

Grade 7 Unit 4: Earth Systems
Pacing Guide using Inspire Science Earth and Space Unit 4
1 day = 1 hour period

- This is an incredibly LONG unit from Inspire.
- Based on the standards, we will only cover portions of each module in order to meet our time constraints.
 - Module 1 - Lesson 2
 - Module 2 - Lessons 2, 4, 5
 - Module 3 - Lesson 2
 - Module 4 - Lesson 1, 3 (only hurricanes & predicting severe weather)

*Even with all the cuts, this unit is paced out to 74 days. Teachers will have to make instructional decisions regarding which Investigation and Labs to include in order to save time in the pacing guide. This unit should take 1 marking period total.

Day	Lesson	Resources
1	Module 1 Opener Module 1 Lesson 2: Scientific Explanations Science Probe Module 1 Lesson 2: Encounter the Phenomenon	Interactive Presentation Module Pretest Module Vocabulary List Interactive Presentation Interactive Presentation
2	Module 1 Lesson 2: Explain the Phenomenon - CER Module 1 Lesson 2: Investigation - Gaps in the Rock Record	Interactive Presentation Interactive Presentation

	Module 1 Lesson 2: Read About - What happens when the rock and fossil records are not complete?	Interactive Presentation Reading Essentials Foldables
3	Module 1 Lesson 2: Investigation - It's a Match Module 1 Lesson 2: Read About - How can we fill gaps in the rock record? Module 1 Lesson 2: 3D Thinking Question Module 1 Lesson 2: Collect Evidence - Part A	Interactive Presentation Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson
4	Module 1 Lesson 2: Investigation - Ashes, Ashes, We All Fall Down Module 1 Lesson 2: Read About - How do major geologic events help build Earth's timeline? Module 1 Lesson 2: 3D Thinking Question	Interactive Presentation Interactive Presentation Interactive Presentation
5	Module 1 Lesson 2: Investigation - The Riddle of the Rocks Module 1 Lesson 2: Read About - How do major geologic events help build Earth's timeline? Module 1 Lesson 2: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson
6	Module 1 Lesson 2: Read About - What is the geologic time scale?	Interactive Presentation

	<p>Module 1 Lesson 2: Investigation - It's About Time</p> <p>Module 1 Lesson 2: Read About - What is the geologic time scale?</p> <p>Module 1 Lesson 2: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
7	Module 1 Lesson 2: Lab - Modeling Metaphors	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
8	Module 1 Lesson 2: Lab - Modeling Metaphors	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
9	<p>Module 1 Lesson 2: Lesson Review</p> <p>Module 1 Lesson 2: Lesson Check</p> <p>Module 1 Lesson 2: Review CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>
10	Module 1 Wrap Up	Interactive Presentation
11	Module 1 Test	
12	<p>Module 2 Opener</p> <p>Module 2 Lesson 2: Earth's Crust Science Probe</p> <p>Module 2 Lesson 2: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Module Pretest</p> <p>Module Vocabulary List</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>

13	<p>Module 2 Lesson 2: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 2: Lab - Simulating Sonar</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies Reading Essentials Foldables</p>
14	<p>Module 2 Lesson 2: Investigation - Under the Sea</p> <p>Module 2 Lesson 2: Collect Evidence - Part A</p> <p>Module 2 Lesson 2: Investigation - Stripes on the Seafloor</p> <p>Module 2 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
15	<p>Module 2 Lesson 2: Seafloor Spreading</p> <p>Module 2 Lesson 2: Read About - So how do continents "drift"?</p> <p>Module 2 Lesson 2: Collect Evidence - Part C</p> <p>Module 2 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>
16	<p>Module 2 Lesson 2: Read About - What is the theory of plate tectonics? Plate Tectonics</p> <p>Module 2 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	<p>Module 2 Lesson 2: Read About - What is the theory of plate tectonics?</p> <p>Module 2 Lesson 2: Collect Evidence - Part D</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
17	<p>Module 2 Lesson 2: Lesson Review</p> <p>Module 2 Lesson 2: Lesson Check</p> <p>Module 2 Lesson 2: Review CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>
18	<p>Module 2 Lesson 4: What is erosion? Science Probe</p> <p>Module 2 Lesson 4: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
19	<p>Module 2 Lesson 4: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 4: Lab - Breaking Rocks</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
20	<p>Module 2 Lesson 4: Read About - What processes change Earth's surface...Weathering</p> <p>Module 2 Lesson 4: Lab - Rock Reactions</p> <p>Module 2 Lesson 4: Read About - What processes change Earth's...Physical Science Connection</p>	<p>Interactive Presentation</p> <p>Reading Essentials</p> <p>Foldables</p> <p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p> <p>Interactive Presentation</p>
21	<p>Module 2 Lesson 4: Investigation - Bye-Bye Beach</p>	<p>Interactive Presentation</p>

	<p>Module 2 Lesson 4: Read About - What processes change Earth's...Erosion and Deposition</p> <p>Module 2 Lesson 4: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
22	<p>Module 2 Lesson 4: Lab - Go With the Flow</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
23	<p>Module 2 Lesson 4: Read About - How does water change Earth's surface?</p> <p>Module 2 Lesson 4: 3D Thinking Question</p> <p>Module 2 Lesson 4: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
24	<p>Module 2 Lesson 4: Lab - Blowing Breezes</p> <p>Module 2 Lesson 4: Read About - How does wind change Earth's...Wind Erosion and Deposition</p> <p>Module 2 Lesson 4: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
25	<p>Module 2 Lesson 4: Read About - How does wind change Earth's...Sediment Transport and Wind</p> <p>Module 2 Lesson 4: Collect Evidence - Part C</p> <p>Module 2 Lesson 4: Investigation - Ice</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>

	Cube Glaciers	Collaboration Kit for supplies
26	<p>Module 2 Lesson 4: Investigation - Glacial Shaping</p> <p>Module 2 Lesson 4: Read About - How does ice change Earth's surface?</p> <p>Module 2 Lesson 4: 3D Thinking Question</p> <p>Module 2 Lesson 4: Collect Evidence - Part D</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
27	<p>Module 2 Lesson 4: Lesson Review</p> <p>Module 2 Lesson 4: Lesson Check</p> <p>Module 2 Lesson 4: Review CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>
28	<p>Module 2 Lesson 5: What is a rock? Science Probe</p> <p>Module 2 Lesson 5: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
29	<p>Module 2 Lesson 5: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 5: Lab - Rock Detail</p> <p>Module 2 Lesson 5: Read About - What is a rock?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation Reading Essentials Foldables</p>
30	Module 2 Lesson 5: Investigation - Sugar	Interactive Presentation

	<p>Rocks</p> <p>Module 2 Lesson 5: Read About - How do igneous rocks form?</p> <p>Module 2 Lesson 5: 3D Thinking Question</p> <p>Module 2 Lesson 5: Collect Evidence - Part A</p>	<p>Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
31	<p>Module 2 Lesson 5: Read About - Where do igneous rocks form?</p> <p>Module 2 Lesson 5: 3D Thinking Question</p> <p>Module 2 Lesson 5: Read About - What happens to rocks at Earth's surface?</p> <p>Module 2 Lesson 5: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
32	<p>Module 2 Lesson 5: Lab - Settle Down</p> <p>Module 2 Lesson 5: Read About - What happens to eroded sediment?</p> <p>Module 2 Lesson 5: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
33	<p>Module 2 Lesson 5: Investigation - Stick to It</p> <p>Module 2 Lesson 5: Read About - How do sedimentary rocks form from layers of sediment?</p> <p>Module 2 Lesson 5: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>

34	<p>Module 2 Lesson 5: 3D Thinking Question</p> <p>Module 2 Lesson 5: Read About - What are the different types of sedimentary rocks?</p> <p>Module 2 Lesson 5: Lab - Metamorphic Sandwich</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
35	<p>Module 2 Lesson 5: Read About - How do metamorphic rocks form? Metamorphic Rocks</p> <p>Module 2 Lesson 5: 3D Thinking Question</p> <p>Module 2 Lesson 5: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
36	<p>Module 2 Lesson 5: Read About - How do metamorphic rocks form? Uplift</p> <p>Module 2 Lesson 5: Investigation - Rock Cycle</p> <p>Module 2 Lesson 5: Read About - How do rocks change?</p> <p>Module 2 Lesson 5: 3D Thinking Question</p> <p>Module 2 Lesson 5: Collect Evidence - Part D</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
37	<p>Module 2 Lesson 5: Lesson Review</p> <p>Module 2 Lesson 5: Lesson Check</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>

	Module 2 Lesson 5: Review CER	
38	Module 2 Wrap Up	Interactive Presentation
39	Module 2 Test	
40	Module 3 Opener	Interactive Presentation Module Pretest Module Vocabulary List
41	Module 3 Lesson 2: Resource Location Science Probe	Interactive Presentation
	Module 3 Lesson 2: Encounter the Phenomenon	Interactive Presentation
42	Module 3 Lesson 2: Explain the Phenomenon - CER	Interactive Presentation
	Module 3 Lesson 2: Investigation - Location, Location, Location	Interactive Presentation
	Module 3 Lesson 2: Read About - Where are minerals found on Earth? Hydrothermal Deposits	Interactive Presentation
43	Module 3 Lesson 2: Read About - Where are minerals found on Earth? Distribution of Minerals	Interactive Presentation
	Module 3 Lesson 2: 3D Thinking Question	Interactive Presentation
	Module 3 Lesson 2: Read About - Where are minerals found on Earth? History	Interactive Presentation

	<p style="text-align: center;">Connection</p> <p style="text-align: center;">Module 3 Lesson 2: Collect Evidence - Part A</p>	<p style="text-align: center;">Revisit CER from beginning of lesson</p>
44	<p style="text-align: center;">Module 3 Lesson 2: Investigation - Digging In</p> <p style="text-align: center;">Module 3 Lesson 2: Investigation - It's a Slippery Slope</p>	<p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</p>
45	<p style="text-align: center;">Module 3 Lesson 2: Read About - Which locations have the most soil?</p> <p style="text-align: center;">Module 3 Lesson 2: 3D Thinking Question</p> <p style="text-align: center;">Module 3 Lesson 2: Collect Evidence - Part B</p>	<p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Revisit CER from beginning of lesson</p>
46	<p style="text-align: center;">Module 3 Lesson 2: Read About - Why are some regions rich in fossil fuels?</p> <p style="text-align: center;">Module 3 Lesson 2: Investigation - Between a Rock and a Hard Place</p> <p style="text-align: center;">Module 3 Lesson 2: Investigation - Shrinking Oil</p>	<p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</p>
47	<p style="text-align: center;">Module 3 Lesson 2: Read About - Why are some regions rich in fossil fuels? Location of Fossil Fuels</p> <p style="text-align: center;">Module 3 Lesson 2: 3D Thinking Question</p> <p style="text-align: center;">Module 3 Lesson 2: Read About - Why are some regions rich in fossil fuels?</p>	<p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</p>

	Fossil Fuels and Time Module 3 Lesson 2: Collect Evidence - Part C	Revisit CER from beginning of lesson
48	Module 3 Lesson 2: Investigation - Fill the Void Module 3 Lesson 2: Read About - Where is abundant groundwater located? Porosity Module 3 Lesson 2: Investigation - Deeper Understandings	Interactive Presentation Interactive Presentation Interactive Presentation
49	Module 3 Lesson 2: Read About - Where is abundant...Groundwater Distribution Module 3 Lesson 2: Collect Evidence - Part D	Interactive Presentation Revisit CER from beginning
50	Module 3 Lesson 2: Lesson Review Module 3 Lesson 2: Lesson Check Module 3 Lesson 2: Review CER	Interactive Presentation Lesson Check
51	Module 3 Wrap Up	Interactive Presentation
52	Module 3 Test	
53	Module 4 Opener Module 4 Lesson 1: Can earthquakes be	Interactive Presentation Module Vocabulary List Module Pretest Interactive Presentation

	<p>predicted? Science Probe</p> <p>Module 4 Lesson 1: Encounter the Phenomenon</p>	<p>Interactive Presentation</p>
54	<p>Module 4 Lesson 1: Explain the Phenomenon - CER</p> <p>Module 4 Lesson 1: Investigation - Around the World</p> <p>Module 4 Lesson 1: Read About - Where do earthquakes occur?</p> <p>Module 4 Lesson 1: 3D Thinking Question</p> <p>Module 4 Lesson 1: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
55	<p>Module 4 Lesson 1: Investigation - Magnitude Measurement</p> <p>Module 4 Lesson 1: Read About - How are earthquakes measured? Earthquake Magnitude</p> <p>Module 4 Lesson 1: Investigation - Accuracy Counts</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
56	<p>Module 4 Lesson 1: Read About - How are earthquakes measured? Moment Magnitude Scale</p> <p>Module 4 Lesson 1: Lab - Damage Detective</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

57	<p>Module 4 Lesson 1: Read About - How are earthquakes measured? Earthquake Damage</p> <p>Module 4 Lesson 1: Collect Evidence - Part B</p> <p>Module 4 Lesson 1: Read A Scientific Text - How often do earthquakes occur?</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>
58	<p>Module 4 Lesson 1: Read About - What factors affect the amount of damage caused...? Structure Failure</p> <p>Module 4 Lesson 1: Lab - Liquid Foundation</p> <p>Module 4 Lesson 1: Read About - What factors affect the amount of...? Land and Soil Failure</p> <p>Module 4 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
59	<p>Module 4 Lesson 1: Investigation - Risky Regions</p> <p>Module 4 Lesson 1: Read About - What determines if an area is at a high risk for earthquakes?</p> <p>Module 4 Lesson 1: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
60	<p>Module 4 Lesson 1: Investigation - Predicting Patterns</p>	<p>Interactive Presentation</p>

	<p>Module 4 Lesson 1: Investigation - The Next Big Quake</p> <p>Module 1 Lesson 4: Investigation - Earthquake Safety</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
61	<p>Module 4 Lesson 1: Investigation - Mitigating Effects</p> <p>Module 4 Lesson 1: Read About - How can scientists predict when an earthquake will happen?</p> <p>Module 4 Lesson 1: Collect Evidence - Part D</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
62	<p>Module 4 Lesson 1: Lesson Review</p> <p>Module 4 Lesson 1: Lesson Check</p> <p>Module 4 Lesson 1: Review CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>
63	<p>Module 4 Lesson 3: It will never happen here! Science Probe</p> <p>Module 4 Lesson 3: Encounter the Phenomenon</p> <p>Module 4 Lesson 3: Explain the Phenomenon - CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
64	<p>Module 4 Lesson 3: Investigation - In the Billions</p> <p>Module 4 Lesson 3: Read About - What is</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	<p>severe weather?</p> <p>Module 4 Lesson 3: Investigation - Locating the Risk</p>	<p>Reading Essentials Foldables</p> <p>Interactive Presentation</p>
65	<p>Module 4 Lesson 3: Read About - What locations in the United States are at the highest risk for hurricanes?</p> <p>Module 4 Lesson 3: Read About - What types of damage do hurricanes do?</p> <p>Module 4 Lesson 3: Investigation - Gone with the Wind</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
66	<p>Module 4 Lesson 3: Read About - What types of damage do hurricanes cause?</p> <p>Module 4 Lesson 3: 3D Thinking Question</p> <p>Module 4 Lesson 3: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
67	<p>Module 4 Lesson 3: Read About - How do scientists predict severe...? Predicting Severe Weather</p>	<p>Interactive Presentation</p>
68	<p>Module 4 Lesson 3: Investigation - Mitigating Severe Weather</p> <p>Module 4 Lesson 3: Read About - How do scientists predict...? Reducing the Effects of Severe Weather</p> <p>Module 4 Lesson 3: Collect Evidence -</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>

	Part D	
69	Module 4 Lesson 3: Lesson Review Module 4 Lesson 3: Lesson Check Module 4 Lesson 3: Review CER	Interactive Presentation Lesson Check
70	Module 4 Wrap Up	Interactive Presentation
71	Module 4 Test	
72	Benchmark Review	
73	Benchmark Review	
74	Grade 7 Unit 4 Benchmark	