



Year 8 Curriculum

Science



BIOLOGY		
	Autumn Term	Spring Term
Topic	Ecosystems	People
Key Concepts	<ul style="list-style-type: none">• Parts of the plant• Photosynthesis• Food chains and webs• Ecosystems• Plant reproduction• Biodiversity and human impact	<ul style="list-style-type: none">• Puberty• Reproductive organs• Menstrual cycle• Fertilisation to birth• DNA• Inheritance and variation• Natural selection

CHEMISTRY		
	Autumn Term	Summer Term
Topic	Periodic table	Our planet
Key Concepts	<ul style="list-style-type: none">• Atoms and elements• Metals and non-metals• Using the periodic table• History of the periodic table• Trends in the periodic table• Displacement• Testing for gases	<ul style="list-style-type: none">• Solar system• Days and seasons• Electromagnetic radiation• Carbon cycle• The atmosphere and global warming• The rock cycle• Recycling• Materials



Year 8 Curriculum *(continued)*

Science



Topic	PHYSICS	
	Spring Term	Summer Term
	Waves	Electricity
Key Concepts	<ul style="list-style-type: none">• Types of waves• Properties of waves• Sound and the ear• Structure of the earth• Earthquake waves	<ul style="list-style-type: none">• Charge• Circuits• Current• Potential difference• Resistance• Magnets• Electromagnets




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">• Year 8 Knowledge Organisers• Learning Habits• SRB <i>External Resources</i> <ul style="list-style-type: none">• www.educake.co.uk• www.educationquizzes.com• www.bbc.com/bitesize• www.youtube.com <p>You can also find revision material on Frog</p> 
Topics Assessed	<ul style="list-style-type: none">• Core knowledge taught until that point in the academic year	<ul style="list-style-type: none">• Ecosystems• The Periodic Table• People• Waves	