

**Scope and Sequence**

Unit	Lesson and TEKS	Suggested Instructional Time	Unit Total
1	1.1 Safety (C.1C, C.1D)	4 days	10 days
	1.2 Accuracy and Precision (C.2B, C.2C, C.1G)	2 days	
	1.3 Measuring Tools and Measurement (C.1D, C.1E)	4 days	
2	2.1 The History of the Model of the Atom (C.6A, C.6B)	3 days	15 days
	2.2 Isotopes and Average Atomic Mass (C.6B, C.6D)	3 days	
	2.3 Nuclear Chemistry (C.14A, C.14B, C.14C)	3 days	
	2.4 Electrons and the Electron Cloud (C.6C, C.6E)	6 days	
3	3.1 Development of the Periodic Table and Properties of Families (C.5A, C.5B)	4 days	8 days
	3.2 Periodic Trends (C.5C)	4 days	
4	4.1 Ionic Bonding and Periodic Properties (C.6B, C.7A, C.7D)	4 days	12 days
	4.2 Ionic Naming and Formula Writing (C.7B)	8 days	
5	5.1 Covalent Bonding, Naming, and Formula Writing (C.7A, C.7B)	4 days	14 days
	5.2 Covalent Compounds, Lewis Structures, and VSEPR Theory (C.7C)	6 days	
	5.3 Intermolecular Forces of Covalent and Metallic Substances (C.7D)	4 days	
6	6.1 The Math of Chemistry (C.8C, C.8D)	10 days	32 days
	6.2 The Mole, Avogadro's Number, and Mole Conversions (C.8A, C.8B)	7 days	
	6.3 Reaction Types and Balancing Equations (C.9A)	7 days	
	6.4 Stoichiometric Conversions (C.9C, C.9D)	8 days	
7	7.1 Kinetic Molecular Theory and Dalton's Law (C.10A, C.10C)	3 days	13 days
	7.2 Relationships Between Variables of a Gas (C.10B)	10 days	
8	8.1 Laws of Thermodynamics (C.13A)	5 days	19 days
	8.2 Endothermic vs. Exothermic Reactions (C.13C)	6 days	
	8.3 Calorimetry and Specific Heat (C.13B, B.13D)	8 days	
9	9.1 Solutions and the Role of Water (C.11A, C.11B, C.11C)	5 days	15 days
	9.2 Solubility and Net Ionic Reactions (C.11D)	5 days	
	9.3 Calculations Using Molarity (C.11E, C.11F)	5 days	
10	10.1 Types and Naming of Acids and Bases (C.12A, C.12B)	3 days	13 days
	10.2 Acids, Bases, and Neutralization (C.9B, C.12C, C.12D)	5 days	
	10.3 Calculating pH (C.12E)	5 days	