

Unit 4: Matter - Waves and the Electromagnetic Spectrum
Pacing Guide using Inspire Science Physical Science Unit 2
1 day = 1 hour period

*This unit is paced out to 47 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	<p style="text-align: center;">Module 1 Opener</p> <p style="text-align: center;">Module 1 Lesson 1: Getting the Ball Back Science Probe</p> <p style="text-align: center;">Module 1 Lesson 1: Encounter the Phenomenon</p>	<p style="text-align: center;">Interactive Presentation Module Pretest Module Vocabulary</p> <p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Interactive Presentation</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: Lab - Making Waves</p>	<p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Reading Essentials Interactive Presentation Collaboration Kit for supplies</p>
3	<p style="text-align: center;">Module 1 Lesson 1: Read About - What is a wave?</p> <p style="text-align: center;">Module 1 Lesson 1: Collect Evidence - Part A</p>	<p style="text-align: center;">Interactive Presentation</p> <p style="text-align: center;">Revisit CER from beginning of lesson</p>
4	<p style="text-align: center;">Module 1 Lesson 1: Lab - Strike That</p>	<p style="text-align: center;">Foldable Interactive Presentation Collaboration Kit for supplies</p>

	<p>Module 1 Lesson 1: Read About - How does energy affect a wave? Amplitude and Energy</p> <p>Module 1 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
5	<p>Module 1 Lesson 1: Read About - How does energy affect a wave? Math Connection</p> <p>Module 1 Lesson 1: Lab - Don't Be Alarmed</p> <p>Module 1 Lesson 1: Read About - How does energy affect a wave? Amplitude, Intensity, and Loudness</p> <p>Module 1 Lesson 1: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
6	<p>Module 1 Lesson 1: Lab - Ride the Wave</p> <p>Module 1 Lesson 1: Read About - How does the shape of a wave change as the source of the wave...Wavelength</p> <p>Module 1 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
7	<p>Module 1 Lesson 1: Lab - Fever Pitch</p> <p>Module 1 Lesson 1: Read About - How does the shape of a wave change as the source of the...Pitch</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p>

	<p>Module 1 Lesson 1: 3D Thinking Question</p> <p>Module 1 Lesson 1: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
8	<p>Module 1 Lesson 1: Lesson Review</p> <p>Module 1 Lesson 1: Lesson Check</p> <p>Module 1 Lesson 1: Review CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Lesson Check</p>
9	<p>Module 1 Lesson 2: Tin Can Science Probe</p> <p>Module 1 Lesson 2: Encounter the Phenomenon</p> <p>Module 1 Lesson 2: Explain the Phenomenon - CER</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
10	<p>Module 1 Lesson 2: Lab - Crashing Waves</p>	<p>Reading Essentials Foldables</p> <p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
11	<p>Module 1 Lesson 2: Read About - How do waves interact with matter? Interactions of Waves with Matter</p> <p>Module 1 Lesson 2: Investigation - It's All Material</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
12	<p>Module 1 Lesson 2: Read About - How do waves interact with matter? Music Connection</p>	<p>Interactive Presentation</p>

	<p>Module 1 Lesson 2: 3D Thinking Question</p> <p>Module 1 Lesson 2: Read About - How do waves interact with matter? Life Science Connection</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>
13	Module 1 Lesson 2: Lab - Echo, Echo	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
14	Module 1 Lesson 2: Lab - Breaking Waves	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
15	<p>Module 1 Lesson 2: Read About - What affects how a wave travels through matter?</p> <p>Module 1 Lesson 2: 3D Thinking Question</p> <p>Module 1 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
16	<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>
17	Module 1 Wrap Up	Interactive Presentation
18	Module 1 Test	
19	Module 2 Opener	Interactive Presentation

	<p>Module 2 Lesson 1: Traveling Waves Science Probe</p> <p>Module 2 Lesson 1: Encounter the Phenomenon</p>	<p>Module Vocabulary List Module Pretest</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
20	<p>Module 2 Lesson 1: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 1: Investigation - Across the Spectrum</p> <p>Module 2 Lesson 1: Read About - What is light?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation Reading Essentials</p>
21	<p>Module 2 Lesson 1: Collect Evidence - Part A</p> <p>Module 2 Lesson 1: Read About - How does light reach Earth?</p> <p>Module 2 Lesson 1: Read About - How does light reach Earth? Earth Science Connection</p> <p>Module 2 Lesson 1: 3D Thinking Question</p>	<p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation Foldables</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
22	<p>Module 2 Lesson 1: Collect Evidence - Part B</p> <p>Module 2 Lesson 1: Lab - Lights Out</p>	<p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation Collaboration Kit for supplies</p>

	<p>Module 2 Lesson 1: Read About - How does light move from a source to your eye?</p> <p>Module 2 Lesson 1: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
23	<p>Module 2 Lesson 1: Collect Evidence - Part C</p> <p>Module 2 Lesson 1: Lab - Light and Matter</p>	<p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
24	<p>Module 2 Lesson 1: Read About - How does light interact with matter?</p> <p>Module 2 Lesson 1: 3D Thinking Question</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>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Lesson Check</p>
25	<p>Module 2 Lesson 2: Seeing a Flower Science Probe</p> <p>Module 2 Lesson 2: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
26	<p>Module 2 Lesson 2: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 2: Lab - Mirrored View</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>

27	<p>Module 2 Lesson 2: Read About - What happens when light reflects off a smooth, flat surface?</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Collect Evidence - Part A</p>	<p>Interactive Presentation Reading Essentials Foldables</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
28	<p>Module 2 Lesson 2: Lab - Two Sided</p> <p>Module 2 Lesson 2: Read About - What happens when light reflects off a smooth, curved surface?</p> <p>Module 2 Lesson 2: 3D Thinking Question</p> <p>Module 2 Lesson 2: Collect Evidence - Part B</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>
29	<p>Module 2 Lesson 2: Lab - The Rough Side</p> <p>Module 2 Lesson 2: Read About - What happens when light reflects off a rough surface?</p> <p>Module 2 Lesson 2: Collect Evidence - Part C</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
30	<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>

31	<p>Module 2 Lesson 3: Through the Lens Science Probe</p> <p>Module 2 Lesson 3: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
32	<p>Module 2 Lesson 3: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 3: Lab - Bending Light</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies Reading Essentials Foldables</p>
33	<p>Module 2 Lesson 3: Read About - What happens when light passes through a medium other than air?</p> <p>Module 2 Lesson 3: 3D Thinking Question</p> <p>Module 2 Lesson 3: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
34	<p>Module 2 Lesson 3: Lab - Looking Through Lenses</p>	<p>Interactive Presentation Collaboration Kit for supplies</p>
35	<p>Module 2 Lesson 3: Read About - How do lenses affect how an image is seen?</p> <p>Module 2 Lesson 3: 3D Thinking Question</p> <p>Module 2 Lesson 3: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
36	<p>Module 2 Lesson 3: Lesson Review</p>	<p>Interactive Presentation</p>

	<p>Module 2 Lesson 3: Lesson Check</p> <p>Module 2 Lesson 3: Review CER</p>	<p>Lesson Check</p>
37	<p>Module 2 Lesson 4: Crayon Color Science Probe</p> <p>Module 2 Lesson 4: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
38	<p>Module 2 Lesson 4: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 4: Lab - Rainbow Bright</p> <p>Module 2 Lesson 4: Read About - Why are there different colors of light?</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation Reading Essentials Foldables</p>
39	<p>Module 2 Lesson 4: Investigation - Color Differences</p> <p>Module 2 Lesson 4: Read About - Why are there different colors of light? Separating Light</p> <p>Module 2 Lesson 4: Read About - Why are there different colors of light? Earth Science Connection</p> <p>Module 2 Lesson 4: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
40	<p>Module 2 Lesson 4: Read About - Why are there different colors of light? Life Science Connection</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	<p>Module 2 Lesson 4: Collect Evidence - Part A</p> <p>Module 2 Lesson 4: Lab - Concepts of Color</p>	<p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
41	<p>Module 2 Lesson 4: Read About - How do different colors of light...Color of Objects</p> <p>Module 2 Lesson 4: 3D Thinking Question</p> <p>Module 2 Lesson 4: Read About - How do different colors of light...Art Connection</p> <p>Module 2 Lesson 4: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of year</p>
42	<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>Interactive Presentation</p> <p>Lesson Check</p>
43	Module 2 Wrap Up	
44	Module 2 Test	
45	Benchmark Review	
46	Benchmark Review	
47	Grade 8 Unit 4 Benchmark	