

Children are confident as they talk about science and can use accurate vocabulary.

Aspirational end of year outcomes seen across the school.

**Impact-**

Children show enthusiasm and enjoyment towards science.

Children are able to self-assess and can discuss their learning and the importance of assessment to progress their learning journey

Based on the National Curriculum, teaching distinctly sequenced and progressive lessons.

**Implementation-**

High quality teaching, ensuring each child's needs are targeted by adaptations, support and challenge.

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Kapow Science is used providing a sequenced knowledge-rich curriculum and a progression of scientific knowledge and enquiry skills.

**Intent-**

- To think independently and raise questions about working scientifically and the knowledge and skills that it brings.
- To be confident and competent in a range of practical skills, taking the initiative in, for example, planning and carrying out scientific investigations.
- To develop excellent scientific knowledge and understanding which is demonstrated in written and verbal explanations, solving challenging problems and reporting scientific findings.
- To illustrate high levels of originality, imagination or innovation in the application of skills.
- To have the ability to undertake practical work in a variety of contexts, including fieldwork.
- To develop a passion for science and its application in past, present and future technologies.

Key scientific vocabulary is used each lesson and is on display in each classroom. (Widget dual coding)

Using Talk Partners to support and encourage children's discussions and collaboration during lessons

Additional Science opportunities LOTC activities, educational visits/visitors, videos/songs are used.

Retrieving prior knowledge and using previous learning steps enables children to understand the sequence of learning. (Knowledge organisers)

Allowing children to have thinking time to find their own answers. Encouraging all learners to explain their answers and deepening their thought process through the use of WALKTHRUs.

Learning environments reflect science learning through working walls and displays of key vocabulary.

Kapow lessons are designed to be inclusive and accessible.

Children are seen to be independent learners, building resilience and creativity in their way of thinking.

Children across the school have robust scientific skills which they can apply to answer scientific questions.

Children demonstrate an understanding of how science impacts everyday life and future opportunities.

