

Dodford First School

Our Values				
Perseverance	Respect	Independence	Determination	Excellence
Our Golden Threads				
Vocabulary and Oracy	Breadth and Mastery	Diversity and Inclusion	Digital Literacy and Personal Safety	

Science Curriculum Statement

At Dodford First School we encourage our children to develop an enquiring mind and analytical thinking skills through an interesting science curriculum that ignites children's curiosity for the world around them. Science continues to change our lives in many ways and learning about scientific knowledge, methods, processes and uses provides the foundations for understanding the world in which we live, today and for the future.

Science teaching at Dodford First School aims to give all children, from Early Years Foundation Stage through to Year 4, the opportunity to acquire specific skills and knowledge to help them think scientifically, to gain an understanding of scientific processes and have a deeper understanding of the uses and implications of science in the real world. Therefore, we have ensured that our science curriculum is tailored to meet the diverse needs of our learners in mixed-age classes whereby substantive and disciplinary knowledge has been carefully interwoven year by year and covered within the three scientific disciplines: Biology, Chemistry and Physics.

Throughout their journey, we aim to foster an environment where children ask questions, explore them, engage with the scientific concept and extend their own understanding in practical and meaningful ways. This also includes the opportunity to research and work like the scientists that have been carefully chosen to complement our themes. Our curriculum has purposefully taken into consideration the children's prior learning at each stage and provides frequent opportunities for teachers to assess children's understanding of knowledge and how they work scientifically. Furthermore, our science curriculum is planned to take account of what children learn in science so that they can confidently work scientifically and has identifiable links with other aspects of the curriculum such as Reading, Writing, Geography and Design and Technology.

Science Curriculum Overview

	Theme 1	Theme 2	Theme 3	Theme 4	Theme 5	Theme 6
EYFS Cycle A	Muddy Mondays – What has changed?					
	Marvellous Me How can I move and be active?	Happy to Help What do I know about animals and how can I help them?	Material World Am I a scientist?	Spring Around the World How do things grow and change?	An African Adventure What do I know about animals and how can I help them?	We're Going on a Bug Hunt What lives within my world?

EYFS Cycle B	Muddy Mondays – What has happened?					
	Starting School How can I be happy and healthy?	My Place in the World What do I notice when something grows?	Winter Wonderland How does winter compare to other seasons?	Toy Town How can I test things out?	My Wonderful World How can I be happy and healthy?	Summer Adventures What can I find outside?
	Theme 1	Theme 2	Theme 3	Theme 4	Theme 5	
Years 1 and 2 Cycle A	Seasonal Changes					
	Materials	Animals including humans (Parts of the Body)	Materials	Animals including humans (Animals)	Plants	
Years 1 and 2 Cycle B	Plants	Materials	Animals including humans (Basic Needs and Keeping Healthy)	Living things and their habitat	Plants	
Years 3 and 4 Cycle A	Animals including humans	Rocks	Forces and Magnets	Plants	Light	
Years 3 and 4 Cycle B	Electricity	States of Matter	Sound	Animals including humans	Living things and their habitats	

Enquiry Skill (Working Scientifically)	
Asking Questions and <i>Planning an Enquiry</i>	
<i>Making Predictions</i>	
Setting Up Tests	
Observing and Measuring	

Enquiry Approach	
Comparative or Fair Testing	
Research	
Observation over Time	
Pattern-Seeking	

Scientists	
Historical Figure	
Under-Represented	
Modern	

Recording and <i>Presenting Data</i>	
Interpreting and Communicating Results	
<i>Evaluating</i>	

Identifying, Grouping or Classifying	
Problem-Solving	