

## Key Stage 2 Science

In Key Stage 2, we recognise the importance of Science in every aspect of daily life. As one of the core subjects taught in Primary Schools, we give the teaching and learning of Science the prominence it requires. We encourage our pupils' natural curiosity of the world and teach the knowledge and enquiry skills to develop their understanding of the world.

The scheme of work we deliver in key stage 2 is well-sequenced, practical, creative and engaging. It incorporates planned opportunities to carry out the different types of scientific investigation required by the National Curriculum programmes of study.

The key stage 2 curriculum prepares pupils for the next key stage, giving them the skills they need to make good progress.

Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>KS2</b>	Living things and their habitats  Describe the differences in the life cycles of a mammal,	Animals Including Humans  Describe the changes as humans	Properties and Changes of Materials  Compare and group together everyday	Earth and Space  Describe movement of the earth and other planets.	Forces  Light  Gravity Air resistance Water resistance	Evolution and Inheritance  Recognise that living things have changed over time.

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	<p>an amphibian, an insect and a bird.</p> <p>Describe the life processes of reproduction in some plants and animals</p> <p>Classify plants and animals.</p>	<p>develop to old age.</p> <p>Drawing timelines</p> <p>Researching gestation periods</p> <p>Identify and name parts of the human circulatory system.</p> <p>Recognise the impact of diet and exercise on a healthy lifestyle</p> <p>Transportation of nutrients and water</p>	<p>materials on the basis of their properties.</p> <p>Describe how to recover a substance from a solution.</p> <p>Separating mixtures</p> <p>Reversible and irreversible changes</p>	<p>Describe the movement of the moon relative to the earth.</p> <p>Describe the sun, earth and moon as spherical bodies.</p> <p>Explain the rotation of the earth.</p> <p>Day and night.</p>	<p>Friction</p> <p>Recognise mechanisms including levers, pulleys and gears.</p> <p>Experiments</p> <p>Fair tests</p> <p>Reliable tests</p> <p>Recognise light travels in straight lines</p> <p>Shadows</p> <p>reflection</p>	<p>Fossils</p> <p>Offspring</p> <p>Identify how animals and plants adapt to their environment</p>
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