

Year 8

Subject Title	Science
Setting information	Students are taught within their Tutor groups
Time allowed	6 hours per fortnight
Homework information	30mins per week

Term	Topics	Skills	Assessment
1	<ul style="list-style-type: none"> Forces – contact forces and pressure Organisms – breathing and digestion 	Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Mathematical skills.	Formative assessment on breathing
2	<ul style="list-style-type: none"> Matter – periodic table and elements Electromagnets – electromagnets and magnetism 	Practical and investigation skills. Listening and observing. Scientific reading. Data representation. Mathematical skills.	End of topic test of term 1 and 2
3	<ul style="list-style-type: none"> Reactions – chemical energy and types of reactions Ecosystems respiration and photosynthesis 	Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Scientific writing.	Formative assessment on reactions
4	<ul style="list-style-type: none"> Energy – heating and cooling, energy transfer 	Practical and investigation skills. Data representation.	End of topic test of term 3 and 4

	<ul style="list-style-type: none"> • Genes – evolution and inheritance 	<p>Scientific writing. Mathematical skills.</p>	
5	<ul style="list-style-type: none"> • Waves – Light and light calculations • Earths resources and Climate 	<p>Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Mathematical skills.</p>	<p>Formative assessment on light</p>
6	<ul style="list-style-type: none"> • Recycling project 	<p>Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Mathematical skills.</p>	<p>End of topic test of term 5 and 6</p> <p>Presentation of recycling project</p>
<p>Links to websites and revision materials:</p>		<p>https://www.bbc.co.uk/bitesize/subjects/zng4d2p</p>	