

# Chemistry Lesson Plan

<b>Topic</b>	Structure and Properties of Matter
<b>Lesson Title</b>	Atomic Structure
<b>Lesson Number</b>	1-4
<b>Next Generation Science Standards:</b>	<b>HS-PS1-1.</b> Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.
<b>Learning objectives:</b>	<ul style="list-style-type: none"> <li>Describe the structure of an atom</li> <li>Describe the properties of the three main subatomic particles</li> <li>Determine the relationship between an atom's mass number, its atomic number, and the number of subatomic particles it possesses.</li> </ul>
<b>"I can" statement:</b>	<ul style="list-style-type: none"> <li>I can describe the structure of the atom and use the periodic table to identify the number of each type of subatomic particle it possesses.</li> </ul>
<b>Prior Knowledge:</b>	
<ul style="list-style-type: none"> <li>Basic structure of the atom</li> <li>Chemical notation</li> </ul>	
<b>Vocabulary:</b>	
subatomic particles, nucleus, proton, neutron, electron, orbital atomic number, atomic mass,	
<b>Summary of Activities:</b>	
<ol style="list-style-type: none"> <li>Distribute and complete bell ringer activity.</li> <li>Discuss guided notes and slideshow, with students.</li> <li>Complete the Vocabulary worksheet and/or doodle notes activity,</li> <li>Exit quiz</li> </ol>	
<b>Additional Resources:</b>	
<ul style="list-style-type: none"> <li>Structure of the atom YouTube clip</li> <li>Atomic and mass number YouTube clips</li> </ul>	
<b>Homework:</b>	
Homework task	
<b>Assessment:</b>	
<ul style="list-style-type: none"> <li>Bell work</li> <li>Assignment/Lab project</li> <li>Exit quiz</li> <li>End of unit review</li> </ul>	