Science at Bishop Tufnell

At Bishop Tufnell Infant CE School, we believe that Science is a key part of the curriculum. Children love investigating; they are naturally inquisitive, which is the essence of Science.

In Key Stage One, the children participate in an hour of Science every week. We recognise that a high quality science education opens the doors for a good understanding of the world around us. We look at a range of specific disciplines such as: biology, chemistry and physics. In our teaching we encourage the children to recognise how science has changed the world around us. We also develop higher order thinking through both questioning and investigations and develop the children's enthusiasm for Science through visits from science specialists offering age-appropriate scientific experiences.

Foundation Stage Science -Understanding of the World

This area focuses on the children's understanding of their environment. This includes aspects of Science, R.E., History, Geography and Technology so that the children investigate topics such as their family, local community and their environment. Children learn to recognise living things, objects and events and to discuss similarities, differences, patterns and change. They are encouraged to ask why things happen and how things work.

Key Stage One Skills

Through their work in Science our Key Stage One children explore the following topics: plants, animals, everyday materials, living things and their habitats and seasonal change. These topics are covered over a two year cycle. During Key Stage One, pupils observe, explore and ask questions about living things, materials and phenomena. They begin to work together to collect evidence to help them answer questions and to link this to simple scientific ideas. They evaluate evidence and consider whether tests or comparisons are fair. They use reference materials to find out more about scientific ideas. They share their ideas and communicate them using scientific language, drawings, charts and tables.

Cross Curricular Skills

The collection and subsequent use of data allows them to use first-hand experience to present and explain what they have found out, developing their Maths and computing skills. Many aspects of English are used throughout the science curriculum from working in small groups and communicating with their peers to the reporting of their findings verbally and in written formats. Links with other curricular areas are encouraged, such as the use of electrical circuits in DT, sound in music and health and the body in PSHE.