8th Grade Science Year-At-A-Glance

Term 1	Term 2	Term 3	Term 4
Unit 1: Conservation of Mass 1. Changes in Matter 2. Counting Atoms 3. Conservation of Matter **Dates:** Aug 19 - Sept 11 **TEKS:** 8.6B, **8.6E**, **7.6B**, 7.6C *Textbook: Texas Experience Science Grade 8 - Topic 1: Matter and Chemical Reactions-Experience 4**	**Unit 3**: Waves and the Electromagnetic Spectrum 1. Characteristics of Waves 2. Electromagnetic Waves 3. Application of Waves **Dates:** Oct 13 - Oct 30 **TEKS:** 8.8A, 8.8B *Textbook: Texas Experience Science Grade 8 - Topic 3: Waves and the Electromagnetic Spectrum-Experience 1-3**	**Unit 6**: Weather and Climate 1. Energy in Earth's Atmosphere and Hydrosphere 2. Global Patterns of Atmospheric Movement 3. Local Weather 4. Tropical Cyclones, Typhoons, and Hurricanes **Dates:** Jan 6 - Jan 29 **TEKS: 8.10A**, 8.10B, 8.10C *Textbook: Texas Experience Science Grade 8 - Topic 5: Weather and Climate-Experience 1-4**	**Unit 8**: Cells and Traits, cont. 2. Variation, Adaptations, and Survival **Dates:** Mar 22 - Mar 30 **TEKS:** 8.13A, 8.13B, 8.13C *Textbook: Texas Experience Science Grade 8 - Cell Structures, Inheritance, and Survival-Experience 1**
			STAAR Countdown to Middle School (6-8) Science STAAR Test STAAR (6-8) Assessed Curriculum STAAR (6-8) Blueprint **Dates:** Mar 31 - Apr 15
Unit 2: Force, Motion, and Acceleration 1. Acceleration 2. Newton's Laws of Motion **Dates:** Sept 14 - Oct 8 **TEKS: 8.7A, 8.7B,** 7.7A, 7.7B, 7.7C *Textbook: Texas Experience Science Grade 8 - Topic 2: Force, Motion, and Acceleration-Experience 1 and 2**	**Unit 4**: The Universe 1. Origins of the Universe 2. Stars 3. Galaxies **Dates:** Nov 2 - Nov 20 **TEKS: 8.9A**, 8.9B, 8.9C *Textbook: Texas Experience Science Grade 8 - Topic 4: The Universe-Experience 1-3**	**Unit 7**: Ecosystems and Population Change 1. Biodiversity 2. Ecosystem Disruptions 3. Ecological Succession **Dates:** Feb 1 - Mar 1 **TEKS:** 8.12A, **8.12B**, 8.12C *Textbook: Texas Experience Science Grade 8 - Ecosystems and Population Change-Experience 1-3**	**Unit 9**: Properties of Matter 1. Classification of Matter 2. Properties of Water 3. Acids and Bases **Dates:** Apr 16 - Apr 30 **TEKS:** 8.6A, 8.6C, 8.6D *Textbook: Texas Experience Science Grade 8 - Topic 1: Matter and Chemical Reactions-Experience 1-3**
	Unit 5: Plate Tectonics 1. Earth Changes Over Time 2. Plate Tectonics **Dates:** Nov 30 - Dec 18 **TEKS:** 7.10A, **7.10B** *Textbook: Texas Experience Science Grade 7 - Topic 5: Plate Tectonics-Experience 2-4**	**Unit 8**: Cells and Traits 1. Functions of Cell Structures 2. Variation, Adaptations, and Survival **Dates:** Mar 2 - Mar 19 **TEKS:** 8.13A, 8.13B, 8.13C *Textbook: Texas Experience Science Grade 8 - Cell Structures, Inheritance, and Survival-Experience 1 and 2**	**Unit 10**: Impacts on Global Climate 1. Natural Factors 2. Human Activity **Dates:** May 3 - May 27 **TEKS:** 8.11A, 8.11B, 8.11C *Textbook: Texas Experience Science Grade 8 - Topic 6: Impacts of Global Climate-Experience 1 and 2**
Important Dates: Aug 19: Term Begins Sept 7: District Holiday *Sept 8 - 11: BOY Window* Sept 21: District Inservice Oct 8: Term Ends	**Important Dates:** Oct 9: Student/Teacher Holiday Oct 12: Campus Inservice Oct 13: Term Begins *Oct 26 - 30: Benchmark 1 Window* Nov 9: District Inservice *Dec 14 - 18: Benchmark 2 Window* Dec 18: Term Ends	**Important Dates:** Jan 4 - 5: Campus Inservice Jan 6 Term Begins Jan 18: District Holiday Feb 15: Campus Inservice *Feb 22 - 26: Benchmark 3 Window* Mar 8 - 12: District Holiday Mar 19: Term Ends	**Important Dates:** Mar 22: Term Begins Mar 25 and 29: District Holiday May 27: Term Ends

**Texas Experience Science Grade 8 textbook resources can be accessed on Clever via the Savvas Realize app*