



Weekly Reading & Lab Overview

Lesson	Textbook	Lab & Activities
Lesson 1: Introduction to Physical Science & The Scientific Method	Sections 7.1 & 7.4-7.6	Freezing Liquids & Exploring the Scientific Method
Lesson 2: Investigating Measurements & Unit Conversions	Sections 8.1 - 8.4	Scientific Measurements
Lesson 3: Tools for Scientific Study	Section 1.1	Bullseye! Activities to Explore Accuracy & Precision
Lesson 4: Classification & Properties of Matter	Sections 6.2-6.5, 9.1, & 9.5	Physical vs. Chemical Changes
Lesson 5: Density & States of Matter	Sections 9.3 - 9.4	Calculating & Comparing Density
Lesson 6: Structure of the Atom	Chapter 1	Building Bohr Models
Lesson 7: Introducing the Periodic Table	Section 6.3	Research Your Favorite Element
Lesson 8: Stability & Types of Bonding	Sections 6.1 & 11.2	Exploring Properties of Ionic & Molecular Compounds
Lesson 9: Exam 1		
Lesson 10: Reading & Writing Chemical Formulas	Sections 6.4	Growing Ionic Crystals
Lesson 11: Naming Ionic Compounds	Section 11.1 (stop at <i>Acids & Bases</i>)	Ionic Compounds Dice Lab

Lesson 12: Naming & Writing Formulas for Molecular Compounds		Exploring Covalent Compounds
Lesson 13: Balancing Chemical Equations		Balancing Chemical Equations & Exploring Conservation of Mass
Lesson 14: Types of Chemical Reactions	Section 11.3	Types of Reactions Lab
Lesson 15: Solutions	Section 6.5	Solubility of Epsom Salts & Sodium Carbonate
Lesson 16: Acids & Bases	Section 11.1	Acids & Bases in Your Home
Lesson 17: Nuclear Changes	Section 5.1	The Half-life of Radioactive Pennies
Lesson 18: Exam 2		
Lesson 19: Describing Motion	Sections 10.1-10.2	Calculating Velocity
Lesson 20: Acceleration	Section 10.3	Exploring Acceleration
Lesson 21: Newton's 1st & 2nd Laws	Section 10.4 through Newton's Second Law of Motion	Exploring Inertia
Lesson 22: Gravity & Projectile Motion	Section 5.1 <i>The Gravitational Force section</i> & 5.2 <i>The Gravitational Field section</i>	Explorations in Gravity & Air Resistance
Lesson 23: Newton's 3rd Law	Section 10.4 <i>Newton's Third Law of Motion section</i>	Building a Slingshot

Lesson 24: Work & Power	Section 3.4	Investigating Human Work & Power
Lesson 25: Exploring Energy, Heat, & Temperature	Sections 2.3 (<i>starting at Kinetic Energy</i>), 3.1, 3.3, & 3.5	Exploring Conduction
Lesson 26: Simple Machines		Simple Machines Challenge: Rescuing the Circus Elephant
Lesson 27: Exam 3		
Lesson 28: Introduction to Waves	Sections 12.1-12.2	Hands-On Wave Dynamics with a Slinky
Lesson 29: Properties of Sound Waves	Section 12.4	Frequency of sounds
Lesson 30: Light & Color	Section 2.3 (<i>stop at kinetic energy</i>)	Light & Color Dynamics
Lesson 31: Behaviors of Light	Section 12.3	Bending Light: Reflection & Refraction Diagrams
Lesson 32: Exploring Electrical Charge	Sections 13.1-13.2	Conductivity in Action
Lesson 33: Electric Circuits	Sections 13.3-13.5	Circuit Discovery: Building and Understanding Connections
Lesson 34: Magnetism	Section 14.1	The Science of Compass-Making
Lesson 35: Exam 4		