Chemistry Year-At-A-Glance

Term 1	Term 2	Term 3	Term 4
Unit 1: Lab Safety and Lab Equipment **Dates:** Aug 19 - Aug 21 **TEKS:** C.1C, C.1D	**Unit 4**: Electrons and Light 1. Energy, Frequency, and Wavelength Relationships 2. Electronic Configurations **Dates:** Oct 13 -Oct 23 **TEKS:** C.6C, C.6E	**Unit 8**: Chemical Reactions and Chemical Formulas 1. Empirical and Molecular Formulas 2. Write and Balance Chemical Equations 3. Types of Chemical Reactions **Dates:** Jan 6 - Jan 29 **TEKS:** C.8C, C.8D, C.9A, C.9B	**Unit 11**: Gas Laws, *continued* 1. Kinetic Molecular Theory 2. Relationships between Gas Variables 3. Gas Law Calculations **Dates:** Mar 15 - Apr 1 **TEKS:** C.9C, C.10A-C
Unit 2: Scientific Measurement and Matter 1. Qualitative/Quantitative Data 2. Metric and Mole Conversions 3. Properties and Classification of Matter **Dates:** Aug 24 - Sept 18 **TEKS:** C.8A, C.8B	**Unit 5**: Periodic Table and Periodic Table Trends 1. History and the Development of the Periodic Table 2. Properties of the Periodic Table 3. Periodic Trends of Elements **Dates:** Oct 24 - Nov 6 **TEKS:** C.5A-C, C.7A	**Unit 9**: Stoichiometry 1. Stoichiometric Calculations 2. Limiting Reactants and Percent Yield **Dates:** Feb 1 - Feb 17 **TEKS:** C.8A-D	**Unit 12**: Properties of Solutions 1. Water, Electrolytes, Dissolution and Solubility Curves 2. Calculating Molarity and Dilution 3. Net Ionic Equations and Redox **Dates:** Apr 2 - Apr 23 **TEKS:** C.11A-F, C.9B
Unit 3: Atomic Structure 1. History of Modern Atomic Theory 2. Atomic Structure 3. Calculate Average Atomic Mass **Dates:** Sept 22 - Oct 6 **TEKS:** C.6A, C.6B, C.6D	**Unit 6**: Chemical Bonding 1. Ionic and Metallic Bonding 2. Covalent Bonding 3. VSPER and Molecular Geometries **Dates:** Nov 10 - Nov 20 **TEKS:** C.6E, C.7C, C.7D	**Unit 10**: Thermochemistry 1. Endothermic vs. Exothermic 2. Enthalpy and Specific Heat 3. Energy Changes in Reactions **Dates:** Apr 5 - May 27 **TEKS:** C.13A-D	**Unit 13**: Properties of Acids and Bases 1. Characteristics of Acids and Bases 2. Acid and Base Reactions 3. pH **Dates:** Apr 26 - May 7 **TEKS:** C.9B, C.12A-F
Unit 4: Electrons and Light 3. Energy, Frequency, and Wavelength Relationships **Dates:** Oct 7 **TEKS:** C.6C, C.6E	**Unit 7**: Chemical Nomenclature 1. Binary and Polyatomic Ionic Nomenclature 2. Covalent Nomenclature 3. Acid and Base Nomenclature **Dates:** Nov 30 - Dec 10 **TEKS:** C.7B, C.12A	**Unit 11**: Gas Laws 4. Kinetic Molecular Theory 5. Relationships between Gas Variables 6. Gas Law Calculations **Dates:** Mar 15 - Mar 19 **TEKS:** C.9C, C.10A-C	**Unit 14**: Nuclear Chemistry 1. Types of Radiation and Balancing Nuclear Reactions 2. Fission vs. Fusion **Dates:** May 10 - May 14 **TEKS: 7.13A**, 7.13B
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 Nov 9: District Inservice Dec 18: Term Ends	**Important Dates:** Jan 4 - 5: Campus Inservice Jan 6 Term Begins Jan 18: District Holiday Feb 15: Campus Inservice Mar 8 - 12: District Holiday Mar 19: Term Ends	**Important Dates:** Mar 22: Term Begins Mar 25 and 29: District Holiday *Apr 26 - May 7: EOY Window* May 27: Term Ends