

Unit 3: Matter - Properties and Changes
Pacing Guide using Inspire Science Physical Science Unit 4
1 day = 1 hour period

*This unit is paced out to 49 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: Mystery Substance 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 - Big Enough	Interactive Presentation Collaboration Kit for supplies
4	Module 1 Lesson 1: Read About - How can a substance's properties be measured? Module 1 Lesson 1: 3D Thinking Question	Interactive Presentation Reading Essentials Foldables Interactive Presentation
5	Module 1 Lesson 1: Lab - More Mass v. More Volume	Interactive Presentation Collaboration Kit for supplies
6	Module 1 Lesson 1: Read About - How	Interactive Presentation

	<p>can a substance's mass and volume be...Density</p> <p>Module 1 Lesson 1: 3D Thinking Question</p> <p>Module 1 Lesson 1: Read About - How can a substance's mass and...Density and States of Matter</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: Investigation - Determining Density</p> <p>Module 1 Lesson 1: Read About - How can a substance's mass and...Calculating Density</p> <p>Module 1 Lesson 1: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
8	<p>Module 1 Lesson 1: Lab - Don't Go Changing</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
9	<p>Module 1 Lesson 1: Read About - How can a substance be identified based on how it changes?</p> <p>Module 1 Lesson 1: Collect Evidence - Part B</p> <p>Module 1 Lesson 1: Lab - Be a Detective</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
10	<p>Module 1 Lesson 1: Read About - How can...Identifying a Substance Using</p>	<p>Interactive Presentation</p>

	<p>Properties</p> <p>Module 1 Lesson 1: 3D Thinking Question</p> <p>Module 1 Lesson 1: Read About - How can a substance's properties...Art Connection</p> <p>Module 1 Lesson 1: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
11	<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>Lesson Check</p>
12	<p>Module 1 Lesson 2: Chemical Reactions 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>
13	<p>Module 1 Lesson 2: Lab - Positive Reaction</p> <p>Module 1 Lesson 2: Read About - What can happen when substances react?</p> <p>Module 1 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation Collaboration Kit for supplies Reading Essentials Foldables</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>

14	<p>Module 1 Lesson 2: Collect Evidence - Part A</p> <p>Module 1 Lesson 2: Lab - Reapproaching Reactions</p>	<p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
15	<p>Module 1 Lesson 2: Read About - What happens to the mass of the substances during a chemical change?</p> <p>Module 1 Lesson 2: Collect Evidence - Part B</p> <p>Module 1 Lesson 2: Investigation - Broken Bonds</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>
16	<p>Module 1 Lesson 2: Read About - What happens to the atoms during...Bonds Break and Bonds Form</p> <p>Module 1 Lesson 2: Investigation - Trading Places</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
17	<p>Module 1 Lesson 2: Read About - What happens to the atoms during a chemical...Atomic Mass?</p> <p>Module 1 Lesson 2: Investigation - Representing Chemical Changes</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
18	<p>Module 1 Lesson 2: Read About - How can a chemical reaction be represented?</p> <p>Module 1 Lesson 2: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>

	Module 1 Lesson 2: Lesson Review	Interactive Presentation
19	Module 1 Lesson 2: Lesson Check Module 1 Lesson 2: Review CER Module 1 Lesson 3: Energy in Bonds Science Probe	Lesson Check Interactive Presentation
20	Module 1 Lesson 3: Encounter the Phenomenon Module 1 Lesson 3: Explain the Phenomenon - CER Module 1 Lesson 3: Investigation - Magnet Models	Interactive Presentation Interactive Presentation Interactive Presentation Reading Essentials
21	Module 1 Lesson 3: Read About - Where does the energy in a chemical reaction come from? Module 1 Lesson 3: 3D Thinking Question Module 1 Lesson 3: Collect Evidence - Part A	Interactive Presentation Foldables Interactive Presentation Revisit CER from beginning of lesson
22	Module 1 Lesson 3: Lab - Energy In, Energy Out	Interactive Presentation Collaboration Kit for supplies
23	Module 1 Lesson 3: Read About - how does energy input and...Energy in Chemical Reactions Module 1 Lesson 3: 3D Thinking Question	Interactive Presentation Interactive Presentation

	Module 1 Lesson 3: Read Scientific Text - Energy and Photosynthesis	Interactive Presentation
24	Module 1 Lesson 3: Lab - Changing the Energy	Interactive Presentation Collaboration Kit for supplies
25	Module 1 Lesson 3: Read About - How does energy input and output...Concentration Revisited Module 1 Lesson 3: 3D Thinking Question Module 1 Lesson 3: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Interactive Presentation
26	Module 1 Lesson 3: Lesson Review Module 1 Lesson 3: Lesson Check Module 1 Lesson 3: Review CER Module Wrap Up	Interactive Presentation Lesson Check Interactive Presentation
27	Module 1 Test	
28	Module 2 Module Opener Module 2 Lesson 1: Recycled Materials Science Probe Module 2 Lesson 1: Encounter the Phenomenon	Interactive Presentation Module Pretest Module Vocabulary List Interactive Presentation Interactive Presentation
29	Module 2 Lesson 1: Explain the	Interactive Presentation

	<p>Phenomenon - CER</p> <p>Module 2 Lesson 1: Lab - Materials Fair</p>	<p>Interactive Presentation Collaboration Kit for supplies</p>
30	<p>Module 2 Lesson 1: Read About - What are the properties of materials?</p> <p>Module 2 Lesson 1: 3D Thinking Question</p> <p>Module 2 Lesson 1: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
31	<p>Module 2 Lesson 1: Investigation - Take Your Places</p> <p>Module 2 Lesson 1: Read About - What are the differences between natural and synthetic materials?</p> <p>Module 2 Lesson 1: 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 1: Lab - Slime Time</p> <p>Module 2 Lesson 1: Read About - How are synthetic materials formed? New Materials</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p>
33	<p>Module 2 Lesson 1: Investigation - From This, to That</p> <p>Module 2 Lesson 1: Read About - How are synthetic materials formed? From Reactants to Products</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	Module 2 Lesson 1: 3D Thinking Question	Interactive Presentation
34	Module 2 Lesson 1: Read About - How are synthetic...Characteristics of Synthetic Materials Module 2 Lesson 1: Collect Evidence - Part C Module 2 Lesson 1: Lesson Review	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation
35	Module 2 Lesson 1: Lesson Check Module 2 Lesson 1: Review CER Module 2 Lesson 2: Impacts of Synthetic Materials Science Probe	Lesson Check Interactive Presentation
36	Module 2 Lesson 2: Encounter the Phenomenon Module 2 Lesson 2: Explain the Phenomenon - CER	Interactive Presentation Interactive Presentation
37	Module 2 Lesson 2: Engineering Investigation - All Around the World	Interactive Presentation Collaboration Kit for supplies
38	Module 2 Lesson 2: Read About - What limits the production and use of synthetic materials? Module 2 Lesson 2: 3D Thinking Question Module 2 Lesson 2: Collect Evidence - Part A	Interactive Presentation Reading Essentials Interactive Presentation Revisit CER from beginning of lesson

39	<p>Module 2 Lesson 2: Investigation - In the World</p> <p>Module 2 Lesson 2: Read About - What are the impacts of synthetic materials on individuals and society?</p> <p>Module 2 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Foldables</p> <p>Revist CER from beginning of lesson</p>
40	<p>Module 2 Lesson 2: Investigation - Obtaining Resources</p> <p>Module 2 Lesson 2: Read About - What are the impacts of synthetic materials...Environmental Connection</p> <p>Module 2 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
41	<p>Module 2 Lesson 2: Lab - Making Plastic</p> <p>Module 2 Lesson 2: Read About - What are the impacts of synthetic materials on the...By-Products</p> <p>Module 2 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
42	<p>Module 2 Lesson 2: Investigation - Toss It</p> <p>Module 2 Lesson 2: Investigation - Analyzing a Text</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
43	<p>Module 2 Lesson 2: Investigation: Impacting the Environment</p>	<p>Interactive Presentation</p>

	Module 2 Lesson 2: Read About - What are the impacts of synthetic materials...Engineering Connection	Interactive Presentation
44	Module 2 Lesson 2: Collect Evidence - Part C Module 2 Lesson 2: Lesson Review Module 2 Lesson 2: Lesson Check Module 2 Lesson 2: Review CER	Revisit CER from beginning of lesson Interactive Presentation Lesson Check
45	Module 2 Wrap Up	Interactive Presentation
46	Module 2 Test	
47	Benchmark Review	
48	Benchmark Review	
49	Grade 8 Unit 3 Benchmark	