

Science Curriculum

At Lydlynch Infant school our vision for our children is to become confident Scientists who can accurately and appropriately use scientific vocabulary. We aim for them to use they key skills needed for scientific enquiries and for them to become naturally curious of the world they live in. Through providing first hand experiences and an inquiry- based curriculum children will have the chance and enjoy investigating ideas independently, recording their data and asking 'why?' to develop their understanding further.

Intent

At Lydlynch Infant school, we aim to give children a **Journey of Opportunities** that develop a love of learning based upon **independence, creativity, resilience** and being a **team player**. Our Science curriculum is designed to engage children's interests, inspire them, and get them to ask questions and to challenge them. We intend for them to develop their scientific vocabulary and to be able to sue this accurately during their work. Children will develop both their independence and being a team player through being encouraged to experiment and test ideas and to be creative in doing so. We aim for them to be independent in their thinking and in recording their findings. Children are encouraged to be resilient when trying and testing new concepts and to also have a respect for living and non-living things and how we can look after them.

Implementation:

Around the school teachers will have a positive approach to Science and will make sure it is hands on, engaging and exciting. The teaching of Science follows the National Curriculum and is taught through our topics. It will enable children to build upon prior learning and knowledge as well as new concepts and ideas. Our curriculum shows a clear progression of knowledge and skills from Year R to Year 2. In Year R this starts through the environment where adults encourage children to be inquisitive and ask questions of their surroundings and how things work. These are linked to topic stories such as 'Stick Man' and 'How is Bread Made?' This then progresses on in KS1 where children use the scientific skills within their learning and is based upon the children's topic such as 'flower power' where children identify and label parts of a plant and what they need to grow. The children enjoy being hands on and growing their own plants ensuring they receive enough water, sunlight and a good temperature for them to grow. The children are also encouraged to use their observational skills and to use simple equipment. They will explore and learn about seasonal changes throughout the year with a focus on the Lydlynch Tree in the playground. This ensures the learning is relevant and brings their learning to life. Children will develop an understanding of animals and humans and will learn about their body parts and why they are important. They will learn the importance of a healthy lifestyle which creates cross curriculum links to other subjects such as DT and food technology. Children will learn the skills of identifying and classifying and will be able to use a range of ways to record and interpret their learning. Our children enjoy learning outside especially exploring the garden and plants as well as mini-beasts and their habitats.

Impact

When children leave Lydlynch their learning and experiences in Science will have enabled them to become inquisitive, confident and independent in their world and will have a respect and understanding of how to take care of it and things within it. They will have the ability to be resourceful, resilient, creative and an effective team player in their continued learning in Science, where they can make predictions and create simple tests. Science at Lydlynch will support children in becoming life-long learners. It will have celebrated successes in their learning and developed their resilience learning through trial and error when tests do not always go correct the first time. Science at Lydlynch will have inspired children to take risks and to have confidence in their own ideas.