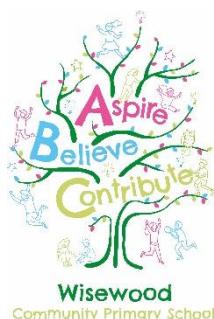


Wisewood Community Primary
School

Aspire, Believe, Contribute

Science



Intent, Implementation and Impact
Statement

Science Curriculum Intent

At Wisewood Primary school we believe that our students deserve a broad and ambitious Science Curriculum, rich in skills, knowledge and investigation. At Wisewood, we encourage all children to believe in their ability to ask questions, formulate predictions and follow their line of enquiry. We allow children to contribute to the wider world through carefully planned sequences of learning that develop a curious mind. Our children are given the foundation in science to aspire to become critical thinkers, methodical practitioners and scientists of the future.

The 2014 national curriculum for science aims to ensure that all pupils:

- ✓ develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
 - ✓ develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
 - ✓ are equipped with the scientific skills required to understand the uses and implications of science, today and for the future. We understand that it is important for lessons to have a skills-based focus wherever possible, and that the knowledge can be taught through this
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- ✓ It is our intention that all children will be able to ask questions pertinent to the learning experience
 - ✓ It is our intention that all children will be able to identify and explain patterns and themes, changes over time, similarities and difference and how scientific ideas develop over time
 - ✓ It is our intention that all children will classify, group and explain patterns using given or self-developed criteria
 - ✓ It is our intention that all children will observe, predict and communicate their hypothesis
 - ✓ It is our intention that all children plan, test and ensure the fairness of their investigation
 - ✓ It is our intention that all children will collect and analyse data to record their findings, draw conclusions, report their results and suggest further investigations

Implementation

<u>Physical</u>	<u>Biological</u>	<u>Chemical</u>
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	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
FS2	Linked to Marvellous Me *Development Matters		Linked to We're going on a Bear Hunt *Development Matters		Linked to Watch Me Grow *Development Matters	
	Seasonal Changes and the Weather					
Y1	Animals Inc Humans		Plants		Everyday Materials	Consolidation of Learning
	Seasonal Changes					
Y2	Everyday Materials	Animals Inc Humans	Living things and their Habitats	Plants		Consolidation of Learning
Y3	Light	Forces and Magnets	Rocks	Plants	Animals Inc Humans	Consolidation of Learning
Y4	Electricity	Sound	States of Matter	Living things and their Habitats	Animals Inc Humans	Consolidation of Learning
Y5	Forces	Properties and Changes of Materials	Living things and their Habitats	Animals Inc Humans	Earth and Space	Consolidation of Learning
Y6	Evolution and Inheritance	Light	Living things and their Habitats	Animals Inc Humans	Electricity	Consolidation of Learning

Impact

The impact of our curriculum will ensure that the children of Wisewood will have a love of scientific stands and enquiry. They will have the ability to communicate their ideas and the process they have worked towards an end point. Our children will be curious, critical thinkers who understand the impact of scientific understanding in the world we live in today.