

Physical Science Syllabus



Complete each of the assignments in each section in the order listed. Lab activities may be added as you progress through the units.

All chapters listed are *Glencoe Science: Physical Science*, 2002 edition

Vocabulary assignments must be completed on Frayer diagrams. All other assignments are to be completed on your own paper unless noted otherwise.

Unit exams can be taken on paper, but may be available online. All exams must be completed during class time

Lab Safety Module

Complete if needed

Unit 1: Classification of Matter

Chapter 16: Solids, Liquids, and Gasses

Chapter 17: Classification of Matter

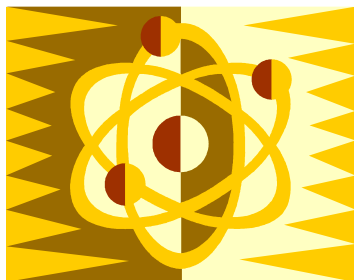
Vocabulary:

- Boiling point
- Heat of fusion
- Kinetic theory
- Pressure
- Chemical change
- Physical change
- Law of conservation of mass
- Matter

Unit Assignment

Unit Exam

Unit 2: Atoms and the Periodic Table



Chapter 20: Elements and their Properties
Chapter 18: Atomic Structure and the Periodic Table

Vocabulary:

- Atom
- Isotope
- Nucleus
- Group
- Period
- Metal
- Nonmetal
- Metalloid

Unit Assignment

Unit Exam

Unit 3: Bonding and Chemical Reactions

Chapter 19 & 24: Chemical Bonding and Reactions
Chapter 25: Acids and Bases
Chapter 9 Nuclear Fusion and Fission

Vocabulary:

- Binary compound
- Ionic bond
- Covalent bond
- Acid
- Base
- Chemical equation
- Coefficient
- Precipitate

Unit Assignment

Unit Exam

Unit 4: Waves

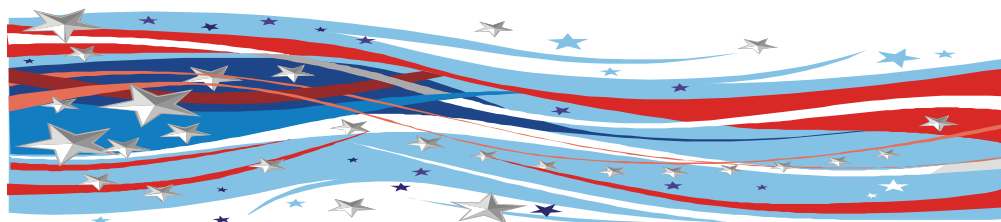
Chapters 11-14: Waves, Sound, and Light

Vocabulary:

- Crest
- Trough
- Amplitude
- Medium
- Refraction
- Reflection
- Compression wave
- Electromagnetic spectrum

Unit Assignment

Unit Exam



Unit 5: Types of Energy

Chapter 6: Thermal Energy

Chapter 7: Electricity

Vocabulary:

- Conduction
- Convection
- Radiation
- Static electricity
- Series circuit
- Voltage
- Specific heat
- Ohm's law

Unit Assignment

Unit Exam



Unit 6: Motion

Chapter 2: Motion and Speed

Vocabulary:

- Law of Conservation of Momentum
- Speed
- Velocity
- Acceleration

Unit Assignment

Unit Exam

Unit 7: Forces

Chapter 3: Forces

Chapter 4: Energy

Chapter 5: Work and Machines

Vocabulary:

- Force
- Gravity
- Mass
- Weight
- Simple Machines
- Power
- Efficiency
- Work
- Inertia

Unit Assignment

Unit Exam



EOC Review Guide

Physical Science EOC