

Science at Chappel Primary school



Intent

Vision Statement

At Chappel Primary School, our vision is to give children a science curriculum which enables them to confidently explore and discover the world around them, so that they have a deeper understanding of the world we live in.

The science curriculum at Chappel strives to encourage children to become more independent scientists who are beginning to question and explore their own ideas, as well as question others, using appropriate scientific vocabulary and well-structured discussions alongside relevant scientific knowledge. Through our science curriculum, we can plan and build on children's previous knowledge as well as introduce new ideas and concepts. We are committed to providing exciting, hands on and practical experiences for all children at Chappel to promote curiosity within and beyond the classroom.

Implementation

The acquisition of key scientific knowledge is an integral part of our science lessons. Using knowledge organisers enable children to learn and retain the important and useful vocabulary and knowledge contained in each unit.

The progression of skills for working scientifically are developed through the year groups and scientific enquiry skills are of key importance within lessons.

By following the Sonar Curriculum we can ensure that all the different topic areas in the National Curriculum are covered and revisited throughout the children's time at Chappel. At the start of each topic, teachers take time out to find out what the children already understand through mind maps. This is then re-visited at the end of a unit to see what has been learnt and remembered.

Once a year, the whole school take part in British Science Week, planning and carrying out exciting investigations along the national theme each year. This also incorporates a science day where we have a visitor in school creating exciting scientific experiences for all year groups, linking practical experiments to the scientific theory and where they feature in the world around them.

Impact

- Children enjoy and are enthusiastic about science.
- Children are confident to use and explain scientific vocabulary.
- Children can ask questions about their science learning and reflect on their knowledge.
- Children can work collaboratively and practically to investigate and experiment.
- There is clear progression of children's work and teachers' expectations.
- Children are becoming increasingly independent in science, completing pupil-lead investigations.
- Children complete pre and post assessments to ensure any misconceptions of a topic are addressed.