Grade 8 Science	Year At A Glance (YAG)	2025-2026

1st Nine Weeks August 13 - October 9	41 Total Days	**3rd Nine Weeks** January 7 - March 13	45 Total Days
August 13 - August 15 (3 Instr. Days) **First 3 Days**	Setting up Science Journals Science Safety	January 7 - January 30 (17 Instr. Days) **Unit/Topic 5: Weather & Climate** • Energy in Earth's Atmosphere & Hydrosphere • Global Patterns of Atmospheric Movement • Local Weather • Tropical Cyclones, Typhoons, and Hurricanes	**SEPS: 8.1A, 8.1B, 8.1C, 8.1F, 8.1G, 8.2B, 8.2C, 8.3A, 8.3B, 8.3C** **RTCs: 8.5A, 8.5B, 8.5E, 8.5G** **Content: 8.10A, 8.10B, 8.10C** Spiral Standards: 8.9A, 7.10B
August 18 - August 22 (5 Instr. Days) **SEPS and Themes Preview**	**SEPS: 8.1A, 8.1B, 8.1C, 8.1D, 8.1E, 8.1F, 8.1G, 8.1H, 8.2A, 8.2B, 8.2C, 8.2D, 8.3A, 8.3B, 8.3C, 8.4A, 8.4B, 8.4C** **RTCs: 8.5A, 8.5B, 8.5C, 8.5D, 8.5E, 8.5F, 8.5G**		
August 25 - September 26 (24 Instr. Days) **Unit/Topic 1: Matter & Chemical Reactions** • Classification of Matter • Properties of Water • Acids and Bases • Conservation of Mass	**SEPS:** 8.1G, 8.3A, 8.4B, 8.4C **RTCs**: 8.5A, 8.5B, 8.5C, 8.5E, 8.5G **Content:** 8.6A, 8.6B, 8.6C, 8.6D, 8.6E Spiral Standards: **7.6B, 7.6C**	February 2 - February 20 (13 Instr. Days) **Unit/Topic 6: Impacts on Global Climate** • Natural Events that Influence Climate • Human Activities that Influence Climate	**SEPS: 8.1B, 8.1E, 8.1G, 8.2B, 8.2C, 8.2D, 8.3A, 8.3B, 8.3C** **RTCs: 8.5A, 8.5B, 8.5E, 8.5G,** **Content: 8.11A, 8.11B, 8.11C** Spiral Standards: 8.10A, 7.11A
September 29 - October 17 (12 Instr. Days) **Unit/Topic 2: Force, Motion, & Acceleration** • Acceleration • Newton's Laws of Motion	**SEPS: 8.1B, 8.1C, 8.1E, 8.1F, 8.2B, 8.2C, 8.3A** **RTCs: 8.5A, 8.5C, 8.5F, 8.5G** **Content: 8.7A, 8.7B** Spiral Standards: 7.7A, 8.6E	February 23 - March 6 (10 Instr. Days) **Unit/Topic 7: Cell Structures, Inheritance, & Survival** • Functions of Cell Structures • Variations, Adaptations, and Survival	**SEPS: 8.1A, 8.1B, 8.1D, 8.1E, 8.1F, 8.1G, 8.2B, 8.3A, 8.3B, 8.4A, 8.4B, 8.4C** **RTCs: 8.5B, 8.5D, 8.5F** **Content: 8.13A, 8.13B, 8.13C** Spiral Standards: 7.13A, 7.13B
		March 9 - April 10 (16 Instr. Days) **Unit/Topic 8: Ecosystems & Population Change** • Ecosystem Disruptions and Food Webs • Ecological Succession • Biodiversity	**SEPS: 8.1A, 8.1B, 8.1C, 8.1G, 8.2B, 8.3A, 8.3B, 8.3C, 8.4A, 8.4B** **RTCs: 8.5A, 8.5B, 8.5E, 8.5G** **Content: 8.12A, 8.12B, 8.12C** Spiral Standards: 7.11B, 7.12A

2nd Nine Weeks October 15 - December 17	39 Total Days	**4th Nine Weeks** March 24 - May 21	41 Total Days
October 20 - November 21 (23 Instr. Days) **Unit/Topic 3: Waves & the Electromagnetic Spectrum** • Characteristics of Waves • Electromagnetic Waves • Applications of Electromagnetic Waves	**SEPS: 8.1A, 8.1B, 8.1C, 8.1D, 8.1E, 8.1F, 8.1G, 8.2A, 8.2B, 8.3A, 8.4B, 8.4C** **RTCs: 8.5A, 8.5B, 8.5E** **Content: 8.8A, 8.8B** Spiral Standards: **7.8A, 8.7A**	March 9 - April 10 (continued) **Unit/Topic 8: Ecosystems & Population Change**	See Above
		April 13 - April 23 (9 Instr. Days) **STAAR REVIEW**	
December 1 - December 12 (9 Instr. Days) **Unit/Topic 4: The Universe** • Stars • Galaxies • Origin of the Universe	**SEPS: 8.1A, 8.1G, 8.1E, 8.1H, 8.2A, 8.2B, 8.3A, 8.3B, 8.3C, 8.4A** **RTCs: 8.5A, 8.5B, 8.5C, 8.5G** **Content: 8.9A, 8.9B, 8.9C** Spiral Standards: **7.9B, 8.7B**	Apr 27 - May 22 (19 Instr. Days) **Student Designed Investigations**	**SEPS:** 8.1A,B,C,D,E,F,G 8.2A,B,C,D, 8.3A,B,C, 8.4A,B,C **RTCs**: 8.5A,B,C,D,E,F,G
December 15 - 17 3 FLEX Days			

[Grade 8 Texas Essential Knowledge and Skills (TEKS) for Science]

Recurring Themes and Concepts (RTC) **Science and Engineering Processes (SEP)** Readiness Standard Supporting Standard