

Bakersfield City School District  
*Curriculum & Standards*

Suggested Curriculum Map (Pacing)  
Houghton Mifflin Science

Grade 4

<b>Topic</b>	<b>Unit / Chapter</b>	<b>Standard</b>	<b># of Days</b>	<b>Text Pages</b>	<b>HM Reading</b>
<b>Ecosystems</b>	<b>Unit A</b>				
<b>Parts of Ecosystems</b>	<b>Chapter 1</b>				
What are Nonliving Parts of Ecosystems?	Lesson 1	3a, 6a	6	2-11	
What are living parts of ecosystems?	Lesson 2	3a, 6c	5	12-19	
What are some land ecosystems?	Lesson 3	3a, 3b	4	20-29	
What are some water ecosystems?	Lesson 4	3a, 6a	6	30-41	58-59 82-107

<b>Topic</b>	<b>Unit / Chapter</b>	<b>Standard</b>	<b># of Days</b>	<b>Text Pages</b>	<b>HM Reading</b>
<b>Interactions of Living Things</b>	<b>Chapter 2</b>				
How Do Organisms Depend on Each Other?	Lesson 1	3c, 6d	5	42-53	R27 26-53
How Are Organisms Adapted to Survive?	Lesson 2	3b, 6d	6	54-65	R26 26-53
How Do Organisms Compete?	Lesson 3	2b, 6b	6	66-77	654-657
<b>Energy and Matter in Ecosystems</b>	<b>Unit B</b>				
<b>Energy in Ecosystems</b>	<b>Chapter 3</b>				
What Are Food Chains?	Lesson 1	2a, 2b	4	82-93	
What Are Food Webs?	Lesson 2	2a, 2b	6	94-101	649
What are Microorganisms?	Lesson 3	3d, 6f	5	102-113	

<b>Topic</b>	<b>Unit / Chapter</b>	<b>Standard</b>	<b># of Days</b>	<b>Text Pages</b>	<b>HM Reading</b>
<b>Matter in Ecosystems</b>	<b>Chapter 4</b>				
How Is Matter Cycled in an Ecosystem?	Lesson 1	2c, 6f	5	114-127	
How Do People Affect Ecosystems?	Lesson 2	3b, 6e	5	128-133	632-657 661-683
How Can Ecosystems Be Conserved?	Lesson 3	2c, 6a	6	134-149	650-657
<b>The Solid Earth</b>	<b>Unit C</b>				
<b>Rocks and Minerals</b>	<b>Chapter 5</b>				
What Are the Properties of Minerals?	Lesson 1	4b	6	154-165	219-241
How Are Minerals Identified?	Lesson 2	4b	5	166-173	241
How Do Rocks Differ?	Lesson 3	4a	5	174-183	241
What is the Rock Cycle?	Lesson 4	4a, 6f	5	184-193	

<b>Topic</b>	<b>Unit / Chapter</b>	<b>Standard</b>	<b># of Days</b>	<b>Text Pages</b>	<b>HM Reading</b>
<b>Rapid Changes on Earth</b>	<b>Chapter 6</b>				
What Are Earthquakes?	Lesson 1	5a, 6d	7	194-207	
What Are Volcanoes?	Lesson 2	5a, 6f	7	208-215	
What Are Landslides?	Lesson 3	5a, 6d	8	216-225	
<b>Slow Changes on Earth</b>	<b>Chapter 7</b>				
What Are Weathering and Erosion?	Lesson 1	5a, 5b	3	226-235	
How Does Water Shape the Land?	Lesson 2	5a	6	236-247	
How Do Ice and Wind Shape the Land?	Lesson 3	5a, 5c	6	248-261	104-107

<b>Topic</b>	<b>Unit / Chapter</b>	<b>Standard</b>	<b># of Days</b>	<b>Text Pages</b>	<b>HM Reading</b>
<b>Electricity and Magnetism</b>	<b>Unit D</b>				
<b>Electricity</b>	<b>Chapter 8</b>				
How Do Charges Behave?	Lesson 1	1e, 6a	8	266-279	
What Is Electric Current?	Lesson 2	1a, 1g	6	280-289	
How Is Electricity Used?	Lesson 3	1g, 6c	6	290-303	
<b>Magnetism and Electromagnets</b>	<b>Chapter 9</b>				
How Do Magnets Behave?	Lesson 1	1f	6	304-313	
What Is Earth's Magnetic Field?	Lesson 2	1b, 6d	6	314-321	
How Are Electromagnets Used?	Lesson 3	1c, 1d	9	322-331	
How Can Energy Be Conserved?	Lesson 4	1g, 6e	8	332-341	