

**SPRS – Academic Year 2024-2025**

**Curriculum Map – Subject: Science**

**Aim** – Year 11 pupils are completing the GCSE and also complete the AQA Entry Level course at the same time. The course gives students the opportunity to study living things in a range of topics from They will acquire important scientific skills in required practical experiments and scientific knowledge to enable them to confidently sit the examinations at the end of KS4 and as well as pass the ELC course in blended units.

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 ELC tests	Assessment based on end of unit tests on past exam questions ELC tests	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	GCSE Examinations
<p><b>Intent</b></p> <p><b>B5 Ecology</b> Review organisms and their relationships with the living world from Year 10. Learn how life on earth depends on photosynthesis, feeding relationships and materials cycles. The human impact on the Earth</p> <p><b>Implementation</b> Pupils will know the theory of natural selection. The materials plants need. Factors that affect the growth of bacteria. Human population growth</p> <p><b>Impact</b> The units are part of the specification leading to the GCSE</p>	<p><b>Intent</b></p> <p>B1 Cells and B2 organisms. Pupils will be able to understand that living all things are made of cells and how cells work.</p> <p><b>Implementation</b> Pupils will look at cells under the microscope and study the different parts of plant and animal cells. They will study the functions of the different parts.</p> <p><b>Impact</b> Pupils can explain what cells are and how the different parts function.</p>	<p><b>Intent</b></p> <p>B3 Disease. B4 Bioenergetics Pupils will be able to describe and explain the different types of disease and how the human body fights disease. Pupils will be able to explain the chemical reactions of life, photosynthesis, respiration and the metabolism.</p> <p><b>Implementation</b> Pupils will study the difference between communicable and non-communicable disease. How pathogens or health life style choices could affect disease and how diseases are prevented. Pupils will learn about photosynthesis in plants and respiration in humans and the reactions required for life in the metabolism</p> <p><b>Impact</b> Pupils can explain the different types of disease and the prevention of the spread of disease. they can explain the chemical reactions of life</p>	<p><b>Intent</b></p> <p><b>Revision</b></p> <p>Pupils will revise using revision books, classwork books, note and past exam questions – to prepare for the final examinations units B1 B2</p> <p><b>Implementation</b></p> <p>Pupils will complete past exam paper questions in each unit using the revision guides, own work and revision questions books in lesson to prepare for exams and revise each unit</p> <p><b>Impact</b></p> <p>The revision units are part of the specification leading to the GCSE</p>	<p><b>Intent</b></p> <p><b>Revision</b></p> <p>Pupils will revise using revision books, classwork books, note and past exam questions – to prepare for the final examinations units B3 B4</p> <p><b>Implementation</b></p> <p>Pupils will complete past exam paper questions in each unit using the revision guides, own work and revision questions books in lesson to prepare for exams and revise each unit</p> <p><b>Impact</b></p> <p>The revision units are part of the specification leading to the GCSE</p>	<p><b>Revision and examination</b></p>