

**SPRS – Academic Year 2023-2024**

**Curriculum Map – Subject: Science**

**Aim – Year 11 pupils are completing the iGCSE single 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 practicals and scientific knowledge to enable them to take the 3 iGCSE external examinations at the end of KS4 and 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<br>ELC tests  | Assessment based on end of unit tests on past exam questions<br>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  | iGCSE Examinations                     |
| <p><b>Intent</b><br/>In C3 Physical Chemistry how engineers understand energy changes and chemical processes to improve our lives<br/>C4 organic chemistry – and how there are millions of organic compounds made of oxygen hydrogen and carbon</p> <p><b>Implementation</b><br/>In Physical chemistry the pupils will learn about heat capacity of materials, rates of reactions. In organic chemistry the pupils will learn how the elements hydrogen oxygen and carbon join together to made different organic chemicals</p> <p><b>Impact</b><br/>The units are part of the specification leading to the IGCSE Science single award in science and AQA entry level science.</p> | <p><b>Intent</b><br/>P4 Energy resources learning about energy stores and resources<br/>P5 Learning about matter, solids liquids and gases.</p> <p><b>Implementation</b><br/>P4 learning the different types of energy and how energy is transferred not destroyed.<br/>P5 how particles affect pressure in liquids and gases.</p> <p><b>Impact</b><br/>The units are part of the specification leading to the IGCSE Science single award in science and AQA entry level science.</p> | <p><b>Intent</b><br/>P 6 magnetism and electromagnetism and how they are linked<br/>P7 Radiation and particles – that there are subatomic particles and their use and dangers.<br/>P8 astrophysics – the earth in space</p> <p><b>Implementation</b><br/>learning about bar magnets, electromagnets and the uses of each.<br/>Linking magnetism to its uses and how we can use electricity to make a magnetic field.<br/>Radiation and particles – that there are subatomic particles electrons neutrons and protons inside atoms and 3 types of radiation.<br/>astrophysics – the earth in space and the universe, how gravity works to produce the stars and galaxy's</p> <p><b>Impact</b><br/>The units are part of the specification leading to the IGCSE Science single award in science and AQA entry level science.</p> | <p><b>Intent Revision</b><br/>Pupils will revise using revision books, classwork books, note and past exam questions – to prepare for the final examinations<br/>units B1 B2 C1 C2 P 1 P2</p> <p><b>Implementation</b><br/>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><br/>The revision units are part of the specification leading to the IGCSE Science single award in science and AQA entry level science.</p> | <p><b>Intent Revision</b><br/>Pupils will revise using revision books, classwork books, note and past exam questions – to prepare for the final examinations<br/>units B3 B4 C1 C4 P4 P5<br/><b>P6 P67 P8</b></p> <p><b>Implementation</b><br/>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><br/>The revision units are part of the specification leading to the IGCSE Science single award in science and AQA entry level science.</p> | <p><b>Revision and examination</b></p> |

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