

Grade 7 Unit 2: Structure and Functions of Body Systems  
Pacing Guide using Inspire Science Life Science Unit 2  
1 day = 1 hour period

Module 1 - All lessons

Module 2 - All lessons (omit activities related to plants in lessons 3 & 4)

\*This unit is paced out to 60 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. This unit should take 1 marking period total.

Day	Lesson	Resources
1	Module 1 Opener  Module 1 Lesson 1: Are seeds alive? Science Probe	Interactive Presentation Module Vocabulary List Module Pretest  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: Investigation - Living v. Nonliving  Module 1 Lesson 1: Lab - A Closer Look at Life	Interactive Presentation Reading Essentials Foldables  Interactive Presentation Collaboration Kit for supplies
4	Module 1 Lesson 1: Lab - Magnify It	Interactive Presentation

	Module 1 Lesson 1: Investigation - Discovering the Cell Theory	Collaboration Kit for supplies  Interactive Presentation
5	Module 1 Lesson 1: Read About - What are living things? Principles of Cell Theory  Module 1 Lesson 1: Collect Evidence - Part A  Module 1 Lesson 1: Read About - How many cells do living things have?  Module 1 Lesson 1: 3D Thinking Question	Interactive Presentation  Revisit CER from beginning of lesson  Interactive Presentation  Interactive Presentation
6	Module 1 Lesson 1: Investigation - Characteristics of Life	Interactive Presentation
7	Module 1 Lesson 1: Read About - How many cells do living things have? Characteristics of Life  Module 1 Lesson 1: Collect Evidence - Part B  Module 1 Lesson 1: Read About - What are the different types of cells?	Interactive Presentation  Revisit CER from beginning of lesson  Interactive Presentation
8	Module 1 Lesson 1: Lesson Review  Module 1 Lesson 1: Lesson Check  Module 1 Lesson 1: Review CER	Interactive Presentation  Lesson Check
9	Module 1 Lesson 2: The Basic Unit of Life	Interactive Presentation

	<p>Science Probe</p> <p>Module 1 Lesson 2: Encounter the Phenomenon</p>	<p>Interactive Presentation</p>
10	<p>Module 1 Lesson 2: Explain the Phenomenon - CER</p> <p>Module 1 Lesson 2: Read About - What surrounds a cell? Cell Membrane</p> <p>Module 1 Lesson 2: Lab - Investigating Cell Membranes</p> <p>Module 1 Lesson 2: Read About - What surrounds a cell? Cell Wall</p> <p>Module 1 Lesson 2: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation Reading Essentials Foldables</p> <p>Revisit CER from beginning of lesson</p>
11	<p>Module 1 Lesson 2: Investigation - Cell Size and Transport of Materials</p>	<p>Interactive Presentation Collaboration Kit for supplies</p>
12	<p>Module 1 Lesson 2: Read About - How does cell size affect the transport of materials?</p> <p>Module 1 Lesson 2: Read About - What organelles are involved in transport of materials?</p> <p>Module 1 Lesson 2: 3D Thinking Question</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
13	<p>Module 1 Lesson 2: Investigation -</p>	<p>Interactive Presentation</p>

	<p>Powering a Cell</p> <p>Module 1 Lesson 2: Read About - What powers cellular activity?</p> <p>Module 1 Lesson 2: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
14	<p>Module 1 Lesson 2: Read About - What controls all of this activity?</p> <p>Module 1 Lesson 2: 3D Thinking Question</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>
15	<p>Module 1 Lesson 2: Lab - Plant and Animal Cells</p>	<p>Interactive Presentation</p> <p>Collaboration Kit for supplies</p>
16	<p>Module 1 Lesson 2: Read About - What can different cells do?</p> <p>Module 1 Lesson 2: 3D Thinking Question</p> <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>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Lesson Check</p>
17	<p>Module 1 Wrap Up</p>	<p>Interactive Presentation</p>
18	<p>Module 1 Test</p>	
19	<p>Module 2 Opener</p>	<p>Interactive Presentation</p> <p>Module Vocabulary List</p>

	Module 2 Lesson 1: Basic Unit of Function Science Probe	Module Pretest Interactive Presentation
20	Module 2 Lesson 1: Encounter the Phenomenon  Module 2 Lesson 1: Explain the Phenomenon - CER  Module 2 Lesson 1: Investigation - When Cells Get Together	Interactive Presentation  Interactive Presentation  Interactive Presentation
21	Module 2 Lesson 1: Read About - How are cells organized in the body?  Module 2 Lesson 1: 3D Thinking Question  Module 2 Lesson 1: Collect Evidence - Part A	Interactive Presentation Reading Essentials Foldables  Interactive Presentation  Revisit CER from beginning of lesson
22	Module 2 Lesson 1: Investigation - Making Bodies  Module 2 Lesson 1: Read About - How are tissues organized in the body?  Module 2 Lesson 1: Collect Evidence - Part B  Module 2 Lesson 1: Investigation - Body Functions	Interactive Presentation  Interactive Presentation  Revisit CER from beginning of lesson  Interactive Presentation
23	Module 2 Lesson 1: Read About - How	Interactive Presentation

	<p>are organs organized in the body?</p> <p>Module 2 Lesson 1: Collect Evidence - Part C</p> <p>Module 2 Lesson 1: Lab - Organism Organization</p>	<p>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p>
24	<p>Module 2 Lesson 1: Read About - How are organ systems organized in the body?</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: 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>
26	<p>Module 2 Lesson 2: Is muscle alive? Science Probe</p> <p>Module 2 Lesson 2: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
27	<p>Module 2 Lesson 2: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 2: Read About - What supports a body and enables it to move? Muscles</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Reading Essentials Foldables</p>

	Module 2 Lesson 2: 3D Thinking Question	Interactive Presentation
28	Module 2 Lesson 2: Read About - What supports a body and enables it to move? Joints  Module 2 Lesson 2: Collect Evidence - Part A  Module 2 Lesson 2: Lab - Make No Bones About It	Interactive Presentation  Revisit CER from beginning of lesson  Interactive Presentation Collaboration Kit for supplies
29	Module 2 Lesson 2: Read About - What supports a body and enables it to move? Protection  Module 2 Lesson 2: 3D Thinking Question  Module 2 Lesson 2: Lab - Exploring Earthworm Movement	Interactive Presentation  Interactive Presentation  Interactive Presentation Collaboration Kit for supplies
30	Module 2 Lesson 2: Read About - In what ways are different animals supported and provided...  Module 2 Lesson 2: 3D Thinking Question  Module 2 Lesson 2: Collect Evidence - Part B	Interactive Presentation  Interactive Presentation  Revisit CER from beginning of lesson
31	Module 2 Lesson 2: Lab - Types of Muscles  Module 2 Lesson 2: Read About - What do different types of muscles do?	Interactive Presentation Collaboration Kit for supplies  Interactive Presentation

	Module 2 Lesson 2: Investigation - Plant Posture	Interactive Presentation
32	Module 2 Lesson 2: Investigation - Putting Down Roots  Module 2 Lesson 2: Read About - What systems do plants have that give them structure and support?  Module 2 Lesson 2: 3D Thinking Question	Interactive Presentation  Interactive Presentation  Interactive Presentation
33	Module 2 Lesson 2: Collect Evidence - Part C  Module 2 Lesson 2: 3D Thinking Question  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  Interactive Presentation  Lesson Check
34	Module 2 Lesson 3: Digestion and Food Science Probe  Module 2 Lesson 3: Encounter the Phenomenon	Interactive Presentation  Interactive Presentation
35	Module 2 Lesson 3: Explain the Phenomenon - CER  Module 2 Lesson 3: Investigation - Learning S'more About Science  Module 2 Lesson 3: Read About - Why do	Interactive Presentation  Interactive Presentation Collaboration Kit for supplies  Interactive Presentation



	organisms eat?	Reading Essentials Foldables
36	Module 2 Lesson 3: Investigation - Using Energy  Module 2 Lesson 3: Investigation - You Are What You Eat	Interactive Presentation  Interactive Presentation
37	Module 2 Lesson 3: Investigation - You Are What You Eat  Module 2 Lesson 3: Lab - The Greatest Thing Since Sliced Bread  Module 2 Lesson 3: Read About - How does digestion work?	Interactive Presentation  Interactive Presentation Collaboration Kit for supplies  Interactive Presentation
38	Module 2 Lesson 3: Collect Evidence - Part A  Module 2 Lesson 3: Read About - How does digestion work? The Stomach  Module 2 Lesson 3: 3D Thinking Question	Revisit CER from beginning of lesson  Interactive Presentation  Interactive Presentation
39	Module 2 Lesson 3: Lab - Filtering Waste  Module 2 Lesson 3: Read About - How does digestion work? Kidneys  Module 2 Lesson 3: Collect Evidence - Part B	Interactive Presentation Collaboration Kit for supplies  Interactive Presentation  Revisit CER from beginning of lesson
40	Module 2 Lesson 3: Read About - How do	Interactive Presentation

	<p>plant bodies obtain energy and get rid of waste?</p> <p>Module 2 Lesson 3: 3D Thinking Question</p> <p>Module 2 Lesson 3: Collect Evidence - Part C</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
41	<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>Lesson Check</p>
42	<p>Module 2 Lesson 4: Moving Blood Science Probe</p> <p>Module 2 Lesson 4: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
43	<p>Module 2 Lesson 4: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 4: Investigation - Turning Over a New Leaf</p> <p>Module 2 Lesson 4: Read About - How do plants transport materials?</p> <p>Module 2 Lesson 4: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
44	<p>Module 2 Lesson 4: Read About - How do humans transport materials?</p>	<p>Interactive Presentation</p>

	<p>Module 2 Lesson 4: Read About - What happens to oxygen after it enters the lungs?</p> <p>Module 2 Lesson 4: 3D Thinking Question</p> <p>Module 2 Lesson 4: Investigation - In a Heartbeat</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation Collaboration Kit for supplies</p>
45	<p>Module 2 Lesson 4: Read About - How is blood transported throughout the body?</p> <p>Module 2 Lesson 4: Collect Evidence - Part B</p>	<p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
46	<p>Module 2 Lesson 4: Lab - Modeling Blood Cells</p>	<p>Interactive Presentation Collaboration Kit for supplies</p>
47	<p>Module 2 Lesson 4: Investigation - Just Breathe</p>	<p>Interactive Presentation</p>
48	<p>Module 2 Lesson 4: Read About - How do other animals transport blood through their bodies?</p> <p>Module 2 Lesson 4: Collect Evidence - Part C</p> <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>Revisit CER from beginning of lesson</p> <p>Interactive Presentation</p> <p>Lesson Check</p>

49	<p>Module 2 Lesson 5: When do we use our brains? Science Probe</p> <p>Module 2 Lesson 5: Encounter the Phenomenon</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>
50	<p>Module 2 Lesson 5: Explain the Phenomenon - CER</p> <p>Module 2 Lesson 5: Investigation - Information Transportation</p> <p>Module 2 Lesson 5: Read About - What controls the body's functions?</p> <p>Module 2 Lesson 5: Collect Evidence - Part A</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Revisit CER from beginning of lesson</p>
51	<p>Module 2 Lesson 5: Read About - How does your body receive information?</p> <p>Module 2 Lesson 5: Read About - How does your body receive information?</p> <p>Module 2 Lesson 5: Lab - Taste with Your Nose</p> <p>Module 2 Lesson 5: Read About - How does your body receive information through taste and smell?</p>	<p>Interactive Presentation Reading Essentials Foldables</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p> <p>Interactive Presentation</p>
52	<p>Module 2 Lesson 5: Lab - Skin Sensitivity</p> <p>Module 2 Lesson 5: Read About - How does your body receive information</p>	<p>Interactive Presentation</p> <p>Interactive Presentation</p>

	through touch? Module 2 Lesson 5: 3D Thinking Question	Interactive Presentation
53	Module 2 Lesson 5: Investigation - Hear Me Out	Interactive Presentation
54	Module 2 Lesson 5: Read About - How does your body receive information through sound?  Module 2 Lesson 5: Read About - How does your body receive information through sight?  Module 2 Lesson 5: 3D Thinking Question  Module 2 Lesson 5: Collect Evidence - Part B	Interactive Presentation  Interactive Presentation  Interactive Presentation  Revisit CER from beginning of lesson
55	Module 2 Lesson 5: Read About - How do plants respond to stimuli?  Module 2 Lesson 5: Lesson Review  Module 2 Lesson 5: Lesson Check  Module 2 Lesson 5: Review CER	Interactive Presentation  Interactive Presentation  Lesson Check
56	Module 2 Wrap Up	Interactive Presentation
57	Module 2 Test	
58	Benchmark Review	
59	Benchmark Review	

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Grade 7 Unit 2 Benchmark