Unit Pacing Guides: Chemistry H

Content Area: **Science**
Course(s): **Chemistry H/Lab**
Time Period: **Sept-June**
Length: **Full Year**
Status: **Published**

Unit Pacing Guides

Belleville Public Schools Unit Pacing Guide

Content Area: Science

Course(s): Chemistry H

Time Period: September - June

Division of Units / Topics:

Honors Chemistry Unit 1: Safety and Scientific Method Lab 1a - Observation and Experimentation (Flinn Lab)	16 Days
Honors Chemistry Unit 2: Matter, Measurement and Problem Solving Lab 2a - Specific Heat Capacity Lab 2b - Density Lab 2c - Cooling Curves	18 Days
Honors Chemistry Unit 3: Atoms and Elements	17 Days

3a - Conservation of mass	
Honors Chemistry Unit 4: Molecules, Compounds, and Chemical Equations 4a -Inorganic nomenclature 4b - Molecular modeling	16 Days
Honors Chemistry Unit 5: Chemical Quantities and Aqueous Reactions 5a - Empirical formula 5b - Finding the formula of a hydrated salt 5c Limiting reactant and percent yield 5d - Preparing a standard solution 5e - Micro-scale titration 5f - Stoichiometry simulation 5g - Precipitation reactions 5h - Le Chatelier Principal	17 Days
Honors Chemistry Unit 6: Gases 6a - Balloon Stoichiometry 6b Determination of R 6c - Boyles Law and Charles Law	15 Days
Honors Chemistry Unit 7:Thermochemistry 7a - Enthalpy of Neutralization 7b - Instant cold pacts 7c - indirect enthalpy changes	15 Days
Honors Chemistry Unit 8: The Quantum Mechanical Model 8a - Flame testing and Determination of wavelength and frequency	16 Days

Honors Chemistry Unit 9: Periodic Properties of the Elements 9a - Periodic Simulation	18 Days
Honors Chemistry Unit 10: The Lewis Model	16 Days
Honors Chemistry Unit 11: Molecular Shapes. Valence Bond Theory, and MO Theory	17 Days