

Science Curriculum Map – Year 11

Aim – Year 11 pupils are completing the AQA GCSE single science in biology.

The course gives students the opportunity to study living things in a range of topics from microscopic organisms to whole ecosystems and the environments that they live. They will acquire important scientific skills in required practical and scientific knowledge to enable them to take the 2 biology GCSE external examinations at the end of KS4

Term 1		Term 2		Term 3	
Learning Cycle 1	Learning Cycle 2	Learning Cycle 3	Learning Cycle 4	Learning Cycle 5	Learning Cycle 6
Assessment based on end of unit tests on past exam questions	Assessment based on end of unit tests on past exam questions	Assessment based on end of unit tests on past exam questions and revision books	Assessment based on end of unit tests on past exam questions and revision books	Assessment based on end of unit tests on past exam questions	2 external GCSE examinations set by AQA
<p>Intent Genetics and evolution Pupils will learn how information in the genetic code controls Cells living organisms and evolution.</p> <p>Implementation In reproduction they will learn how genes are passed from parents of offspring. In variation and evolution pupils study the way differences in individuals cause variation and influence survival. In genetics and evolution pupils will understand the study of genetics has influenced our understanding of evolution</p> <p>Impact The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p>Intent Ecology Ecology is the study of organisms and their relationship in the environment.</p> <p>Implementation Adaptations interdependence and competition. Pupils learn how living things interact in communities. Organising and ecosystem will teach students the relationships of living organisms in topic levels in food chains In biodiversity as a measure of the variety of different species.</p> <p>Impact The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p>Intent Pupils will review and fill in the gaps for the units in cells and organisation.</p> <p>Implementation Using revision material and reviewing the required practical skills pupils will revise the units in Cells and organisation.</p> <p>Impact The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p>Intent Pupils will review and fill in the gaps for the units in disease and bioenergetics.</p> <p>Implementation Using revision material and reviewing the required practical skills pupils will revise the units in disease and bioenergetics.</p> <p>Impact The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p>Intent Pupils will review and fill in the gaps for the units in biological responses.</p> <p>Implementation Using revision material and reviewing the required practical skills pupils will revise the unit biological responses.</p> <p>Impact The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	