

Bakersfield City School District
Curriculum & Standards

Holt Science

Suggested Pacing Calendar 2007 - 2008
Grade 7

August 2007				
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

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

<i>The Study of Living Things</i>				
		180 Day Instruction	90 Day Instruction	45 Day Instruction
The Nature of Life Science		10 days	4 days	2 days
Standards: 7abcde	Pages: 4-45			
It's Alive!! Or Is It?		7 days	4 days	2 day
Standards: 1a, 2a	Pages: 48-69			
Light and Living Things		8 days	4 days	2 day
Standards: 6abcdefg	Pages: 72-105			
<p>Activities: Investigating and Experimenting with yeast (p. 18), Preparing for a Lab (p. 35), Using Internet Resources for Research (p. 40), The Role of Cells (p. 53), Observing Enzymes in Pineapples (p. 59), Comparing Methods of Reproduction (p. 62), Refraction Rainbow (p. 80), Using a Microscope to Collect Data (p. 100)</p>				
<p>Materials Available to Check Out: 3 Unknown cans, electronic balance, double pan balance, triple-beam balance, hot plate, spectrosopes, incandescent bulb, fluorescent bulb, prism, small mirrors, assorted lenses, optical bench set.</p>				

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		

Cells			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Cells: The Basic Units of Life	17	8	4
Standards: 1abcd, 5a Pages: 110-143			
The Cell in Action	9	4	2
Standards: 1bde, 2e Pages: 144-165			
October 19: End of First Quarter			
Activities: Observing Cells (p. 115), Cell Diagrams (p. 121), A Division of Labor (p. 129), Currency of the Cell (p. 149), Phases of Mitosis (p. 158)			
Materials Available to Check Out: plant cell model, animal cell model, Microviewer slides: Animal Mitosis, Cells of Plants and Animals, Cells of Plants, Cells of Your Body.			

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

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				

Heredity and Genes			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Heredity	14	7	4
Standards: 2bcde Pages: 170-203			
Genes and DNA	10	5	3
Standards: 1a, 2e, Pages: 204-227			
<p>Activities: Flower Cross (p. 177), Completing a Punnett Square (p. 181), Modeling Space Bug Genetics (p. 194), Fingerprint Identification (p. 207), Making a Model of DNA (p. 210), Extracting DNA (p. 218)</p>			
<p>Materials Available to Check Out: Zipper DNA model, Microviewer slides: chromosomes and Genes in Action, Chromosomes and Heredity.</p>			

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				

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	

Earth and Life History			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Studying Earth's Past			
Standards: 3c, 4abce	Pages: 230-257	6 days	3 days
The History of Life on Earth			
Standards: 3c, 4cdefg	Pages: 260-291	8 days	4 days
The Evolution of Living Things			
Standards: 3abcde, 4f	Pages: 294-325	6 days	3 days
Classification			
Standards: 1a, 3d	Pages: 332-343	7 days	3 days
January 11: End of Second Quarter			
<p>Activities: Geology Flip Book (p. 236), Solve a Rock Layer Puzzle (p. 244), The Half-Life of Pennies (p. 260), Timeline of Earth's History (p. 278), Interpreting Fossil Finds (p. 284), Similarities (p. 304), Adaptations of Bird Beaks (p. 313), Survival of the Chocolates (p. 318), Analyzing a Branching Diagram (p. 331), Constructing a Branching Diagram (p. 333), Grouping Life Forms by Their Characteristics (p. 344)</p>			
<p>Materials Available to Check Out: Earthquake simulation box, fossils, survival of fittest fabric game, assorted buttons, plastic animals, Microviewer slides:How Rocks Are Formed, Evolution Under the Microscope, Fossils-Earth History, Survival by Camouflage.</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		

Structure and Function in Plants and Animals			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Introduction to Plants	10 days	5 days	3 days
Standards: 1bd, 2a, 5af Pages: 356-391			
Plant Processes	8 days	4 days	2 days
Standards: 1bdf, 2a, 5af Pages: 392-419			
Introduction to Animals	12 days	6 days	3 days
Standards: 2a, 5abcg, Pages: 420-459			
March 14: End of Third Quarter			
Spring Break: March 17 - 24			
April 21 – May 2: State Testing			
<p>Activities: Observing Plant Growth (p. 359), Dissecting Seeds (p. 369), How Do the Parts of a Plant Work Together? (p. 379), Build a Flower (p. 382), Measuring Gas Exchanges in Plants (p. 398), Food Factory and Waste (p. 410), Observing Animal Characteristics (p. 423), Grouping Organisms by Characteristics (p. 431), Structure and Function of Bone (p. 450)</p>			
<p>Materials Available to Check Out: plant cell model, microviewer slides: Monocots and Dicots, Cells of Plants, Cells of Plants and Animals.</p>			

April 2008				
M	T	W	Th	F
	1	2	3	4
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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

Human Body Systems			
	180 Day Instruction	90 Day Instruction	45 Day Instruction
Body Organization and Structure	10 days	5 days	2 days
Standards: 5abc, 6hi Pages: 462-491			
Circulation and Respiration	9 days	4 days	2 days
Standards: 5ab, 6j Pages: 492-519			
Communication and Control	10 days	5 days	2 days
Standards: 5abg, 6b Pages: 522-549			
Reproduction and Development	4 days	2 days	1 day
Standards: 1f, 2b, 5ade Pages: 552-577			
April 21 – May 2: State Testing			
Last day of School: May 29			
Activities: Pickled Bones (p. 474), Vessel Blockage (p. 500), Modeling Blood Pressure (p. 504), Carbon Dioxide in Respiration (p. 512), Measuring Reaction Time (p. 525), What Does the Ear Drum Do? (p. 539), Modeling Inheritance (p. 559), Development Timeline (p. 564)			
Materials Available to Check Out: x-ray, MRI, CAT scan, Heart model, stethoscope, working lung model, microviewer slides: Human Disease, Animal Tissues, Cells of Your Body, Human Reproduction, Comparative Respiration Systems,			