

**SPRS – Academic Year 2021- 2022**

**Curriculum Map – Subject: Science**

**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 practicals and scientific knowledge to enable them to take the 2 biology GCSE external examinations a the end of KS4

Term 1		Term 2		Term 3	
Learning Cycle 1 7 <sup>th</sup> Sept 2021 – 22 <sup>nd</sup> Oct 2021 7 Weeks	Learning Cycle 2 1 <sup>st</sup> Nov 2021 – 17 <sup>th</sup> Dec 2021 7 Weeks	Learning Cycle 3 5 <sup>th</sup> Jan 2022 – 18 <sup>th</sup> Feb 2022 7 Weeks	Learning Cycle 4 28 <sup>th</sup> Feb 2022 – 8 <sup>th</sup> Apr 2022 6 Weeks	Learning Cycle 5 25 <sup>th</sup> Apr 2022 – 27 <sup>th</sup> May 2022 5 Weeks	Learning Cycle 6 6 <sup>th</sup> June 2022-25 <sup>th</sup> July 2022 7 Weeks
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><b>Intent</b> Genetics and evolution Pupils will learn how information in the genetic code controls Cells living organisms and evolution.</p> <p><b>Implementation</b> 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><b>Impact</b> The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p><b>Intent</b> Ecology Ecology id the study of organisms and their relationship in the environment.</p> <p><b>Implementation</b> 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><b>Impact</b> The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p><b>Intent</b> Pupils will review and fill in the gaps for the units in cells and organisation.</p> <p><b>Implementation</b> Using revision material and reviewing the required practical skills pupils will revise the unite in Cells and organisation.</p> <p><b>Impact</b> The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p><b>Intent</b> Pupils will review and fill in the gaps for the units in disease and bioenergetics.</p> <p><b>Implementation</b> Using revision material and reviewing the required practical skills pupils will revise the unite in disease and bioenergetics.</p> <p><b>Impact</b> The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p><b>Intent</b> Pupils will review and fill in the gaps for the units in biological responses.</p> <p><b>Implementation</b> Using revision material and reviewing the required practical skills pupils will revise the unit biological responses.</p> <p><b>Impact</b> The units are part of the specification leading to the AQA Biology GCSE single award in science.</p>	<p>. Revision and examination</p>

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