



Science Intent, Implementation and Impact for Suffield Park Infant and Nursery School

Intent:

At Suffield Park we place investigation at the heart of our science curriculum. We want to develop the children's natural curiosity and give them the opportunity to develop scientific skills like asking questions and finding ways of answering these questions. We strive to give the children at our school real life experiences linked to their science topic. We believe this will give the children the confidence and motivation to further develop their skills into the next stage of their education and throughout their life. Alongside developing scientific skills, our aim is to provide the children with knowledge about the world around them. Throughout this, the children are immersed in scientific vocabulary, which supports children's knowledge and understanding not only of the topic, but of the world around them.

Implementation:

In KS1, science is taught following the aims and content of the 'National Curriculum' and in EYFS the practitioners follow the EYFS curriculum using 'Development Matters'. All children are encouraged to be curious and ask questions. They are helped to develop their understanding of scientific ideas by using different types of scientific enquiry to answer their own questions, including; observing changes over a period of time, noticing patterns, grouping and classifying, carrying out simple comparative tests, and finding things out using books, leaflets, photographs and videos. We strive to plan science lessons that incorporate first hand experiences, using both our indoor and outdoor environment. We are lucky enough to have a wood on site that the children use regularly. When we can, we invite local experts in to inspire and motivate the children. We hope this will encourage them to see a use of their skills and knowledge later in life. We endeavour to build upon children's prior knowledge, discussing what we already know at the start of each topic. Scientific knowledge is revisited continually throughout the year whether as part of a science lesson or by making links in other subjects, creating connections and a bigger picture for the children.

Impact:

We strive for:

- All children to acquire the age appropriate related knowledge linked to the science curriculum.
- A wider variety of scientific skills linked scientific enquiry/investigative skills.
- A richer vocabulary, which will enable the children to articulate their understanding of taught concepts and the world around them.
- Confidence, enjoyment and high aspirations which will see them through to the next stage of their education and throughout their life.