials Foldables Interactive Presentation
4	Module 1 Lesson 1: Investigation - The Last Frontier Forests Module 1 Lesson 1: Lab - Modeling	Interactive Presentation Interactive Presentation

	Earth's Farmland	
5	<p>Module 1 Lesson 1: Read About - What are the consequences of using land as a resource?</p> <p>Module 1 Lesson 1: Investigation - Rainfall Runoff</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
6	<p>Module 1 Lesson 1: Read About - What are the consequences of using land as...Impact of Urbanization</p> <p>Module 1 Lesson 1: Read About - What are the consequences of...Landfills and Hazardous Waste</p> <p>Module 1 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
7	<p>Module 1 Lesson 1: 3D Thinking Question</p> <p>Module 1 Lesson 1: Collect Evidence - Part A</p> <p>Module 1 Lesson 1: Investigation - Relaxing on the Refuse</p>	<p>Interactive Presentation</p> <p>Revisit the CER from beginning of lesson</p> <p>Interactive Presentation</p>
8	<p>Module 1 Lesson 1: Investigation - Trash Classification</p> <p>Module 1 Lesson 1: Read About What actions help protect the land? Reduce, Reuse, Recycle</p> <p>Module 1 Lesson 1: Read About - What</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>

	actions help protect the land? Managing Land Resources	
9	Module 1 Lesson 1: Lab - Lose the Leachate	Interactive Presentation Collaboration Kit for supplies
10	Module 1 Lesson 1: Read About - What actions help protect the land? Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson
11	Module 1 Lesson 1: Lesson Review Module 1 Lesson 1: Lesson Check Module 1 Lesson 1: Review CER	Interactive Presentation Lesson Check
12	Module 1 Lesson 2: Warning No Swimming Science Probe Module 1 Lesson 2: Encounter the Phenomenon	Interactive Presentation Interactive Presentation
13	Module 1 Lesson 2: Explain the Phenomenon - CER Module 1 Lesson 2: Lab - Drip Drop	Interactive Presentation Interactive Presentation Collaboration Kit for supplies Reading Essentials Foldables
14	Module 1 Lesson 2: Read About - how do	Interactive Presentation

	<p>humans use water?</p> <p>Module 1 Lesson 2: Investigation - Case Study The Aral Sea</p> <p>Module 1 Lesson 2: Read About - What impacts do humans...Changing the Flow of Surface Water</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
15	<p>Module 1 Lesson 2: Investigation - Sinkholes</p> <p>Module 1 Lesson 2: Read About - What impacts do humans have on water distribution...Groundwater</p> <p>Module 1 Lesson 2: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
16	<p>Module 1 Lesson 2: Lab - Pollution in Motion</p> <p>Module 1 Lesson 2: Read About - How do humans pollute Earth's water? Water Pollution</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p>
17	<p>Module 1 Lesson 2: Read About - How do humans pollute Earth's water? Ocean Pollution</p> <p>Module 1 Lesson 2: Lab - Waves of Waste</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
18	<p>Module 1 Lesson 2: Investigation - Ocean Garbage</p>	<p>Interactive Presentation</p>

	<p>Module 1 Lesson 2: Read About - How do humans pollute Earth's water? Solid Waste</p> <p>Module 1 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
19	Module 1 Lesson 2: Engineering Investigation - Solutions for Pollution	Interactive Presentation
20	Module 1 Lesson 2: Engineering Investigation - Solutions for Pollution	Interactive Presentation
21	<p>Module 1 Lesson 2: Read About - How can we monitor and minimize human impact on water?</p> <p>Module 1 Lesson 2: Collect Evidence - Part C</p> <p>Module 1 Lesson 2: Lesson Review</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>
22	<p>Module 1 Lesson 2: Lesson Check</p> <p>Module 1 Lesson 2: Review CER</p> <p>Module 1 Lesson 3: What is air pollution? Science Probe</p>	<p>Lesson Check</p> <p>Interactive Presentation</p>
23	<p>Module 1 Lesson 3: Encounter the Phenomenon</p> <p>Module 1 Lesson 3: Explain the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	<p>Module 1 Lesson 3: Investigation - In a Haze</p> <p>Module 1 Lesson 3: Investigation - Oh Ozone</p>	<p>Interactive Presentation Reading Essentials Foldables</p> <p>Interactive Presentation</p>
24	<p>Module 1 Lesson 3: Investigation - As a Matter of Fact</p> <p>Module 1 Lesson 3: Read About - What is air pollution?</p> <p>Module 1 Lesson 3: Investigation - Damaging Drizzle</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
25	<p>Module 1 Lesson 3: Lab - Close to Home</p> <p>Module 1 Lesson 3: 3D Thinking Question</p> <p>Module 1 Lesson 3: Collect Evidence - Part A</p> <p>Module 1 Lesson 3: Investigation - International and National Initiatives</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>
26	<p>Module 1 Lesson 3: Investigation - It's Your Turn</p> <p>Module 1 Lesson 3: Read About - How can we protect the atmosphere?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>

27	<p>Module 1 Lesson 3: Engineering Investigation - Debate It</p> <p>Module 1 Lesson 3: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
28	<p>Module 1 Lesson 3: Lesson Review</p> <p>Module 1 Lesson 3: Lesson Check</p> <p>Module 1 Lesson 3: Review CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>
29	<p>Module 1 Lesson 4: Is Earth Getting Warmer? Science Probe</p> <p>Module 1 Lesson 4: Encounter the Phenomenon</p> <p>Module 1 Lesson 4: Explain the Phenomenon - CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
30	<p>Module 1 Lesson 4: Read About - What is climate change?</p> <p>Module 1 Lesson 4: 3D Thinking Question</p> <p>Module 1 Lesson 4: Investigation - For the Record</p> <p>Module 1 Lesson 4: Read About - What do temperature records show?</p>	<p>Interactive Presentation Reading Essentials Foldables</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
31	<p>Module 1 Lesson 4: Read About - What are greenhouse gases and how do they</p>	<p>Interactive Presentation</p>

	<p>affect climate?</p> <p>Module 1 Lesson 4: 3D Thinking Question</p> <p>Module 1 Lesson 4: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
32	<p>Module 1 Lesson 4: Investigation - On the Rise</p> <p>Module 1 Lesson 4: Read About - Where is all of the CO2 coming from?</p> <p>Module 1 Lesson 4: 3D Thinking Question</p> <p>Module 1 Lesson 4: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
33	<p>Module 1 Lesson 4: Investigation - Now You See It, Now You Don't</p> <p>Module 1 Lesson 4: Read About - How is the recent warming trend affecting Earth's ice? Melting Ice</p> <p>Module 1 Lesson 4: Investigation - Signs in the Sea</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
34	<p>Module 1 Lesson 4: Read About - How is climate change affecting Earth's oceans? Rising Seas</p> <p>Module 1 Lesson 4: Read About - How is climate change affecting Earth's...Life Science Connection</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	Module 1 Lesson 4: Lab - An “Eggcellent” Question	Interactive Presentation Collaboration Kit for supplies
35	Module 1 Lesson 4: Read About - How is climate change affecting Earth’s oceans? Ocean pH Module 1 Lesson 4: Collect Evidence - Part C Module 1 Lesson 4: Read About - What can be done? Module 1 Lesson 4: 3D Thinking Question	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation Interactive Presentation
36	Module 1 Lesson 4: Investigation - Envisioning Solutions Module 1 Lesson 4: Collect Evidence - Part D	Interactive Presentation
37	Module 1 Lesson 4: Investigation - Stewards of the Planet Module 1 Lesson 4: Lesson Review Module 1 Lesson 4: Lesson Check Module 1 Lesson 4: Review CER	Interactive Presentation Interactive Presentation Lesson Check
38	Module Wrap Up	Interactive Presentation
39	Module 1 Test	
40	Module 2 Opener	Interactive Presentation Module Pretest

	<p>Module 2 Lesson 1: Population Fluctuation Science Probe</p> <p>Module 2 Lesson 1: Encounter the Phenomenon</p>	<p>Module Vocabulary List</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
41	<p>Module 2 Lesson 1: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 1: Investigation - Here We Grow Again</p> <p>Module 2 Lesson 1: Read About - How fast is the population growing?</p> <p>Module 2 Lesson 1: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Reading Essentials Foldables</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
42	<p>Module 2 Lesson 1: Investigation - Comparing Ages</p> <p>Module 2 Lesson 1: Investigation - Increasing and Decreasing Populations</p> <p>Module 2 Lesson 1: Read About - Is human population growth equal around the world?</p> <p>Module 2 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
43	<p>Module 2 Lesson 1: Lab - Bean There, Done That</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>

	Module 2 Lesson 1: Investigation - Population Simulation	Interactive Presentation
44	Module 2 Lesson 1: Investigation: Resource Consumption Module 2 Lesson 1: Read About - How does human population growth affect natural resources? Module 2 Lesson 1: 3D Thinking Question Module 2 Lesson 1: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson
45	Module 2 Lesson 1: Lesson Review Module 2 Lesson 1: Lesson Check Module 2 Lesson 1: Review CER	Interactive Presentation Interactive Presentation Lesson Check
46	Module 2 Lesson 2: Natural Resources Science Probe Module 2 Lesson 2: Encounter the Phenomenon	Interactive Presentation Interactive Presentation
47	Module 2 Lesson 2: Explain the Phenomenon - CER Module 2 Lesson 2: Investigation - Falling Forests	Interactive Presentation Interactive Presentation Reading Essentials Foldables

	<p>Module 2 Lesson 2: Read About - Why cut down trees?</p> <p>Module 2 Lesson 2: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
48	<p>Module 2 Lesson 2: Investigation - Arc of Deforestation</p> <p>Module 2 Lesson 2: Read About - How does deforestation impact Earth's systems?</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
49	<p>Module 2 Lesson 2: Engineering Investigation - Engineering Solutions</p> <p>Module 2 Lesson 2: Read About - What can be done? Call to Action</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
50	<p>Module 2 Lesson 2: Investigation - Step Toward a Better Future</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Read About - What can be done? Sustainable Resource Use</p> <p>Module 2 Lesson 2: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>

51	Module 2 Lesson 2: Lesson Review Module 2 Lesson 2: Lesson Check Module 2 Lesson 2: Review CER	Interactive Presentation Lesson Check
52	Module Wrap Up	Interactive Presentation
53	Module 2 Test	
54	Benchmark Review	
55	Benchmark Review	
56	Grade 8 Science Unit 2 Benchmark	