

Bakersfield City School District  
Curriculum & Standards

Holt Science  
Suggested Pacing Calendar 2007 - 2008  
Grade 6

August 2007				
M	T	W	Th	F
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

September 2007				
M	T	W	Th	F
H	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28

October 2007				
M	T	W	Th	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

<b>Introduction to Earth Science</b>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
<b>The Nature of Earth Science</b>	13 days	6 days	3 days
Standards: 7abcde      Pages 4-39			
<b>Tools of Earth Science</b>	13 days	7 days	3 days
Standards: 7bcef      Pages 40-79			
<b>Earth's Systems and Cycles</b>	12 days	6 days	3 days
Standards: 1b, 3acd, 4abcd, 5ab      Pages: 80-121			
<p><b>Activities:</b> Planning the Impossible? (p. 7), Using Curiosity to Make Predictions (p. 9), Internet Activity: Careers in Earth Science (p. 21), Mapping a Sphere (p. 21), Accident Procedure (p. 28), Using Forensics to catch a Thief (pp. 30-31), Develop a Hypothesis (p. 32), Making and Reading Maps (p. 43), See for Yourself (p. 45), Reading a Graph (p. 51), Internet Activity: Maps of the Future (p. 55), Making a Compass (p. 57), Modeling Topography (p. 66), Topographic Tuber (pp. 70-71), Heat Transfer by Radiation (p. 83), Rising Heat (p. 86), Heat Exchange (p. 95), Modeling Convection (p. 102), Internet Activity: Rock Brochure (p. 107), Modeling the Water Cycle (p. 108), Stop the Energy Transfer (pp. 112-113), Communicating Results (p. 114)</p>			
<p><b>Materials Available to Check Out:</b> Large Geologic Map of California, Sets of Igneous, Sedimentary, and Metamorphic Rock, Electronic Balance, Triple-Beam Balance</p>			

October 2007				
M	T	W	Th	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

November 2007				
M	T	W	Th	F
			1	2
5	6	7	8	9
H	13	14	15	16
19	20	21	H	H
26	27	28	29	30

<b>Earth's Resources</b>				
		180 Day Instruction	90 Day Instruction	45 Day Instruction
<b>Material Resources</b>		10 days	5 days	3 days
Standards: 6bc	Pages: 124-153			
<b>Energy Resources</b>		8 days	4 days	2 days
Standards: 3b, 6ab	Pages: 154-183			
<b>October 19: End of First Quarter</b>				
<p><b>Activities:</b> What is Your Classroom Made of? (p. 127), Renewable or Not? (p. 129), Chocolate Ore (p. 135), Products From Plants (p. 141), Natural Resources Used at Lunch (pp. 144-145), Reading a Geologic Map (p. 146), Spinning in the Wind (p. 157), Rock Sponge (p. 160), Internet Activity: Renewable Energy Sources (p. 161), Solar Collector (p. 169), Making a Water Wheel (pp. 174-175), Constructing Graphs from Data (p. 177),</p>				
<p><b>Materials Available to Check Out:</b> Large Geologic Map of California, Samples of coal, Samples of shale</p>				

November 2007				
M	T	W	Th	F
			1	2
5	6	7	8	9
H	13	14	15	16
19	20	21	H	H
26	27	28	29	30

December 2007				
M	T	W	Th	F
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
H	H	H	H	H
H				

<b>Plate Tectonics and Earth's Structure</b>				
		180 Day Instruction	90 Day Instruction	45 Day Instruction
<b>Plate Tectonics</b>		11 days	5 days	2 days
Standards: 1abcdef, 4c, 7g	Pages: 186-227			
<b>Earthquakes</b>		11 days	5 days	3 days
Standards: 1adeg, 2d, 3a, 7bc	Pages: 228-261			
<b>Volcanoes</b>		8 days	4 days	2 days
Standards: 1abdef, 2d, 6a, 7efh	Pages: 262-291			
<p><b>Activities:</b> Continental Collisions (p. 189), Making Magnets (p. 195), Tectonic Ice Cubes (p. 200), Internet Activity: Alien Planet Adventure (p. 203), Modeling Strike-Slip Fault (p. 207), Modeling Accretion (p. 213), Sea-Floor Spreading (pp. 218-219), Interpreting Time from Natural Phenomena (pp. 220-221), Investigating Building Materials (p. 231), Seismic Spring Toys (p. 236), Locating an Epicenter (p. 239), Internet Activity: Earthquake Stories (p. 245), Earthquakes and Buildings (p. 246), Modeling a Tsunami (p. 250), Earthquake Epicenters (pp. 252-253), Constructing Graphs from Data (p. 254), Predicting a Volcanic Eruption (p. 265), Modeling the Role of Water in Volcanic Eruptions (p. 268), Internet Activity: Living with Volcanoes (p. 269), Modeling an Explosive Eruption (p. 275), Modeling Ash and Gases in the Earth's Atmosphere (p. 279), Locating Earth's Volcanoes (pp. 282-283), Identifying Changes Over Time (p. 284),</p>				
<p><b>Materials Available to Check Out:</b> Tectonic Puzzle, Large Geologic Map of California, Earthquake Simulation Boxes, Mt. St. Helens Puzzle, Mt. St. Helens Ash, Pictures Mt. St. Helens, Pumice Mt. St Helens, San Andreas scarp, Mt. St. Helens Topographic Models, Samples of Ore from Gold Mine</p>				

January 2008				
M	T	W	Th	F
	H	H	H	H
7	8	9	10	11
14	15	16	17	18
H	22	23	24	25
28	29	30	31	

February 2008				
M	T	W	Th	F
4	5	6	7	8
H	12	13	14	15
H	19	20	21	22
25	26	27	28	29

<b>Shaping the Earth's Surface</b>				
		180 Day Instruction	90 Day Instruction	45 Day Instruction
<b>Weathering and Soil Formation</b>		10 days	6 days	3 days
Standards: 2abc, 5e, 6b, 7ac	Pages: 294-327			
<b>Agents of Erosion and Deposition</b>		10 days	5 days	3 days
Standards: 2acd, 3a, 7abe	Pages: 328-361			
<b>Rivers and Groundwater</b>		9 days	4 days	2 days
Standards: 2abd, 4a, 6b, 7adeh	Pages: 362-393			
<b>January 11: End of Second Quarter</b>				
<p><b>Activities:</b> Break It Down (p. 297), The Reactions of Acids (p. 302), How Fast Will it Dissolve? (p. 306), Internet Activity: Older Than Dirt (p. 307), Investigating Plant Growth (p. 311), Soil Erosion (p. 315), Weathering Rocks (pp. 318-319), Developing a Hypothesis (p. 320), Shaping Beaches by Wave Erosion (p. 331), Internet Activity: Erosion Disasters (p. 335), Observing Differences in Sand (p. 338), Making Desert Pavement (p. 341), Modeling a Glacier (p. 346), Modeling a Landslide (p. 349), Beach Erosion (pp. 352-353), The Sun and the Water Cycle (p. 365), Internet Activity: River Brochure (p. 368), River's Load (p. 371), Make your Own Lake (p. 376), How Much Water Can You Save? (p. 382), Carving a Stream (pp. 384-385), Identifying Changes Over Time (p. 386),</p>				
<p><b>Materials Available to Check Out:</b> Samples of Sand Types, Samples of Soil Types</p>				

February 2008				
M	T	W	Th	F
4	5	6	7	8
H	12	13	14	15
H	19	20	21	22
25	26	27	28	29

March 2008				
M	T	W	Th	F
3	4	5	6	7
10	11	12	13	14
H	H	H	H	H
H	25	26	27	28
31				

April 2008				
M	T	W	Th	F
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

<b>Earth's Oceans and Atmosphere</b>			
	<b>180 Day Instruction</b>	<b>90 Day Instruction</b>	<b>45 Day Instruction</b>
<b>Exploring the Oceans</b>	9 days	5 days	2 days
Standards: 1ade, 3c, 4d, 6abc, 7aeg Pages: 396-431			
<b>The Movement of Ocean Water</b>	9 days	4 days	2 days
Standards: 3ac, 4ade, 7ae Pages: 432-465			
<b>The Atmosphere</b>	9 days	6 days	3 days
Standards: 3acd, 4abe, 6a, 7abdeg Pages: 466-501			
<b>Weather and Climate</b>	10 days	5 days	3 days
Standards: 2d, 4abde, 6a, 7b Pages: 502-543			
<b>March 14: End of Third Quarter</b>		<b>State Testing April 21 – May 2</b>	
<p><b>Activities:</b> Clean Up That Spill! (p. 399), Density Factors (p. 404), Internet Activity: Life Under the Waves (p. 408), Seamounts (p. 410), The Desalination Plant (p. 413), Oily Feathers (p. 419), Investigating an Oil Spill (pp. 422-423), Interpreting Events by Time (p. 424), The Ups and Downs of Convection (p. 435) Creating Convection Currents (p. 441), What is El Niño? (p. 445), Warm Land, Cold Water (p. 446), Making Waves (p. 449), Modeling the Coriolis Effect (pp. 456-457), Sunlight and Temperature Change (p. 469), Modeling Air Pressure (p. 471), Modeling Air Movement By Convection (p. 477), Investigating the Coriolis Effect (p. 481), Collecting Air-Pollution Particles (p. 487), Under Pressure! (pp. 492-493), The Meeting of Air Masses (p. 505), Reaching the Dew Point (p. 509), Modeling a Front (p. 514), A Cool Breeze (p. 525), Internet Activity: A Century Later (p. 530), Hot Stuff (p. 532), Convection Currents (pp. 534-535), Collecting Weather Data (p. 536),</p>			
<b>Materials Available to Check Out:</b>			

April 2008				
M	T	W	Th	F
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

May 2008				
M	T	W	Th	F
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
H	27	28	29	30

<b>Ecology</b>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
<b>Interactions of Living Things</b>	10 days	5 days	3 days
Standards: 5abce, 7ce    Pages: 546-575			
<b>Biomes and Ecosystems</b>	10 days	5 days	3 days
Standards: 5abcde, 7abe    Pages: 576-613			
<b>State Testing April 21 – May 2</b>			
<b>Last Day of School: May 29</b>			
<p><b>Activities:</b> Who Eats Whom? (p. 549), Meeting the Neighbors (p. 551), Internet Activity: Salt-Marsh Birds (p. 553), How are Organisms in a Food Chain Connected? (p. 558), Predator or Prey? (p. 563), Too Much of a Nutrient? (pp. 566-567), Constructing a Bar Graph (p. 568), Build a Mini-Ecosystem (p. 579), Organisms and Water Resources (p. 582), What's Your Biome? (p. 590), How to Categorize Organisms (p. 598), Pond-Food Relationships (p. 601), Internet Activity: Earth Biome Brochure (p. 603), Discovering Mini-Ecosystems (pp. 604-605), Organizing and Analyzing Evidence (p. 606)</p>			
<b>Materials Available to Check Out:</b>			