



# Year 8 Curriculum Science



	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Topic	<b>Ecosystems</b>	<b>Periodic Table</b>	<b>People</b>	<b>Waves</b>	<b>Our Planet</b>	<b>Electricity</b>
Key Concepts	<ul style="list-style-type: none"><li>• Parts of the plant</li><li>• Photosynthesis</li><li>• Food chains and webs</li><li>• Ecosystems</li><li>• Plant reproduction</li><li>• Biodiversity and human impact</li></ul>	<ul style="list-style-type: none"><li>• Atoms and elements</li><li>• Metals and non-metals</li><li>• Using the periodic table</li><li>• History of the periodic table</li><li>• Trends in the periodic table</li><li>• Displacement reactions</li><li>• Testing for gases</li></ul>	<ul style="list-style-type: none"><li>• Puberty</li><li>• Reproductive organs</li><li>• Menstrual cycle</li><li>• Fertilisation to birth</li><li>• DNA</li><li>• Inheritance and variation</li><li>• Natural selection</li></ul>	<ul style="list-style-type: none"><li>• Types of waves</li><li>• Properties of waves</li><li>• Sound and the ear</li><li>• Structure of the earth</li><li>• Earthquake waves</li></ul>	<ul style="list-style-type: none"><li>• Solar system</li><li>• Days and seasons</li><li>• Electromagnetic radiation</li><li>• Carbon cycle</li><li>• The atmosphere and global warming</li><li>• The rock cycle</li><li>• Recycling</li><li>• Materials</li></ul>	<ul style="list-style-type: none"><li>• Charge</li><li>• Circuits</li><li>• Current</li><li>• Potential difference</li><li>• Resistance</li><li>• Magnets</li><li>• Electromagnets</li></ul>



# Year 8 Assessment Science



All pupils will sit several knowledge tests and an assessment in Year 8.

	Knowledge Test	Assessment	Revision Resources
	Autumn/Spring Terms	Summer Term	
Style of Assessment	Each knowledge test consists of 10 multiple-choice questions	Multiple-choice, short answer and longer answer questions	<i>Kennet Resources</i> <ul style="list-style-type: none"><li>• Year 8 Knowledge Organisers</li><li>• Learning Habits</li></ul>
Topics Assessed	<ul style="list-style-type: none"><li>• Core knowledge taught until that point in the academic year</li></ul>	<ul style="list-style-type: none"><li>• Ecosystems</li><li>• The Periodic Table</li><li>• People</li><li>• Waves</li></ul>	<i>External Resources</i> <ul style="list-style-type: none"><li>• <a href="http://www.educake.co.uk">www.educake.co.uk</a></li><li>• <a href="http://www.educationquizzes.com">www.educationquizzes.com</a></li><li>• <a href="http://www.bbc.com/bitesize">www.bbc.com/bitesize</a></li><li>• <a href="http://www.youtube.com">www.youtube.com</a></li><li>• <a href="#">Science Revision Bank</a></li></ul>