

**Marking Period 1 - 46 days**❖ **Unit 1 - Atoms, Elements, and Molecules** (46 days)

- Standards: HS-PS1-1, HS-PS1-2, HS-PS1-3, HS-PS1-7, HS-PS2-4, HS-PS3-5
- Content:
  - Safety in Science (2 days)
  - Atomic Structure (17 days)
  - The Periodic Table (10 days)
  - Chemical Bonding (17 days)

**Marking Period 2 - 46 days**❖ **Unit 2 - Bonding and Chemical Reactions** (46 days)

- Standards: HS-PS1-2, HS-PS1-3, HS-PS1-4, HS-PS1-5, HS-PS1-7, HS-PS2-4, HS-PS3-5, HS-ETS1-2, HS-ETS1-3
- Content:
  - Physical Properties of Matter (8 days)
  - Chemical Quantities (12 days)
  - Chemical Reactions (10 days)
  - Stoichiometry (8 days)
  - Thermochemistry (8 days)

**Marking Period 3 - 46 days**❖ **Unit 3 - The Chemistry of Climate Change** (36 days)

- Standards: HS-PS1-3, HS-ESS2-2, HS-ESS2-4, HS-ESS2-6, HS-ESS3-2, HS-ESS3-5, HS-ESS3-6, HS-ETS1-2, HS-ETS1-3, HS-ETS1-4
- Content:
  - The Behavior of Gases (10 days)
  - Weather and Climate (12 days)
  - Global Climate Change (14 days)

❖ **Unit 4 - The Dynamics of Chemical Reactions and Ocean Acidification** (10 days)

- Standards: HS-PS1-5, HS-PS1-6, HS-PS1-7, HS-ESS2-2, HS-ESS2-6, HS-ESS3-4, HS-ESS3-6, HS-ETS1-1, HS-ETS1-2, HS-ETS1-3, HS-ETS1-4
- Content:
  - Reaction rates and Equilibrium (10 days)

**Marking Period 4 - 42 days**❖ **Unit 4 - The Dynamics of Chemical Reactions and Ocean Acidification** (20 days)

- Standards: HS-PS1-5, HS-PS1-6, HS-PS1-7, HS-ESS2-2, HS-ESS2-6, HS-ESS3-4, HS-ESS3-6, HS-ETS1-1, HS-ETS1-2, HS-ETS1-3, HS-ETS1-4
- Content:
  - Acid-Base Equilibria (10 days)
  - Ocean Acidification (10 days)

❖ **Unit 5 - Industrial Applications** (22 days)

- Standards: HS-PS1-1, HS-PS1-6, HS-PS1-8, HS-ESS1-1, HS-ESS1-2, HS-ESS1-3, HS-ESS1-6, HS-ESS3-2, HS-ESS3-3, HS-ESS3-4, HS-ETS1-3, HS-ETS1-4
- Content:
  - Nuclear Processes (11 days)
  - Green Chemistry (11 days)