



STAFFORD MUNICIPAL SCHOOL DISTRICT

Year at a Glance

Science – Chemistry

Course Description:

In **Chemistry**, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. TEKS for this course are currently in the revision stage with new implementation beginning in 2023. Updates to this document will occur in 2022.

Grading Periods	Unit Names
Grading Period 1	<i>Processes of Chemistry Investigations</i> <i>Unit 1: Matter</i> <i>Unit 2: Atomic Structure and the Periodic Table</i>
Grading Period 2	<i>Unit 2: Atomic Structure and the Periodic Table, cont.</i> <i>Unit 3: Chemical Bonding</i> <i>Unit 4: Chemical Formulas</i>
Grading Period 3	<i>Unit 5: Chemical Equations and Reactions</i> <i>Unit 6: Mole Concept</i>
Grading Period 4	<i>Unit 7: Stoichiometry</i> <i>Unit 8: Gases</i>
Grading Period 5	<i>Unit 9: Solutions</i> <i>Unit 10: Acids and Bases</i>
Grading Period 6	<i>Unit 11: Thermochemistry</i> <i>Unit 12: Nuclear Chemistry</i>