

*Fresno Unified School District
Grade 8 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	7a	Week 2
Unit 1: Introduction to Physical Science				
Chapter 1: The Nature of Physical Science Chapter Preview/Overview pp. 4-7	1 - Science and Scientists	pp. 8-13	8.9a	Week 2-3
	2 - Scientific Methods	pp. 14-21	8.9a,b,c	
	3 - Safety in Science	pp. 22-27	8.9a	
	Review and Assessment	pp. 28-37	8.9a,b,c	
Chapter 2: Data in Science Preview and Overview pp. 38-41	1 - Tools and Models in Science	pp. 42-49	8.9b,f	Week 3-4
	2 - Organizing Your Data	pp. 50-55	8.9c,e,g	
	3 - Analyzing Your Data	pp. 56-61	8.9b,d	
	Review and Assessment	pp. 62-71	8.9a-g	
Unit 2: The Structure of Matter				
Chapter 3: Properties of Matter Preview and Overview pp. 74-77	1 - What is Matter?	pp. 78-83	8.8b; 8.9b,f	Week 5-6
	2 – Physical Properties	pp. 84-89	8.7c; 8.8a,b,d	
	3 – Chemical Properties	pp. 90- 95	8.5a,c,d	
	Review and Assessment	pp. 96-105	8.5a,c,d; 8.7c; 8.8a,b,d; 8.9b,f	
Chapter 4: States of Matter Preview and Overview pp. 106-109	1 – Four States of Matter	pp. 110-113	8.3d,e	Week 6-8
	2 – Changes of State	pp. 114-119	8.3d,e; 8.5d; 8.7c	
	Review and Assessment	pp. 120-129	8.3d,e; 8.5d; 8.7c	

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Quarter 2	Holt Science Lesson	Book References	CA Standard	Suggested Time*
Chapter 5: Elements, Compounds, and Mixtures Preview and Overview pp. 130-133	1 – Elements	pp. 134-137	8.7c	Week 9-10
	2 – Compounds	pp. 138-141	8.3b; 8.5a; 8.7c	
	3 – Mixtures	pp. 142-147	8.7c	
	Review and Assessment	pp. 148-157	8.3b; 8.5a; 8.7c	
Unit 3: The Atom				
Chapter 6: Introduction to Atoms Preview and Overview pp. 160-163	1 - Development of the Atomic Theory	pp. 164-171	8.3a	Week 11-12
	2 - The Atom	pp. 172-178	8.3a; 8.7b	
	Review and Assessment	pp. 179-189	8.3a; 8.7b	
Chapter 7: The Periodic Table Preview and Overview pp. 190-193	1 - Arranging the Elements	pp. 194-201	8.3f; 8.7a,b,c	Week 13-14
	2 – Grouping the Elements	pp. 202-209	8.3f; 8.7a,c	
	Review and Assessment	pp. 210-219	8.3f; 8.7a,b,c	
Unit 4: Interactions of Matter				
Chapter 8: Chemical Bonding Preview and Overview pp. 222-225	1 – Electrons and Chemical Bonding	pp. 226-229	8.3a,b,f	Week 15-16
	2 – Ionic Bonding	pp. 230-235	8.3a-c; 8.5a	
	3 – Covalent and Metallic Bonds	pp. 236-241	8.3a,b	
	Review and Assessment	pp. 242-251	8.3a,b,c,f; 8.5a	

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Quarter 3	Holt Science Lesson	Book References	CA Standard	Suggested Time*
Chapter 9: Chemical Reactions Preview and Overview pp. 252-255	1 – Forming New Substances	pp. 252-261	8.3b; 8.5a,c	Week 16-18
	2 – Chemical Formula and Equations	pp. 262-267	8.3f; 8.5b	
	Review and Assessment	pp. 268-277	8.3b,f; 8.5a,b,c; 8.9c	
Chapter 10: Chemical Compounds Preview and Overview pp. 278-281	1- Ionic and Covalent Compounds	pp. 282-285	8.3b,c; 8.7c	Week 19 - 21
	2 – Acids and Bases	pp. 286-291	8.5e	
	3 – Solutions of Acids and Bases	pp. 292-295	8.5e	
	Review and Assessment	pp. 296-305	8.3b,c; 8.5e; 8.7c; 8.9a	
Chapter 11: The Chemistry of Living Things Preview and Overview pp. 306-309	1- Elements in Living Things	pp. 310-313	8.6a,b	Week 22 - 23
	2 - Compounds of Living Things	pp. 314-319	8.3c; 8.6c	
	Review and Assessment	Pp 320-329	8.3c; 8.6a,b,c	
Unit 5: Motion and Forces				
Chapter 12: Matter in Motion Preview and Overview pp. 332-335	1- Measuring Motion	pp. 336-343	8.1a-f; 8.9e,f	Week 24-25
	2 – What is Force?	pp. 344-349	8.2a,-e	
	3 – Friction: A Force That Opposes Motion	pp. 350-355	8.2a,c,d,e	
	Review and Assessment	pp. 356-365	8.1a-f; 8.2a-e; 8.9e,f	
Chapter 13: Forces and Motion Preview and Overview pp. 366-369	1 – Fluids and Pressure	pp. 406-411	8.2a,c,d,e,g; 8.9e	Week 26 - 28
	2 – Buoyancy and Density	pp. 412-419	8.2c,e,f	
	Review and Assessment	pp.420-429	8.8a-d; 8.9f	

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Quarter 4	Holt Science Lesson	Book References	CA Standard	Suggested Time*
Chapter 14: Forces in Fluids Preview and Overview pp. 402-405	1- Fluids and Pressure	pp. 406-411	8.8a; 8.9f	Week 29-30
	2 – Buoyancy and Density	pp. 412-419	8.8a-d; 8.9a,b,f	
	Review and Assessment	pp. 420-429	8.8a-d; 8.9f	
Unit 6: Studying the Universe				
Chapter 15: Stars, Galaxies, and the Universe Preview and Overview pp. 432-435	1 – Star	pp. 436-443	8.4b,c	Week 31-33
	2 – The Life Cycle of Stars	pp. 444-449	8.4b	
	3 – Galaxies	pp. 451-453	8.4a,b	
	4 – Formation of the Universe	pp. 454-457	8.2g, 8.4a	
	Review and Assessment	pp. 458-467	8.2g; 8.4a,b,c; 8.9e	
Chapter 16: Our Solar System Preview and Overview pp. 468-471	1 – A Solar System is Born	pp. 472-479	8.2g; 8.4b,c,d	Week 34-36
	2 –The Inner Planets	pp.480-485	8.4e	
	3 – The Outer Planets	pp. 486-491	8.4e	
	4 - Moons	pp. 492-499	8.2g; 8.4d,e	
	5 – Small Bodies in the Solar System	pp. 500-505	8.4e	
	Review and Assessment	pp. 506-515	8.2g; 8.4b-e; 8.9d	