

Science at Easton CE Academy

Intent

At Easton CE Academy, we want our children to be confident, curious and critical thinkers. We want them to have the foundational knowledge they need to make links, ask questions and understand their observations about the world around them. We want our children to have the skills they need to answer those questions using a range of information and evidence from investigations and research. We believe that this is the essence of what a scientist is and we are aiming for all of our children to identify as scientists.

Implementation

We will work to achieve our aim through:

- Developing our children's disciplinary and substantive knowledge and the use of scientific vocabulary through explicit teaching and oracy focused starters
- Ensuring progression in disciplinary knowledge by children 'being scientists' in every lesson, enabling them to ask and answer questions through investigations and research

- Using assessment for learning to plan effective sequences of lessons that build on previous knowledge both throughout a unit and over time across the school
- Using knowledge organisers to embed key facts and regularly review substantive knowledge
- Addressing misconceptions using questioning and regular review of learning

Impact

We will know that our intent and implementation are embedded when:

- Children identify as scientists and know when they are being one
- Children can speak confidently about previous learning and make links across science units and other curriculum subjects
- Children's knowledge is cumulative and builds on prior learning
- Children are able to plan simple scientific enquiries that can answer their own questions