

**Fresno Unified School District
Grade 7 Science Curriculum Map**

Quarter 1	Holt Science Section	Book References	CA Standard	Suggested Time*
Introductory Unit	How to Use Text	Xxiv – xxix		Week 1
	Safety	Xxx - xxxiii	7.7a	Week 2
Unit 1: The Study of Living Things				
Chapter 1 The Nature of Life Science Chapter Preview/ Overview pp. 4-7	Section 1: Asking About Life	pp. 8-11	7.7b	Week 3
	Section 2: Scientific Methods	pp. 12-19	7.7c, 7.7e	Week 3
	Section 3: Tools and Measurement	pp. 20-25	7.7a	Week 3
	Section 4: Scientific Models and Knowledge	pp. 26-31	7.7c, 7.7d	Week 4
	Section 5: Safety in Science	pp. 32-37	7.7a	Week 4
Chapter 2 It's Alive!! Or Is It? Chapter Preview/ Overview pp. 48-51	Section 1: Characteristics of Living Things	pp.52-55	7.1a, 7.2a	Week 4-5
	Section 2: The Necessities of Life	pp.56-61	7.1a,7.7c	Week 5
Chapter 3 Light and Living Things Chapter Preview/ Overview pp. 72-75	Section 1: The Electromagnetic Spectrum	pp. 76-81	7.6a, 7.6e	Week 5
	Section 2: Interactions of Light With Matter	pp. 82 -89	7.6b, 7.6c, 7.6e-g,	Week 5
	Section 3: Refraction	pp. 90-97	7.6c-f	Week 5
Unit 2: Cells				
Chapter 4 Cells: The Basic Units of Life Chapter Preview/ Overview pp. 110-113	Section 1: The Characteristics of Cells	pp. 114-119	7.1a, 7.1c, 7.7d	Week 6
	Section 2: Eukaryotic Cells	pp. 120 – 127	7.1a-d, 7.7d	Week 7
	Section 3: The Organization of Living Things	pp. 128-133	7.1f, 7.5a	Week 7
Chapter 5 The Cell in Action Chapter Preview/Overview pp.144-147	Section 1: Cell Energy	pp. 148-151	7.1b, 7.1d	Week 8
	Section 2: The Cell Cycle	pp. 152-157	7.1b, 7.1e, 7.2e, 7.7d	Week 8

**Fresno Unified School District
Grade 7 Science Curriculum Map**

Quarter 2	Holt Science Section	Book References	CA Standard	Suggested Time*
Unit 3: Heredity and Genes				
Chapter 6 Heredity Chapter Preview/Overview pp. 170-173	Section 1: Mendel and His Peas	pp. 174-179	7.2d	Week 9
	Section 2: Traits and Inheritance	pp. 180-187	7.2c-d, 7.7c-d	Week 9
	Section 3: Meiosis	pp. 188-193	7.2b, 7.2e	Week 10
Chapter 7 Genes and DNA Chapter Preview/Overview pp. 204-207	Section 1: What Does DNA Look Like?	pp. 208-211	7.2e, 7.7d	Week 10
	Section 2: How DNA Works	pp. 212-217	7.1a, 7.2e	Week 11
Unit 4: Earth and Life History				
Chapter 8 Studying Earth's Past Chapter Preview/Overview pp. 230-233	Section 1: The Study of Earth's History	pp. 234-237	7.4a-b, 7.4e	Week 12
	Section 2: Relative Dating	pp. 238-245	7.3c, 7.4c	Week 13
	Section 3: Absolute Dating	pp. 246-249	7.3c, 7.4d	Week 14
Chapter 9 The History of Life on Earth Chapter Preview/Overview pp. 260-263	Section 1: Looking at Fossils	pp. 264-269	7.3c, 7.4c, 7.4e	Week 15
	Section 2: Earth's Changing Continents	pp. 270-275	7.4a, 7.4e-f	Week 16
	Section 3: Time Marches On	pp. 276-283	7.4d-e, 7.4g	Week 16

**Fresno Unified School District
Grade 7 Science Curriculum Map**

Quarter 3	Holt Science Section	Book References	CA Standard	Suggested Time*
Chapter 10 The Evolution of Living Things Chapter Preview/Overview pp. 294-297	Section 1: Change Over Time	pp. 298-305	7.3c-d	Week 17
	Section 2: How Does Evolution Happen?	pp. 306-311	7.3b	Week 17
	Section 3: Natural Selection in Action	pp. 312-317	7.3a, 7.3e, 7.4f, 7.7c	Week 18
Chapter 11 Classification Chapter Preview/Overview pp. 328-331	Section 1: Sorting It All Out	pp. 332-337	7.3d, 7.7d	Week 18
	Section 2: Domains and Kingdoms	pp. 338-343	7.1a, 7.3d, 7.7d	Week 19
Unit 5: Structure and Function in Plants and Animals				
Chapter 12 Introduction to Plants Chapter Preview/Overview pp. 356-359	Section 1: What is a Plant?	pp. 360-363	7.1b, 7.1d, 7.5a	Week 19
	Section 2: Seedless Plants	pp. 364-367	7.2a, 7.5a, 7.7c	Week 20
	Section 3: Seed Plants	pp. 368-373	7.2a, 7.5f, 7.7c	Week 21
	Section 4: Structures of Seed Plants	pp. 374-381	7.5a, 7.5f, 7.7c	Week 22
Chapter 13 Plant Processes Chapter Preview/Overview pp. 392-395	Section 1: Photosynthesis	pp. 396-399	7.1b, 7.1d, 7.7c	Week 23
	Section 2: Reproduction of Flowering Plants	pp. 400-403	7.2a, 7.5f, 7.7c	Week 24
	Section 3: Plant Development and Responses	pp. 404-409	7.1f, 7.5a	Week 25
Chapter 14 Introduction to Animals Chapter Preview/Overview pp. 420-423	Section 1: What Is an Animal?	pp. 424-429	7.1f, 7.2a, 7.5a- c	Week 26
	Section 2: The Animal Kingdom	pp. 430-437	7.5a	Week 27
	Section 3: Invertebrates	pp. 438-443	7.2a, 7.5a-b, 7.5g	Week 28
	Section 4: Vertebrates	pp. 444-449	7.1f, 7.2a, 7.5a- c, 7.5g	Week 28

**Fresno Unified School District
Grade 7 Science Curriculum Map**

Quarter 4	Holt Science Section	Book References	CA Standard	Suggested Time*
Unit 6: Human Body Systems				
Chapter 15 Body Organization and Structure Chapter Preview/Overview pp. 462-465	Section 1: Body Organization	pp. 466-471	7.1f, 7.5a-b, 7.7d	Week 29
	Section 2: The Skeletal System	pp. 472-475	7.5a, 7.5c, 7.6h, 7.7c	Week 29
	Section 3: The Muscular System	pp. 476-481	7.5a, 7.5c, 7.6i	Week 30
Chapter 16 Circulation and Respiration Chapter Preview/Overview pp. 492-495	Section 1: The Cardiovascular System	pp. 496-501	7.5a-b, 7.6j	Week 31
	Section 2: Blood	pp. 502-507	7.5a-b, 7.6j, 7.7d	Week 31
	Section 3: The Respiratory System	pp. 508-511	7.5a-b	Week 32
Chapter 17 Communication and Control Chapter Preview/Overview pp. 522-525	Section 1: The Nervous System	pp. 526-533	7.5a-b, 7.7d	Week 33
	Section 2: Sensing the Environment	pp. 534-541	7.5a-b, 7.5g, 7.6b, 7.7d	Week 34
Chapter 18 Reproduction and Development Chapter Preview/Overview pp. 552-555	Section 1: Human Reproduction	pp. 556-561	7.2b, 7.5a, 7.5d	Week 35
	Section 2: Growth and Development	pp. 562-567	7.1f, 7.5d-e, 7.7d	Week 36