



Meare Village Primary School

'Four walls that hold tomorrow'

OVERVIEW OF SCIENCE



Why this subject is important in our school:

Science is everywhere. It influences all aspects of daily life, take gravity and medicine for example, and is a catalyst for curiosity. To learn more about the world around us, Science often holds the clues and provides copious opportunities to help develop enquiring minds as well as critical-thinkers.

We teach Science to the pupils in our school because it:

- is engaging, inspiring and helps pupils to develop their natural curiosity.
- helps develop key life skills e.g. communication, observation and an awareness of the world around us.
- provides natural opportunities and the chance to interact with the environment, which in turn encourages respect for living organisms.
- enhances opportunities for cross-curricular learning e.g. mathematics, computing and understanding the world (EYFS).
- teaches them to ask questions and develop important investigative skills to find out the answers to them.
- enables them to develop critical Science skills e.g. make predictions, test, observe and communicate their findings.
- encourages collaboration between peers.

How this subject is organised in our school:

Our Science curriculum is based on the learning objectives set out in the National Curriculum 2014 document.

- In the EYFS, children are taught Science through the area of 'understanding the world'. This provides opportunities for cross-curricular learning and enables children to explore, observe and find about people, places, technology and the environment.
- In KS1 & KS2 we aim to deliver an inclusive, engaging and inspiring Science curriculum that encourages curiosity and the opportunity to explore.
- Children build upon existing knowledge and are given opportunities to further develop their understanding of key concepts and ability to work scientifically when confronted with something new.
- First hand experiences which allow children to make and test predictions, gather, measure and record data, observe, analyse and communicate findings are given regularly.
- Focussed Science weeks are planned to excite pupils and appeal to their natural curiosity.
- A variety of fiction and non-fiction texts are also being used to enrich children's experiences and learning in this subject.
- Science trips/visits are also offered and encouraged which are inclusive and accessible to all.

How we will measure impact:

- Our pupils will be able to question ideas and reflect on their knowledge in different contexts, working collaboratively and practically. When asked, they will be able to explain the process they have taken and be able to reason scientifically.
- Progress will be assessed on an ongoing basis both formatively and summatively. Teachers will use exemplifications on the PLAN website to help them assess pupil progress in line with age related expectations, as well as the use of quizzes to track knowledge.
- Pupils will be encouraged to display their learning using pre and post learning webs based on the subject area which has been taught. This will show knowledge which children already knew and new learning which has taken place.



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- The science subject leader will routinely monitor the impact of science teaching on Pupils' learning through book scrutiny to ensure that progress is made and the breadth of knowledge and skills is being taught.