Science Curriculum

Intent, Implementation and Impact Statement

Intent

At Chaucer Primary School, our vision is to give children a science curriculum which enables them to confidently explore and discover the world around them, so that they have a deeper understanding of the world we live in. We aim to create fun and stimulating science lessons that nurture children's natural curiosity and their on-going development. Through a hands-on, enquiry-based curriculum which promotes questioning, challenge, working practically, investigating, evaluating, making choices, working independently and using scientific vocabulary. Children also develop an understanding of how important and relevant science is to their lives, now and in the future through enterprise, Science Days and STEM activities.

Implementation

At Chaucer we ensure high standards of teaching and learning in science, we implement a curriculum that is progressive throughout the school. We use 'Outstanding Science' in KS1 and KS2. Which is organised into topics and year groups and designed around the statutory requirements for Primary Science and gives full coverage of the National Curriculum. At the start of each topic teachers take time to find out what our children already understand and want to find out through KWL grids. Through teacher modelling and questioning we want our children at Chaucer to wonder and be amazed by the world around them as we recognise that our children sometimes lack experiences. Key scientific language is modelled and taught throughout lessons enabling our children to be familiar with and use vocabulary accurately. We are committed to providing exciting, hands on and practical experiences for all children at Chaucer. In turn this will help promote independent learning, curiosity and a love for enquiry and knowledge. Teachers are also encouraged to plan trips and visitors to enhance our children's learning experience when possible.

Once a year, the whole school works off a timetable and participates in a 'Science day'. A theme runs across the school, with children investigating a Science/STEM question. This enables children to immerse themselves in science and its vocabulary. They will learn about scientists, make real life links and work through the steps of a scientific investigation. At the end of the day, all classes share their findings.

Impact:

- Children enjoy and are enthusiastic about science.
- Children are confident to use and explain scientific vocabulary.
- Children can ask questions about their science learning and reflect on their knowledge.
- There is a clear progression of children's work and teachers' expectations.
- Children are becoming increasingly independent in science, and completing pupil lead investigations.
- Children complete pre-assessments (KWL) to ensure any misconceptions of a topic are addressed.
- Children complete post-assessment questions to assess children's learning.