

Science Curriculum Map - Year 10

Term	Units of Study	Curriculum Guidelines	AQA- Assessment objectives
Autumn 1 Unit 1 My World	Theme 1: 3.3.1.1 Our changing universe 3.3.1.2 Our changing planet 3.3.1.3 Materials our planet provides 3.3.1.4 Using materials from our planet to make products	<ul style="list-style-type: none"> To develop an understanding of the importance of scale in science To develop their awareness of risk and the ability to assess potential risk in the context of potential benefits To develop and apply their knowledge and understanding of the scientific process through hypotheses, theories and concepts 	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.
Autumn 2 Unit 1 My World	Theme 2: 3.3.2.1 Life on our planet 3.3.2.2 Biomass and energy flow through the biosphere 3.3.2.3 The importance of carbon	<ul style="list-style-type: none"> To develop their understanding of the nature of science and its applications and the interrelationships between science and society 	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.
Spring 1 Unit 2 My Family and home	Theme 1:	<ul style="list-style-type: none"> To develop their ability to evaluate claims based on science 	Unit 1: AO1 Recall, select and communicate their knowledge and understanding of science.

	<p>3.4.1.1 Control of body systems</p> <p>3.4.1.2 Chemistry in action in the body</p>	<p>through critical analysis of the methodology, evidence and conclusions</p>	<p>AO2 Apply skills, knowledge and understanding of science in practical and other contexts.</p> <p>AO3 Analyse and evaluate evidence, make reasoned judgements and draw conclusions based on evidence.</p>
<p>Spring 2 Unit 2 My Family and home</p>	<p>3.4.1.3 Human inheritance and genetic disorders</p>	<ul style="list-style-type: none"> • To develop their understanding of the relationships between hypotheses, evidence, theories and explanations • To develop their awareness of risk and the ability to assess potential risk in the context of potential benefits 	<p>Unit 1: AO1 Recall, select and communicate their knowledge and understanding of science.</p> <p>AO2 Apply skills, knowledge and understanding of science in practical and other contexts.</p> <p>AO3 Analyse and evaluate evidence, make reasoned judgements and draw conclusions based on evidence.</p>
<p>Summer 1 Unit 2 My family and home</p>	<p>Theme 2:</p> <p>3.4.2.1 Materials used to construct our homes :</p> <p>3.4.2.2 Fuels for cooking, heating and transport</p> <p>3.4.2.3 Generation and distribution of electricity</p>	<ul style="list-style-type: none"> • To develop their awareness of risk and the ability to assess potential risk in the context of potential benefits 	<p>Unit 1: AO1 Recall, select and communicate their knowledge and understanding of science.</p> <p>AO2 Apply skills, knowledge and understanding of science in practical and other contexts.</p> <p>AO3 Analyse and evaluate evidence, make reasoned judgements and draw conclusions based on</p>

			evidence.
<p>Summer 2 Unit 2 My family and home</p>	<p>Theme 3:</p> <p>3.4.3.1 The cost of running appliances in the home</p> <p>3.4.3.2 Electromagnetic waves in the home</p>	<ul style="list-style-type: none"> To develop their skills in communication, mathematics and the use of technology in scientific contexts. 	<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>