

CP Physical Science Pacing Guide

Unit 1: Introduction to Physical Science

Number of Days: 7

1. Science Skills
2. Lab Safety
3. Laboratory Equipment

Unit 2: Mechanics

Number of Days: 10

1. Motion
2. Forces
3. Momentum using Investigations
4. Density and Buoyancy

Unit 3: Work, Power, and Energy

Number of Days: 9

1. Work and Power
2. Simple Machines
3. Energy
4. Waves
 - a. Mechanical and Surface Waves
 - b. Behavior of Waves
 - c. Electromagnetic Waves

Unit 4: Properties of Matter

Number of Days: 12

1. Physical and Chemical Properties
2. States of Matter
 - a. Physical states of matter
 - b. Phase change
3. Thermal Energy and Heat
 - a. Laws of Thermodynamics

Unit 5: Electromagnetism

Number of Days: 12

1. Static Electricity
2. Electric Currents and Ohm's Law
3. Circuits and Electric Power
4. Magnets
5. Electromagnets
6. Generation of Electricity

Unit 6: The Atom and Periodic Table

Number of Days: 11

1. Structure of the Atom
2. Modern Atomic Theory
3. Nuclear Chemistry
4. Half-Life Calculations
5. Periodic Table
 - a. Organization and Periodic Trends
 - b. Groups/Families

Unit 7: Bonding

Number of Days: 12

1. Ionic
2. Covalent
3. Metallic

Unit 8: Reactions

Number of Days: 8

1. Indicators of Chemical Change/Reactions
2. Types of Reactions
3. Energy and Changes

Unit 9: Composition of Solutions

Number of Days: 7

1. Formation of Solutions
2. Solubility Curve
3. Concentration
4. Polarity
5. pH Scale
6. Electric Conductivity

NORTH CAROLINA FINAL EXAM Review

Number of Days: 6

Vocabulary Quiz Calendar

Quiz Number	Date	Unit	Terms	Quizlet Link	Vocabulary List
1	09/01/2017	1	1-10	Unit 1 Quizlet	Unit 1
2	09/08/2017	1	11-21	Unit 1 Quizlet	Unit 1
3	09/15/2017	2	1-11	Unit 2 Quizlet	Unit 2
4	09/22/2017	2	12-22	Unit 2 Quizlet	Unit 2
5	09/29/2017	3	1-20	Unit 3 Quizlet	Unit 3
6	10/06/2017	3	21-40	Unit 3 Quizlet	Unit 3
7	10/13/2017	4	1-16	Unit 4 Quizlet	Unit 4
8	10/20/2017	4	17-32	Unit 4 Quizlet	Unit 4
9	10/27/2017	5	1-20	Unit 5 Quizlet	Unit 5
10	11/03/2017	5	21-39	Unit 5 Quizlet	Unit 5
11	11/09/2017	6	1-20	Unit 6 Quizlet	Unit 6
12	11/17/2017	6	21-40	Unit 6 Quizlet	Unit 6
13	12/01/2017	7	1-14	Unit 7 Quizlet	Unit 7
14	12/08/2017	8	1-14	Unit 8 Quizlet	Unit 8
15	12/15/2017	9	1-18	Unit 9 Quizlet	Unit 9
16	01/05/2017	FINAL VOCABULARY REVIEW	40 matching vocabulary terms	40 MATCHING Units 1-9 Review!!!	See ABOVE!!!