Science Curriculum Overview

2025-2026

PSQM Primary Science Quality Mark
PSQM Gilt
Valid 2025 – 2028

<table>
<tr><th>Year</th><th>Autumn Term</th><th>Spring Term</th><th>Summer Term</th></tr>
<tr><td>Reception</td><td colspan="3">
Children in EYFS work based on the Early Years Framework.

Focus Characteristics of Effective Teaching and Learning:
- Playing and exploring
- Active learning
- Creating and thinking critically

Children in EYFS focus on discovery and their curiosity about the world looking to understand everything around them.

We:
- Provide freedom to explore, investigate and experiment with their senses.
- Cultivate children's curiosity about how and why things work and how things change.
- Encourage questioning, testing out of ideas and drawing conclusions.
- Foster children's excitement and pleasure in the awe and wonder of natural phenomena

Of the 7 areas in the EYFS, the most relevant for our science teaching are; Understanding the World, Communication & Language and Personal, Social & Emotional Development.

An outline of topics and skills is shown here.
<table>
<tr><th>Living Things</th><th>Changes</th><th>Materials</th></tr>
<tr><td>I know….
• Internal and external body parts in humans
• The names of the different parts of plants and animals
• The features of plants and animals
• Living things can be sorted into different groups
• What living things need to survive
• How to keep healthy
• About life cycles</td><td>I know….
• Changes can be reversible and irreversible
• The relationship between cause and effect
• The characteristics of the four seasons
• The characteristics of different weather types</td><td>I know….
• What objects are made from
• The properties of different materials
•How different materials can be used
• Materials can be sorted into different groups</td></tr>
<tr><td colspan="3">Skills
I am learning to…
Explore • Investigate • Observe • Compare • Describe • Ask questions • Communicate ideas • Pose challenges • Solve problems • Try things out • Test ideas • Make predictions • Record • Draw conclusions • Sort and classify • Measure</td></tr>
</table>
We also offer continuous provision for Science in EYFS allowing the children access to many resources daily. These include areas of the classroom (outside mud kitchen, workshop/creative area, investigation station, EYFS garden). Furthermore, we offer enhanced provision where we encourage more specific science based, child led exploration with more selective resources.
</td></tr>
</table>

Year 1	Topic: becoming a scientist (transitional unit from EYFS to Year 1) Topic: uses of everyday materials	Topic: seasonal changes Topic: plants	Topic: different types of animals and living things Topic: we are scientists
Year 2	Topic: Uses of everyday materials Topic: Earth and space	Topic: animals, including humans Topic: living things and their habitats	Topic: plants Topic: we are scientists
Year 3	Topic: Forces and Magnets Topic: animals, including humans	Topic: light Topic: rocks	Topic: plants Topic: we are scientists
Year 4	Topic: animals, including humans Topic: living things and their habitats	Topic: sound Topic: electricity	Topic: states of matter Topic: we are scientists
Year 5	Topic: properties and changes of materials Topic: forces	Topic: Earth and space Topic: animals, including humans	Topic: living things and their habitats Topic: we are scientists
Year 6	Topic: animals, including humans Topic: electricity	Topic: living things and their habitats Topic: evolution and inheritance	Topic: light Topic: we are scientists