



Science

Intent:

At Yenton Primary, Science education provides the foundation for understanding the world through the disciplines of biology, chemistry and physics. The scientific area of learning is built to deepen pupils' knowledge and understanding, and to develop skills associated with Science as a process of inquiry and investigation. We offer a curriculum that inspires and enriches children's curiosity about the natural world and encourages them to find innovative ways of adapting to an ever changing environment.

At Yenton, we aim to provide children with:

- Key scientific knowledge of the surrounding world
- The ability to plan, perform and evaluate experiments to help answer Scientific questioning and broaden their understanding of the world;
- The increasing ability to make careful observations and accurate measurements;
- The ability to use scientific equipment safely and accurately to collect data;
- The ability to use scientific vocabulary to confidently share their findings;
- The ability to identify, group and classify objects/beings based on their shared properties;
- An interest in scientific leaders around the world and their extraordinary work in the field of Science.

Implementation:

The Science curriculum at Yenton Primary School has been rigorously produced to cover all National Curriculum areas. We provide a clear and comprehensive scheme of work where teaching and learning plans for practical investigative opportunities within Science lessons, where appropriate. We ensure that the working scientifically skills are built-on and developed each year so that children can apply their knowledge of science when using equipment, conducting experiments, developing rational, explaining concepts and asking questions in relation to their studies. Teachers begin every lesson with retrieval style questioning to ensure children build effectively on prior knowledge, so that all learning is progressive and offers inclusivity for all.

Impact:

At Yenton Primary School, the Science curriculum encourages children to be inquisitive and results in a high-quality Science education that provides solid progression. If children are achieving the curriculum requirements, they are deemed to be making good or better progress. In addition, we measure the impact of our science curriculum through the following methods:

- Topic quizzes (at the end of each half term) to gain an understanding of the procedural knowledge and factual knowledge learnt;
- Retrieval style questioning at the beginning of every lesson to assess prior learning
- Pupil voice - focusing on children articulating their learning and use of Scientific vocabulary
- Evidence scrutiny - giving opportunities for teachers to discuss progress being made by children
- Marking of written work in books