

Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
Elements & the Periodic Table	<p>I can:</p> <p>State what an element, atom and compound are</p> <p>State what groups and periods are on the Periodic Table</p> <p>State where metals and non-metals are found in the Periodic Table</p> <p>Know who Mendeleev is and what he did</p>	<p>I can:</p> <p>Represent different substances using particle diagrams</p> <p>Calculate the amount of atoms in a compound</p> <p>Define the terms 'atomic number' and 'mass number'.</p> <p>Define and describe isotopes using the atomic model</p> <p>Describe the properties of metals and non-metals</p>	<p>I can:</p> <p>Describe the structure of a polymer</p> <p>Write simple chemical equations</p> <p>Describe the structure of an atom</p> <p>Draw the atoms of the first 10 elements</p> <p>Describe trends in physical properties</p> <p>Describe what happens when alkali metals react with water</p> <p>Describe properties of the noble gases</p>	<p>I can:</p> <p>Represent polymers using a particle diagram</p> <p>Make polymers out of milk</p> <p>Create a model of a carbon atom</p> <p>Calculate the number of protons, neutrons and electrons in an atom</p> <p>Write the electronic configuration of the first 10 elements</p> <p>Calculate number of protons, neutrons and electrons for different isotopes</p>	<p>I can:</p> <p>Describe the difference between the three types of subatomic particles</p> <p>Explain the relationship between group and period.</p> <p>Explain the similarities and differences in the properties of isotopes</p> <p>Explain why halogens undergo displacement reaction</p> <p>Determine if a substance is a metal or a non-metal experimentally</p>