

Year Group 3

Long Term Science Overview

Period Taught (Half term/number of weeks etc.)	Unit/Topic To Be Taught	Key Areas Covered within Unit/Topic Main Objectives
13 weeks	Rocks and Soils	<ul style="list-style-type: none"> <li>• Compare and group rocks</li> <li>• Properties of rocks and soil</li> <li>• How soil is formed (from rocks)</li> <li>• Permeability of soils</li> <li>• How fossils are formed</li> </ul>
6 weeks	Light	<ul style="list-style-type: none"> <li>• Light and dark/dark is the absence of light</li> <li>• How shadows are formed by light blockage. Opaque/translucent/transparent</li> <li>• Light reflecting from surfaces</li> <li>• Dangers of sunlight</li> <li>• Investigating ways of changing shadow sizes</li> </ul>
6 weeks	Forces and magnets	<ul style="list-style-type: none"> <li>• Different types of forces. Push/pull</li> <li>• Investigating how things move of different surfaces. Friction/contact between two objects</li> <li>• Magnets having two poles, will they attract or repel each other?</li> <li>• Testing materials, are they magnetic or not?</li> </ul>
6 weeks	Plants	<ul style="list-style-type: none"> <li>• Identify and describe functions of a flowering plant</li> <li>• Requirements that plants need to grow</li> <li>• How water is transported within plants</li> <li>• Lifecycle of a flowering plant including pollination, seed formation, seed dispersal</li> </ul>
6 weeks	Humans including animals	<ul style="list-style-type: none"> <li>• Identify that animals/humans need the right type of nutrition</li> <li>• Understand that animals/humans get nutrients from different food groups</li> <li>• Identify different muscles/bones and their role within the body</li> </ul>

