

Dishforth VC CE Primary School and Nursery Subject on a page: Science

<text><text><text></text></text></text>	ImplementationScience lessons follow the National Curriculum and are structured using the North Yorkshire Scheme of Learning. We follow a long-term plan with a two-year rolling programme for KS1 (newly introduced September 2024) and KS2. As of September 2024, EYFS use White Rose Science Reception scheme to inform planning for Knowledge and Understanding of the world. The scheme links directly to the Reception maths scheme and lays the foundation for the KS1 working scientifically skills.Science lessons incorporate: • the teaching of scientific vocabulary • the five different enquiry types • learning outdoors • conducting scientific investigations • use of knowledge organisers • assessment through retrieval quizzes, end of unit assessments and individual progress records for knowledge & understanding and working scientificallyHealth and Safety: • We follow CLEAPSS advice to risk assess our science lessons. • Children will be informed of any potential risks or hazards and shown how to use equipment safely. • Children are encouraged to consider any risks or hazards in an investigation.Staff development: The Science Leader will be responsible for the development and	 Impact As a result, learners will: Know more, remember more and understand more about working scientifically and scientific concepts. Show confidence in asking questions about scientific concepts which build on their scientific knowledge. Show confidence in planning, carrying out and reviewing different types of scientific enquiries to answer their questions. Show confidence in selecting resources best appropriate for their scientific enquiries. Understand how science is relevant to our world both now and in the future. Show confidence in their ability to achieve in science. The majority will achieve the expected standard in science.
	The Science Leader will be responsible for the development and monitoring of the Curriculum at each Key Stage assisting colleagues with science teaching.	

 How children with additional needs are supported Quality first teaching to meet the needs of all learners Differentiation e.g. through scaffolded activities Multi-sensory approach Mixed-ability grouping Targeted adult support Visual prompts Personalised adaptations based on IPMs and EHCPs Dyslexia friendly fonts 	 How more able children are challenged Reasoning/challenge questions Higher level questioning Encouraged to increase the depth of their answers Share their 'expertise' with their peers Encouraged to evaluate and adapt their approach independently Encouraged to expand their knowledge further through independent research
The focus in my subject this year is: To develop science teaching in line with current research from the Education Endowment Fund on 'Improving Primary Science' to ensure a greater number of children achieve age related expectations by the end	 Monitoring plans for my subject this year are: Meeting with KS1 teacher to review new long-term plan Meeting with EYFS teacher to review White Rose Science Reception scheme

of KS2.	Pupil voice November 2024
This will focus on continuing to develop children's scientific vocabulary	• Monitoring of termly data (December, April and July)
hrough explicit teaching of new vocabulary and developing children's	
working scientifically skills.	
Fo support the implementation of the new two-year rolling programme	
For KS1.	

Previous improvements and impact	Current impr	ovements	Ideas for future Improvements
Retrieval Practice to embed substantive	Embedding working sci	ientific vocabulary.	Develop children's recall of previous
knowledge. The impact of this was shown	Developing children's w	orking scientifically	learning (longer term recall) through
in end of unit assessment quizzes.	skills	s.	revisiting substantive knowledge.
Pupil Voice: Science Ambassadors from Y6 have been selecte "I love science" "I like it when we make our own knowledge or remember all the facts in our topic for the quiz "I like it when we get to go outside" "It was really fun when we made our own bloc the blood cells" "I loved making imprint fossils and showing the	ed. ganisers. It helps me to " od. It helped me remember em in assembly"	Percentage at age rela Y6 62% (HNM 5 38% Y5 100% (HNM 0) Y4 75% (HNM 4 25% Y3 71.5% (HNM 4 28. Y2 78% (HNM 2 22%) Y1 100% (HNM 0) EYFS 87% (R – HNM 2	Data/ Outcomes: ated expectations July 2024: including child new to the country)) 5%))