



KS3 Curriculum Plan Science Department

Students in Key Stage 3 follow The Oxford University Press 'AQA Activate' Science Scheme of work. This links directly to the 2013 National Curriculum Science Programme of Study written by the Department for Education. Key Stage 3 course supports delivery of the knowledge and skills required to access the current Key Stage 4 curriculum and that of the new specifications.

Year 7		
	Module	Topic
Autumn Term	Safety in the lab	
	Forces	<ul style="list-style-type: none"> • Speed • Gravity
	Electromagnets	<ul style="list-style-type: none"> • Potential difference and resistance • Current
	Energy	<ul style="list-style-type: none"> • Costs • Energy transfers
	Waves	<ul style="list-style-type: none"> • Sound • Light
Spring Term	Matter	<ul style="list-style-type: none"> • Particle model • Separating mixtures
	Reactions	<ul style="list-style-type: none"> • Acids and alkalis • Metals & non-metals
Summer Term	Earth	<ul style="list-style-type: none"> • Earth's structure • The Universe
	Organism	<ul style="list-style-type: none"> • Movement • Cells
	Ecosystems	<ul style="list-style-type: none"> • Interdependence • Plant reproduction
	Genes	<ul style="list-style-type: none"> • Variation • Human reproduction



All topics are assessed through progress tasks and end of topic tests. Students in Year 7 also have a formal 'End of Year 7' test which, along with data from throughout the year, will inform our decision about sets in Year 8.

Year 8		
	Module	Topic
Autumn Term	Forces	<ul style="list-style-type: none">• Contact forces• Pressure
	Electromagnets	<ul style="list-style-type: none">• Magnetism• Electromagnets
	Energy	<ul style="list-style-type: none">• Work• Heating and Cooling
	Waves	<ul style="list-style-type: none">• Wave effects• Wave properties
	Matter	<ul style="list-style-type: none">• Elements• The periodic table
Spring Term	Reactions	<ul style="list-style-type: none">• Types of reaction• Chemical energy
	Earth	<ul style="list-style-type: none">• Climate• Earth resources
	Organism	<ul style="list-style-type: none">• Breathing• Digestion
Summer Term	Ecosystems	<ul style="list-style-type: none">• Respiration• Photosynthesis
	Genes	<ul style="list-style-type: none">• Evolution• Inheritance

All topics are assessed through progress tasks and end of topic tests. Students in Year 8 also have a formal 'End of Year 8' test and an 'End of KS3' exam which, along with data from throughout the year, will inform our decision about sets in Year 9.