

Chemistry Lesson Plan

Topic	Structure and Properties of Matter
Lesson Title	Models of the Atom
Lesson Number	3
Next Generation Science Standards:	HS-PS1-1. 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.
Learning objectives:	<ul style="list-style-type: none"> Describe Dalton and Thomson's models of the atom, linking it to the scientist which made the discovery. Identify the shortcomings of each atomic model and how the subsequent model further developed our understanding.
"I can" statement:	<ul style="list-style-type: none"> I can outline the different models of the atom, their shortcomings and how each model contributed to today's atomic model.
Prior Knowledge:	
<ul style="list-style-type: none"> Basic structure of the atom 	
Vocabulary:	
isotope, neutron, proton, electron, plum pudding model, alpha particle, planetary quantum model, electron cloud model, energy level, photon, quarks, nuclear model	
Summary of Activities:	
<ol style="list-style-type: none"> Distribute and complete bell ringer activity. Discuss guided notes and slideshow, with students. Vocabulary worksheet Exit quiz 	
Additional Resources:	
<ul style="list-style-type: none"> Models of the atom YouTube clip Thomson's plum pudding model YouTube clip 	
Homework:	
Homework task	
Assessment:	
<ul style="list-style-type: none"> Bell work Assignment/Lab project Exit quiz End of unit review 	