

# Science Curriculum Map - Year 11

Term	Units of Study	Curriculum Guidelines	AQA- Assessment objectives
<p style="text-align: center;"><b>Autumn 2</b> Unit 2 My Family and home</p>	<p style="text-align: center;"><b>Theme 1:</b> 3.4.1.1 Control of body systems 3.4.1.2 Chemistry in action in the body 3.4.1.3 Human inheritance and genetic disorders</p> <p style="text-align: center;"><b>Theme 2:</b> 3.4.2.1 Materials used to construct our homes 3.4.2.2 Fuels for cooking, heating and transport 3.4.2.3 Generation and distribution of electricity</p> <p style="text-align: center;"><b>Theme 3:</b> 3.4.3.1 The cost of running appliances in the home 3.4.3.2 Electromagnetic waves in the home</p>	<ul style="list-style-type: none"> <li>• To develop their ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions</li> <li>• To develop their skills in communication, mathematics and the use of technology in scientific contexts.</li> </ul>	<p>Unit 1: AO1 Recall, select and communicate their knowledge and understanding of science. AO2 Apply skills, knowledge and understanding of science in practical and other contexts. AO3 Analyse and evaluate evidence, make reasoned judgements and draw conclusions based on evidence.</p>
<p style="text-align: center;"><b>Spring 1</b> Unit 4 Controlled Assessment Unit 3 Making My world a better place Theme 1: Improving health and wellbeing Theme 2: Making and improving products Theme 3: Improving our environment</p>	<p style="text-align: center;"><b>Unit 3</b> <b>Theme 1:</b> 3.5.1.1 The use (and misuse) of drugs 3.5.1.2 The use of vaccines 3.5.1.3 The use of ionising radiation in medicine</p> <p style="text-align: center;"><b>Theme 2:</b> 3.5.2.1 Uses of electroplating 3.5.2.2 Developing new products 3.5.2.3 Selective breeding and genetic engineering</p>	<ul style="list-style-type: none"> <li>• To develop and apply their observational, practical, enquiry and problem-solving skills and understanding in laboratory, field and other learning environments</li> <li>• To develop their knowledge and understanding of the material, physical and living worlds</li> </ul>	<p>Unit 4: AO2 Apply skills, knowledge and understanding of science in practical and other contexts. AO3 Analyse and evaluate evidence, make reasoned judgements and draw conclusions based on evidence.</p>

	<p><b>Theme 3:</b>  3.5.3.1 Environmental concerns when making and using products  3.5.3.2 Saving energy in the home  3.5.3.3 Controlling pollution in the home</p> <p><b>Unit 4:</b>  <b>3.6.2</b> Plan an investigation  <b>3.6.3</b> Assess and manage risks when carrying out practical work  <b>3.6.4</b> Collect primary and secondary data  <b>3.6.5</b> Select and process primary and secondary data  <b>3.6.6</b> Analyse and interpret primary and secondary data</p>		
<p>Spring 2  Unit 3 Making my world a better place  Revision and exam prep</p>	<p>(see above)</p>		