

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

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