

Science Curriculum Map – Year 10

Aim – Year 10 pupils are starting the iGCSE single science qualification

The course gives students the opportunity to experience science within the context of their general education. The students will acquire knowledge and understanding of scientific facts, terminology, concepts, principles and practical techniques. It provides a solid understanding and appreciation of science that supports further Level 1/2 study or employment opportunities.

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	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
<p>Intent Pupils will study units B1 nature of living things and B2 structures and functions of living organisms.</p> <p>Implementation Pupils will understand the characteristics shared by living organisms. Pupils will be able to describe levels of organisation in living organisms. Pupils will understand cell structure of living things.</p> <p>Impact The units are part of the specification leading to the Edexcel international GCSE single award in science.</p>	<p>Intent Pupils will study units C1 Principles of chemistry and P1 Forces and motion.</p> <p>Implementation Pupils will understand the three states of matter and how particles change in arrangement between the states of matter. Pupils will be able to make predictions about the way objects move and behave.</p> <p>Impact The units are part of the specification leading to the Edexcel international GCSE single award in science.</p>	<p>Intent Pupils will study units B3 reproduction and inheritance C2 inorganic chemistry.</p> <p>Implementation Pupils will understand how different living things reproduce and how inheritance is caused by genetics</p> <p>Impact The units are part of the specification leading to the Edexcel international GCSE single award in science.</p>	<p>Intent Pupils will study units P2 electricity, C3 physical chemistry.</p> <p>Implementation Pupils will have knowledge of how we use electricity in our lives, how chemical reactions produce energy</p> <p>Impact The units are part of the specification leading to the Edexcel international GCSE single award in science.</p>	<p>Intent Pupils will study units P3 Waves and C4 Organic chemistry</p> <p>Implementation Pupils will have knowledge of how waves transfer energy and how organic chemistry affects our lives</p> <p>Impact The units are part of the specification leading to the Edexcel international GCSE single award in science.</p>	<p>Intent Pupils will study units B4 Ecology and the environment P4 energy</p> <p>Implementation Pupils will have knowledge of the makeup of ecosystems and factors affecting the organisms in the ecosystem. They will learn that whenever anything happens there is a transfer of energy from one form to another.</p> <p>Impact The units are part of the specification leading to the Edexcel international GCSE single award in science.</p>