



DUVAL COUNTY PUBLIC SCHOOLS  
CHEMISTRY YEAR-AT-A-GLANCE 2020-2021



1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
<u>Unit I: Matter</u> [SC.912.L.18.12, SC.912.P.8.1, SC.912.P.8.2] A. Properties of Water B. States of Matter C. Physical and Chemical Properties	<u>Unit IV: Chemical Reactions</u> [SC.912.P.8.2, SC.912.P.8.7, SC.912.P.8.9, SC.912.P.8.8, SC.912.P.10.12] A. Physical and Chemical Changes B. Understanding Nomenclature C. Balancing Equation D. Reaction Types	<u>Unit VI: Thermodynamics</u> [SC.912.P.10.6, SC.912.P.10.7, SC.912.P.8.1, SC.912.P.10.5, SC.912.P.8.7, SC.912.P.8.8, SC.912.P.10.1, SC.912.P.12.13] A. Endothermic and Exothermic Reactions B. Energy Phase Changes C. Hydrocarbons D. Combustion Reactions E. Specific Heat Capacity F. Equilibrium	<u>Unit VI: Acids and Bases</u> [SC.912.P.8.11, SC.912.P.8.5] A. Relate Acidity and Basicity to Hydronium and Hydroxyl Ions B. Acids and Base Theories C. Electroplating
<u>Unit II: Atomic Theory</u> [SC.912.P.8.3, SC.912.P.8.4, SC.912.P.10.9, SC.912.P.10.8] A. History From Early Greece to Current B. Quantization of Atom	<u>Unit V: Moles</u> [SC.912.P.8.9, SC.912.P.12.12] A. Stoichiometry B. Reaction Rates		<u>Unit VII: Gas Laws</u> [SC.912.P.8.6, SC.912.P.12.10, SC.912.P.12.11] A. Intermolecular Forces B. Gas Laws and Kinetic Molecule Theory
<u>Unit III: Periodic Table</u> [SC.912.P.8.5, SC.912.P.8.7] A. Periodic Trends B. Forming and Naming Compounds			
Quarter 1 Chapter Challenge	Quarter 2 Chapter Challenge	Quarter 3 Chapter Challenge	Quarter 4 Chapter Challenge