



Science Rationale

Intent

Here at St Andrew's CE Primary School, we intend to foster children's love and curiosity for the world around them. As children progress through each year group, we aim to build on not only their scientific knowledge but also their scientific skills to inspire a lifelong interest in science. It is our intention, through our careful planning, to give children a positive opportunity to understand our world and provide them with the skills that they would need to think scientifically. All our teachers provide opportunities for practical and observational activities and all our staff encourage our children to ask questions to deepen their understanding. Our progressive science curriculum enables children from EYFS through to Year 6 to see the link between science within their own lives and to develop the enthusiasm to explore interests in the subject during and beyond their time at St Andrew's CE Primary School.

Implementations

Our teacher's plan high quality, well-structured lesson which encourage children's natural inquisitive interest. Our units are designed to challenge children's prior knowledge and address any misconceptions to ensure children leave each year group with a concise understanding in readiness to build on skills during the following year. In addition to this, each lesson should have a clear focus, key vocabulary and the opportunity for children to work scientifically. At St Andrew's CE Primary School, as often as possible, practical investigation are key in providing children with the best opportunity for their learning as well as encouraging our children to ask questions and raise scientific enquires. It is hoped that through the well thought out planning, as the children progress further up the school, they become increasingly independent in carrying out fair and comparative scientific enquiries.

Impact

Our children will:

- Foster a love and curiosity for our world
- Follow a progressive science curriculum that meets the needs of all children
- Be equipped with the skills to carry out fair and comparative scientific enquiries
- Ask scientific questions to enhance their understanding
- Develop a broad vocabulary and use new words in a meaningful context
- Have clear, well focused lessons with opportunities to build on knowledge and enquiry skills