

Grade 6 Unit 4: Weather and Climate
Pacing Guide using Inspire Science Earth and Space Unit 2
1 day = 40 minute period

Module 1 - All lessons
Module 2 - All lessons

*Optional Activities are shown in red.

*This unit is paced out to 61 days. Teachers will have to make instructional decisions about which investigations and labs to include in order to take time off of the pacing guide. The unit should take 1 marking period total.

Day	Lesson	Inspire Resources	Additional Resources
1	<p style="text-align: center;">Module 1 Opener</p> <p style="text-align: center;">Module 1 Lesson 1: What happened to the Puddle? Science Probe</p> <p style="text-align: center;">Module 1 Lesson 1: Encounter the Phenomenon</p>	<p>Interactive Presentation Module Pretest Module Vocabulary List</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	<p>The Water Cycle Interactive Activities</p> <p>The Water Cycle Diagram</p> <p>Water Cycle Generation Genius</p> <p>Water Cycle Brain Pop</p>
2	<p style="text-align: center;">Module 1 Lesson 1: Explain the Phenomenon - CER</p> <p style="text-align: center;">Module 1 Lesson 1: Read About - Where is water on Earth?</p> <p style="text-align: center;">Module 1 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Reading Essentials Foldables</p> <p>Interactive Presentation</p>	<p>Bill Nye - Water Cycle Episode</p> <p>Bill Nye - Atmosphere Episode</p> <p>Earth's Atmosphere Brain Pop</p>

3	Module 1 Lesson 1: Lab - Into Thin Air	Interactive Presentation Collaboration Kit for supplies	Water Cycle Gizmo	
4	Module 1 Lesson 1: Read About - What influences why and how quickly water “disappears”? Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Collect Evidence - Part A	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson		
5	Module 1 Lesson 1: Read About - How else can water enter the atmosphere? Module 1 Lesson 1: Collect Evidence - Part B Module 1 Lesson 1: 3D Thinking Question	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation		
6	Module 1 Lesson 1: Lab - Out of Thin Air	Interactive Presentation Collaboration Kit for supplies		
7	Module 1 Lesson 1: Read About - How can you get water to “reappear”? Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Collect Evidence - Part C	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson		

8	<p>Module 1 Lesson 1: A Closer Look - Solar Halos</p> <p>Module 1 Lesson 1: Lesson Review</p> <p>Module 1 Lesson 1: Lesson Check</p> <p>Module 1 Lesson 1: Revisit CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Lesson Check</p>	
9	<p>Module 1 Lesson 2: Groundwater Science Probe</p> <p>Module 1 Lesson 2: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>	<p>Groundwater Brain Pop</p> <p>Clouds Brain Pop</p> <p>Aquifers - National Geographic Resource</p>
10	<p>Module 1 Lesson 2: Explain the Phenomenon - CER</p> <p>Module 1 Lesson 2: Read About - Why do some clouds rain?</p> <p>Module 1 Lesson 2: Lab - Make It Rain</p> <p>Module 1 Lesson 2: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Foldables</p> <p>Interactive Presentation Collaboration Kit for supplies</p> <p>Revisit CER from beginning of lesson</p>	<p>Glaciers - usgs.gov Resource</p> <p>The Hydrologic and Carbon Cycles - Crash Course Video</p>
11	<p>Module 1 Lesson 2: Investigation - Streaming By</p> <p>Module 1 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Revisit CER from beginning of lesson</p>	

12	<p>Module 1 Lesson 2: Read About - Where is water stored?</p> <p>Module 1 Lesson 2: 3D Thinking Question</p> <p>Module 1 Lesson 2: Read About - Where is water stored? Groundwater Flow</p> <p>Module 1 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>	
13	Module 1 Lesson 2: Investigation - Rivers of Ice	Interactive Presentation	
14	<p>Module 1 Lesson 2: Lesson Review</p> <p>Module 1 Lesson 2: Lesson Check</p> <p>Module 1 Lesson 2: Revisit CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>	
15	Module 1 Wrap Up	Interactive Presentation	
16	Module 1 Test		
17	Module 2 Opener	<p>Interactive Presentation</p> <p>Module Pretest</p> <p>Module Vocabulary List</p>	<p>Here Comes the Sun - Crash Course Kids Video</p> <p>Conduction, Convection,</p>

	<p>Module 2 Lesson 1: What a Difference! Science Probe</p> <p>Module 2 Lesson 1: Encounter the Phenomenon</p> <p>Module 2 Lesson 1: Explain the Phenomenon - CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	<p>Radiation Video</p> <p>What is Solar Energy? Video</p>
18	<p>Module 2 Lesson 1: Investigation - Catching Some Rays</p> <p>Module 2 Lesson 1: Read About - How does energy from the Sun reach Earth?</p> <p>Module 2 Lesson 1: 3D Thinking Question</p> <p>Module 2 Lesson 1: Collect Evidence - Part A</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
19	<p>Module 2 Lesson 1: Lab - Shine On</p>	<p>Interactive Presentation Collaboration Kit for supplies</p>	
20	<p>Module 2 Lesson 1: Read About - Why is Earth warmer at the equator and colder at the poles?</p> <p>Module 2 Lesson 1: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
21	<p>Module 2 Lesson 1: Lab - Warm Up and Cool Down</p>	<p>Interactive Presentation Collaboration Kit for supplies</p>	

22	<p>Module 2 Lesson 1: Read About - What happens to solar radiation on Earth?</p> <p>Module 2 Lesson 1: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
23	<p>Module 2 Lesson 1: Lab - Hot Air</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>	
24	<p>Module 2 Lesson 1: Read About - How do surfaces on Earth affect the atmosphere?</p> <p>Module 2 Lesson 1: Collect Evidence - Part D</p> <p>Module 2 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>	
25	<p>Module 2 Lesson 1: Lab - To Absorb, or Not to Absorb</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>	
26	<p>Module 2 Lesson 1: Read About - How does the color of a surface affect how solar energy is absorbed?</p> <p>Module 2 Lesson 1: 3D Thinking Question</p> <p>Module 2 Lesson 1: Collect Evidence - Part E</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
27	<p>Module 2 Lesson 1: A Closer Look - Monitoring Earth's</p>	<p>Interactive Presentation</p>	

	<p style="text-align: center;">Albedo</p> <p>Module 2 Lesson 1: Lesson Review</p> <p>Module 2 Lesson 1: Lesson Check</p> <p>Module 2 Lesson 1: Review CER</p>	<p>Interactive Presentation</p> <p>Lesson Check</p>	
28	<p>Module 2 Lesson 2: Moving Ocean Water Science Probe</p> <p>Module 2 Lesson 2: Encounter the Phenomenon</p> <p>Module 2 Lesson 2: Explain the Phenomenon - CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	<p>Wind Brain Pop</p> <p>Global and Local Winds Resource</p> <p>Wind Guided Reading & Practice Resource</p>
29	<p>Module 2 Lesson 2: Lab - Moving Air</p> <p>Module 2 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation Reading Essentials Foldables</p>	<p>Ocean Currents Brain Pop</p> <p>Convection Cells Gizmo</p> <p>How do oceans circulate? - Crash Course Video</p>
30	<p>Module 2 Lesson 2: Investigation - It's a Breeze</p> <p>Module 2 Lesson 2: Collect Evidence - Part A</p> <p>Module 2 Lesson 2: Investigation - Rise and Fall, then Repeat</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>	

31	<p>Module 2 Lesson 2: Investigation - It's a Blowin</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>Revisit CER from beginning of lesson</p>	
32	<p>Module 2 Lesson 2: Investigation - Ahead of the Curve</p> <p>Module 2 Lesson 2: Read About - why do the major wind systems blow in certain directions?</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p>	
33	<p>Module 2 Lesson 2: Lab - Moving Water</p> <p>Module 2 Lesson 2: Collect Evidence - Part C</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Revisit CER from beginning of lesson</p>	
34	<p>Module 2 Lesson 2: Read About - Why do ocean water flow? Density Currents</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Investigation - It's on the Surface</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>	
35	Module 2 Lesson 2: Read	Interactive Presentation	

	<p>About - Why do ocean water flow? Upwelling</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Collect Evidence - Part D</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
36	Module 2 Lesson 2: Lab - Toys Ahoy	Interactive Presentation	
37	<p>Module 2 Lesson 2: Read About - Why do ocean currents flow in certain directions?</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Investigation - The Great Ocean Conveyor Belt</p> <p>Module 2 Lesson 2: Read About - What global patterns do ocean currents form?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	
38	<p>Module 2 Lesson 2: A Closer Look - Jason-3 "Sees" the Sea</p> <p>Module 2 Lesson 2: Lesson Review</p> <p>Module 2 Lesson 2: Lesson Check</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Lesson Check</p>	

	Module 2 Lesson 2: Review CER		
39	Module 2 Lesson 3: Air Pressure Ideas Science Probe Module 2 Lesson 3: Encounter the Phenomenon Module 2 Lesson 3: Explain the Phenomenon - CER	Interactive Presentation Interactive Presentation Interactive Presentation	Weather Brain Pop Observing Weather Gizmo Air Masses & Weather Fronts - Generation Genius Air Masses & Weather Fronts Resource
40	Module 2 Lesson 3: Investigation - Listen Up	Interactive Presentation Reading Essentials Foldables	Weather Maps Gizmo
41	Module 2 Lesson 3: Investigation - Describing Weather Module 2 Lesson 3: Collect Evidence - Part A	Interactive Presentation Revisit CER from beginning of lesson	Bill Nye - Storms Episode Extreme Weather Solutions - Generation Genius
42	Module 2 Lesson 3: Lab - Feel the Air Module 2 Lesson 3: Investigation - Characteristics of Air Masses Module 2 Lesson 3: Collect Evidence - Part B	Interactive Presentation Collaboration Kit for supplies Interactive Presentation Revisit CER from beginning of lesson	
43	Module 2 Lesson 3: Investigation - Pressure	Interactive Presentation	

	<p>Changes</p> <p>Module 2 Lesson 3: Read About - How do differences in pressure affect weather?</p> <p>Module 2 Lesson 3: Investigation - Highs and Lows</p> <p>Module 2 Lesson 3: Read About - How do differences in pressure affect weather?</p> <p>Module 2 Lesson 3: 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>	
44	<p>Module 2 Lesson 3: Investigation - Air Mass Collision Course</p> <p>Module 2 Lesson 3: Read About - What happens when air masses meet?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>	
45	<p>Module 2 Lesson 3: Investigation - Come Rain or Shine</p> <p>Module 2 Lesson 3: Read About - What happens when air masses meet?</p> <p>Module 2 Lesson 3: Collect Evidence - Part D</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
46	<p>Module 2 Lesson 3: Lab -</p>	<p>Interactive Presentation</p>	

	Predicting Weather		
47	<p>Module 2 Lesson 3: Lab - Predicting Weather (10 minutes)</p> <p>Module 2 Lesson 3: Read About - How do meteorologists predict the weather?</p> <p>Module 2 Lesson 3: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	
48	<p>Module 2 Lesson 3: Lab - Predicting Weather (10 minutes)</p> <p>Module 2 Lesson 3: Collect Evidence - Part E</p> <p>Module 2 Lesson 3: Lesson Review</p> <p>Module 2 Lesson 3: Lesson Check</p> <p>Module 2 Lesson 3: Review CER</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p> <p>Lesson Check</p>	
49	<p>Module 2 Lesson 4: Is it a model? Science Probe</p> <p>Module 2 Lesson 4: Encounter the Phenomenon</p> <p>Module 2 Lesson 4: Explain</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	<p>Weather vs. Climate - Generation Genius</p> <p>Comparing Climates Gizmo</p> <p>Climate Types Brain Pop</p>

	the Phenomenon - CER		How do we classify climates? - Crash Course Video
50	<p>Module 2 Lesson 4: Read About - What is climate?</p> <p>Module 2 Lesson 4: 3D Thinking Question</p> <p>Module 2 Lesson 4: Investigation - Takin' the Temp of Earth</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>	
51	<p>Module 2 Lesson 4: Read About - What is the most important influence on climate?</p> <p>Module 2 Lesson 4: Collect Evidence - Part A</p> <p>Module 2 Lesson 4: Investigation - In the Air</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>	
52	<p>Module 2 Lesson 4: Read About - How do mountains affect climate?</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>	
53	Module 2 Lesson 4: Investigation - A Tale of Three	Interactive Presentation	

	<p>Cities</p> <p>Module 2 Lesson 4: Read About - How do oceans affect temperatures and precipitation on land?</p> <p>Module 2 Lesson 4: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>	
54	<p>Module 2 Lesson 4: Investigation - Patterns of Precipitation</p> <p>Module 2 Lesson 4: Read About - Why do some regions have rain forest and others deserts?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>	
55	<p>Module 2 Lesson 4: Investigation - Patterns of Plant Growth</p> <p>Module 2 Lesson 4: Collect Evidence - Part D</p> <p>Module 2 Lesson 4: Read About - How are climates classified?</p> <p>Module 2 Lesson 4: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>	
56	<p>Module 2 Lesson 4: Lesson Review</p>	<p>Interactive Presentation</p>	

	Module 2 Lesson 4: Lesson Check	Lesson Check	
	Module 2 Lesson 4: Review CER		
57	Module 2 Wrap Up	Interactive Presentation	
58	Module 2 Test		
59	Benchmark Review		
60	Benchmark Review		
61	Grade 6 Unit 4 Benchmark		