



At St Andrew's



Implementation

- Science is delivered as a discrete subject however is timetabled to exploit links with our cross curricular topics where relevant. Real life scenarios are used in order to make science purposeful.
- The Science Enquiry Cycle is at the heart of our teaching. Children acquire procedural knowledge (skills) in order for them to gain deeper understanding of the facts and scientific concepts (knowledge) within the curriculum.
- During a school year children engage in either a visit, memorable experience or have a visitor into school to enhance their learning and provide opportunities for them to encounter science first hand. Science Day/Week and participation in city wide initiatives all add to children's science footprint. Some events involve parents in a supportive way or to celebrate learning.
- Assessment is carried out against the National Curriculum POS and a progressive set of statements covering the skills of being a scientist under the headings Questioning, Investigation, Prediction, Observing & Measuring, Presenting Information and Analysis.

Intent

Children at St Andrew's become scientists through the teaching of procedural knowledge as well as scientific facts and theories. It is a highly practical subject and engages the children in activities and investigations that builds on their science footprint and skills, enabling them to understand the world around them whilst capturing their awe and wonder in how things work. It introduces them to the possibilities science opens up to them for their future making links with other STEM subjects. Inspiration is taken from famous past and present scientists and links are made with how their work has shaped the world we live in.

Impact

We know Science is impactful when our children overwhelmingly enjoy science resulting in motivated learners who display high levels of curiosity. All children feel they are scientists and capable of achieving. Children apply their knowledge of science when using equipment, conducting experiments, building arguments and explaining concepts confidently and continue to ask questions. Subsequently they acquire good scientific understanding. Children also have the understanding that science has changed our lives and our world and how it has the capacity to continue to do so.