



Preston & Wingham Primary Schools Federation



**Learning together, we grow kind hearts
and healthy minds.**

Statement of Intent for Science

Intent

Why do we teach this?

We teach a science curriculum which is meaningful and purposeful, enabling our children to confidently explore and discover the world around them. Fun and stimulating science lessons that nurture children's natural curiosity and their on-going development. Hands-on, enquiry-based curriculum promotes questioning, challenge, working practically, investigating evaluating, making choices, working independently and using scientific vocabulary. Our children develop scientific knowledge through the specific areas of Biology, Chemistry and Physics. They develop their understanding of the nature, processes and methods of Science through different types of science enquiries that help them to answer scientific questions about the world around them. Most importantly, they develop an enthusiasm and enjoyment of scientific learning and discovery.

Implementation

What do we teach and how?

At Preston and Wingham we use a progressively planned programme of both knowledge and skills. We build upon the learning and skill development of the previous years. We use 'PZAZ' and the Kent Science Scheme of learning to support teaching and to further enhance learning experiences. The children develop their understanding of scientific enquiry which is split up into the following: Comparing and fair testing, Identifying, classifying and grouping, observing overtime, pattern seeking and research using secondary sources. Key scientific language is modelled and taught throughout lessons enabling out children to be familiar with and use vocabulary accurately.

Impact

What will this look like?

Children will be confident to use and explain scientific vocabulary while showing enthusiasm and enjoyment. Children will be able to ask questions about their science learning and reflect on the knowledge they have learnt. They will also be able to confidently explain and choose the correct scientific enquiry for the lesson being taught. The children will demonstrate their scientific knowledge in their FLOURISH day. We attempt to inspire scientists for the future!

Respect Inclusive Creative Hardworking