



**Course Description:**

In **Physics**, 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: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills. 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 Physics Investigations Unit 1: Kinematics in One Dimension and Graphing Motion</i>
Grading Period 2	<i>Unit 2: Newton’s Laws of Motions Unit 3: Two Dimensional Motion</i>
Grading Period 3	<i>Unit 4: Universal Gravitation Unit 5: Conservation of Energy</i>
Grading Period 4	<i>Unit 6: Conservation of Momentum Unit 7: Thermodynamics Unit 8: Waves</i>
Grading Period 5	<i>Unit 8: Waves, cont. Unit 9: Electrical and Magnetic Forces and Fields</i>
Grading Period 6	<i>Unit 10: Current Electricity Unit 11: Atomic, Nuclear, and Quantum Physics</i>