

Integrated Physics and Chemistry Parent Guide

Integrated Physics and Chemistry students will study a variety of topics that include: force, motion, energy, and matter as they apply to both physics and chemistry. Students will ask questions, plan and conduct investigations, and explain phenomena using appropriate tools and models. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation. Texas Essential Knowledge and Skills for IPC §112.44. Integrated Physics and Chemistry, Adopted 2021

1st 6 Weeks:

Introduction to Science/Safety – Interactive Science Notebooks
Graphing and Analyzing Motion
Momentum in Collisions
The Four Fundamental Forces

4th 6 Weeks:

Renewable Energy
Elements and the Periodic Table
Using Properties of Substances

2nd 6 Weeks:

The Four Fundamental Forces
Gravity and Electromagnetism
Series and Parallel Circuits

5th 6 Weeks:

Atomic Emission Spectra
Investigating Reaction and Solution Rates
Changes in Chemical Reactions
Balancing Reactions

3rd 6 Weeks:

Generating Electricity
Conservation of Energy
Transferring Energy and Information

6th 6 Weeks:

Balancing Reactions
Nuclear Reactions
Chemistry's Impact on the Environment

Questions? Please contact your course science teacher.

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