

Bakersfield City School District
Curriculum & Standards

Revised August 15, 2008

Holt Science
Suggested Pacing Calendar 2008 - 2009
Grade 6

August 2008				
M	T	W	Th	F
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

September 2008				
M	T	W	Th	F
H	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30			

October 2008				
M	T	W	Th	F
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

<i>Introduction to Earth Science</i>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Lab Safety and The Scientific Method			
Standards: 7abcde	Pages 8-29		
The Nature of Earth Science			
Standards: 7abcde	13 days	6 days	3 days
Tools of Earth Science			
Standards: 7bcef	Pages 40-79		
Earth's Systems and Cycles			
Standards: 1b, 3acd, 4abcd, 5ab	12 days	6 days	3 days
<p>Activities: 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>Materials Available to Check Out: Large Geologic Map of California, Sets of Igneous, Sedimentary, and Metamorphic Rock, Electronic Balance, Triple-Beam Balance</p>			

October 2008				
M	T	W	Th	F
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

November 2008				
M	T	W	Th	F
3	4	5	6	7
10	H	12	13	14
17	18	19	20	21
24	25	26	H	H

<i>Earth's Resources</i>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Material Resources	10 days	5 days	3 days
Standards: 6bc Pages: 124-153			
Energy Resources	8 days	4 days	2 days
Standards: 3b, 6ab Pages: 154-183			
October 17: End of First Quarter			
<p>Activities: 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>Materials Available to Check Out: Large Geologic Map of California, Samples of coal, Samples of shale</p>			

November 2008				
M	T	W	Th	F
3	4	5	6	7
10	H	12	13	14
17	18	19	20	21
24	25	26	H	H

December 2008				
M	T	W	Th	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
H	H	H	H	H
H	H	H		

<i>Plate Tectonics and Earth's Structure</i>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Plate Tectonics	11 days	5 days	2 days
Standards: 1abcdef, 4c, 7g Pages: 186-227			
Earthquakes	11 days	5 days	3 days
Standards: 1adeg, 2d, 3a, 7bc Pages: 228-261			
Volcanoes	8 days	4 days	2 days
Standards: 1abdef, 2d, 6a, 7efh Pages: 262-291			
<p>Activities: 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>Materials Available to Check Out: 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 2009				
M	T	W	Th	F
			H	H
5	6	7	8	9
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February 2009				
M	T	W	Th	F
2	3	4	5	6
H	10	11	12	13
H	17	18	19	20
23	24	25	26	27

<i>Shaping the Earth's Surface</i>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Weathering and Soil Formation	10 days	6 days	3 days
Standards: 2abc, 5e, 6b, 7ac Pages: 294-327			
Agents of Erosion and Deposition	10 days	5 days	3 days
Standards: 2acd, 3a, 7abe Pages: 328-361			
Rivers and Groundwater	9 days	4 days	2 days
Standards: 2abd, 4a, 6b, 7adeh Pages: 362-393			
January 9: End of Second Quarter			
<p>Activities: 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>Materials Available to Check Out: Samples of Sand Types, Samples of Soil Types</p>			

February 2009				
M	T	W	Th	F
2	3	4	5	6
H	10	11	12	13
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23	24	25	26	27

March 2009				
M	T	W	Th	F
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30	31			

April 2009				
M	T	W	Th	F
		1	2	3
H	H	H	H	H
H	14	15	16	17
20	21	22	23	24
27	28	29	30	

<i>Earth's Oceans and Atmosphere</i>			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Exploring the Oceans	9 days	5 days	2 days
Standards: 1ade, 3c, 4d, 6abc, 7aeg Pages: 396-431			
The Movement of Ocean Water	9 days	4 days	2 days
Standards: 3ac, 4ade, 7ae Pages: 432-465			
The Atmosphere	9 days	6 days	3 days
Standards: 3acd, 4abe, 6a, 7abdeg Pages: 466-501			
Weather and Climate	10 days	5 days	3 days
Standards: 2d, 4abde, 6a, 7b Pages: 502-543			
March 13: End of Third Quarter		STAR Testing April 20 – May 1	
<p>Activities: 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>			
Materials Available to Check Out:			

April 2009				
M	T	W	Th	F
		1	2	3
H	H	H	H	H
H	14	15	16	17
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May 2009				
M	T	W	Th	F
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4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
H	26	27	28	29

<i>Ecology</i>				
		180 Day Instruction	90 Day Instruction	45 Day Instruction
Interactions of Living Things		10 days	5 days	3 days
Standards: 5abce, 7ce	Pages: 546-575			
Biomes and Ecosystems		10 days	5 days	3 days
Standards: 5abcde, 7abe	Pages: 576-613			
STAR Testing April 20 – May 1				
Last Day of School: May 28				
<p>Activities: 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>				
Materials Available to Check Out:				