



## STAFFORD MUNICIPAL SCHOOL DISTRICT

### Year at a Glance

### Science – Integrated Physics and Chemistry

#### Course Description:

In **Integrated Physics and Chemistry**, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter. TEKS for this course are currently in the revision stage with new implementation beginning in 2023. Updates to this document will occur in 2022.

<b>Grading Periods</b>	<b>Unit Names</b>
Grading Period 1	<i>Processes of Scientific Investigations</i> <i>Unit 1: Properties of Matter</i> <i>Unit 2: Elements &amp; the Periodic Table</i>
Grading Period 2	<i>Unit 2: Elements &amp; the Periodic Table, cont.</i> <i>Unit 3: Nuclear Reactions</i> <i>Unit 4: Solutions</i>
Grading Period 3	<i>Unit 5: Chemical Reactions</i>
Grading Period 4	<i>Unit 6: Position, Speed, &amp; Acceleration</i> <i>Unit 7: Forces &amp; Momentum</i> <i>Unit 8: Potential &amp; Kinetic Energy</i>
Grading Period 5	<i>Unit 8: Potential &amp; Kinetic Energy, cont.</i> <i>Unit 9: Thermal Energy</i> <i>Unit 10: Waves</i>
Grading Period 6	<i>Unit 10: Waves, cont.</i> <i>Unit 11: Electricity</i> <i>Unit 12: Energy Resources</i>