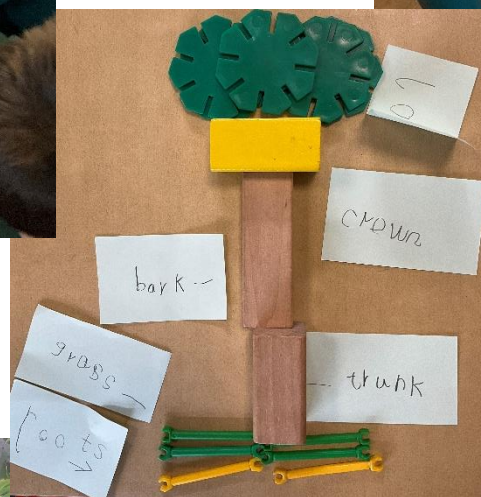
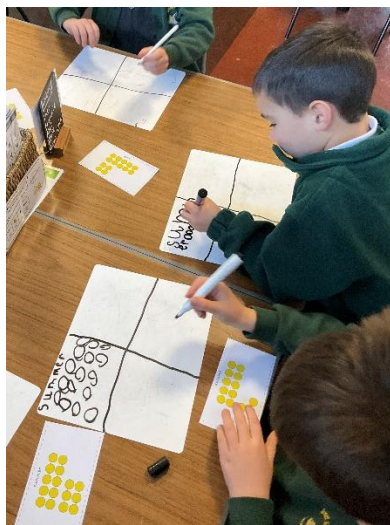


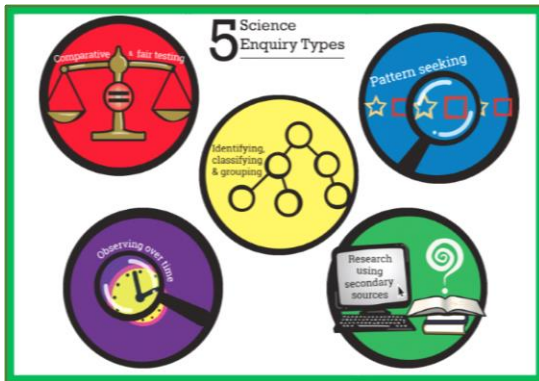
Science

at



Our curriculum and approach

In Year 1 & 2, our children engage in science lessons for an hour each week. They have the opportunity to observe changes over time, notice patterns, group and classify objects and carry out simple comparative tests. We use 'Kapow' Scheme of Work to enhance our teaching and learning of science, adapting activities to suit our children and how they learn.



It's all to do with the 'Big Ideas' and finding out about the wider world.

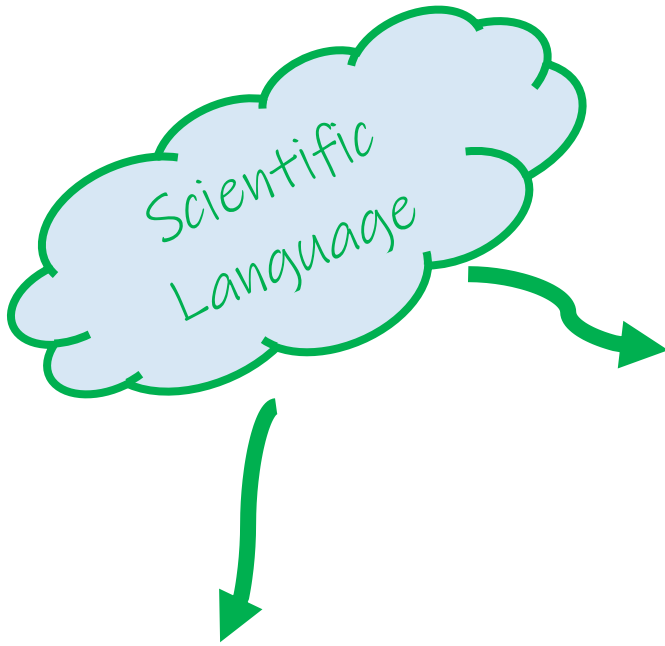
Science in our Early Years



Science in our Nursery & Reception classes is covered in the 'Understanding the World' area of the EYFS Curriculum.



It is introduced indirectly through engaging, practical activities that encourage every child to explore, predict, think, make decisions and talk about the world around them.



Our children are encouraged to develop their scientific language, observing, discussing and explaining through first-hand practical discoveries. Through Quality First Teaching, we ensure all children are engaged and involved in scientific learning and discovery.

Our pupils use 'Knowledge Organisers' to support their learning of key facts and vocabulary. They are encouraged to look back at their prior learning to consolidate what they have found out.



<p>A microhabitat is a small area with different conditions to the surrounding area.</p>	<p>Scientists use super science skills to find answers to questions.</p> <p>Super science skills</p> <table border="1"> <tr> <td>Researching</td> <td></td> </tr> <tr> <td>Observing over time</td> <td></td> </tr> <tr> <td>Comparative and fair testing</td> <td></td> </tr> <tr> <td>Grouping</td> <td></td> </tr> <tr> <td>Spotting patterns</td> <td></td> </tr> </table>	Researching		Observing over time		Comparative and fair testing		Grouping		Spotting patterns	
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Spotting patterns											
<p>Minibeasts are small creatures without a backbone.</p> <p>Minibeasts live in microhabitats that provide them with food and shelter.</p>											



MEMORY FLASHPOINTS...

These are key facts that our children have learnt in science throughout their time at our school. Discussing this learning at regular intervals helps them to store it in their long term memory...

<p>Materials</p>	<p>Materials have different properties</p> <table border="1"> <tr> <td>hard</td> <td>bendy</td> <td>heavy</td> </tr> <tr> <td>soft</td> <td>rough</td> <td>light</td> </tr> <tr> <td>stretchy</td> <td>fluffy</td> <td>shiny</td> </tr> <tr> <td>stiff</td> <td>cold</td> <td>strong</td> </tr> <tr> <td>smooth</td> <td>sharp</td> <td>fuzzy</td> </tr> </table> <table border="1"> <tr> <td></td> <td>waterproof</td> <td>Stops water getting through.</td> </tr> <tr> <td></td> <td>absorbent</td> <td>Soaks up and holds on to water.</td> </tr> <tr> <td></td> <td>transparent</td> <td>See-through.</td> </tr> </table>	hard	bendy	heavy	soft	rough	light	stretchy	fluffy	shiny	stiff	cold	strong	smooth	sharp	fuzzy		waterproof	Stops water getting through.		absorbent	Soaks up and holds on to water.		transparent	See-through.
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**National
Science Week**

**Practical
discovery and
taking learning
outdoors**

**Fun
experiments**

*Celebrating
Science at
our school*

**Special
Visitors**

**STEM activities
and competitions**

**Scientist of the
Week award**

*What do our
children think
about Science?*

"Science is interesting and
really fun"

"You can
make things in
Science."

"I do Science at
home with my lego."

"We find out answers to super
tricky questions!"

"It's about people and their
environment."

"I like nature and
exploring."

"It doesn't matter if it doesn't go to plan. There's no
right or wrong when you're finding things out."

"I just love to learn
about Science!"

"It's about
experimenting."

"We find out about what it's
like for real Scientists."