



Unit Provision 4C: Science
Curriculum Learning Journey 2022 – 2023

<p>Term 1</p>	<p>The digestive system</p>	<ul style="list-style-type: none"> - Understand the role of the mouth, oesophagus, liver, pancreas, small intestine, large intestine, rectum and anus in digestion - Know the location of the different components of the digestive system - Explore the role enzymes have within digestion - Know the name and where the different enzymes are produced and what foods they breakdown - Journey food takes through the digestive system - Investigate and observe the effects Amylase enzyme has on starch and food - Know how to prevent tooth decay - Name and know the position of the different types of teeth - Know the structure of teeth including the vertical section structure - Create a diagram on how to correctly brush teeth
<p>Term 2</p>	<p>Space and our world</p>	<ul style="list-style-type: none"> - Learn about what makes up our solar system including the planets, natural and man-made satellites - The different planets and moons within our solar system - Know the order of the planets within the solar system - Know facts about the planets within the solar system - What causes night and day on Earth - Explore how the Earth's axis affects the seasons - The importance of the Sun for our planet - How Earth rotates around the Sun and its affects - Explore the Earths moon and how it changes and effects the Earth - Create an information poster on our solar system
<p>Term 3</p>	<p>Forensic science</p>	<ul style="list-style-type: none"> - Take a plaster cast - Detect and preserve fingerprints - Explore fingerprints, how they are formed and used in investigations - Carry out a chromatography investigation - Identify the different types of crime - Investigate the different forensic methods used and the evidence they obtain - Use UV torch's - Sketch a crime scene - Participate in a murder mystery
<p>Term 4</p>	<p>Classification and adaptation</p>	<ul style="list-style-type: none"> - Identify vertebrates and invertebrates - Know the main characteristics of different animal groups - Identify and explain different animal habitats - Explore adaptations in different organisms - Explain how adaptations allow organisms to live in different environments



		<ul style="list-style-type: none"> - Explore different extreme environments - Know the seven life processes - Classify things as living or non-living
Term 5	Electricity	<ul style="list-style-type: none"> - Identify appliances that use electricity or battery power to run - Know the dangers of electricity - Imagine life without electricity - Name and identify different electrical symbols - Explore and identify materials that a conduction to electricity - Construct electrical circuits including different components - Explore how electricity flows through a circuit
Term 6	Materials	<ul style="list-style-type: none"> - Name different everyday materials - Explore the properties of different materials - Know the difference between an object and a material - Know the properties of different materials - Identify and explain the uses of different materials - Experiment with different materials to find out the best for a particular purpose

Big Ideas:

AQA – the digestive system – 116136 and Structure and care of teeth – LE8204
 AQA – Earth and Space – 113529 - 113530
 AQA – Forensic science – 115693
 AQA – Classification and Adaptation – 117428
 AQA – Exploring Electricity – 112014
 AQA – Exploring everyday material and their properties - 111780

AQA Unit Award Scheme

Individual Need:

Students will access varying amounts of the big ideas content dependent on individual need.