



## Science

At Jubilee Academy, we aim to build on previous learning through a mix of knowledge-based lessons and practical 'hands on' learning and we encourage children to be curious and ask questions. The science curriculum at Jubilee Academy allows children to acquire and develop the key knowledge that has been set out in each unit of work. We also ensure that the Working Scientifically skills are built into units of work and developed as children move through the school.

The 2014 National Curriculum for Science aims to ensure that all children:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- Are equipped with the scientific skills required to understand the uses and implications of science, today and for the future. We understand that it is important for lessons to have a skills-based focus, and that the knowledge can be taught through this
- At Jubilee Academy, the aim of our science curriculum is to allow pupils to explore and discover the world around them with increasing confidence so that they develop a deeper understanding of the world they live in.

We aim to have high expectations of pupils in science and teachers aim to foster a positive attitude towards science for all children. Our whole school approach to science involves the following:

- Science is taught in planned topics blocks.
- Children are encouraged to ask their own questions about these topics and are given opportunities to explore questions raised in class using scientific skills and research.
- Teachers identify gaps in learning so that all children keep up.
- As children move through the school, they become more adept in selecting and using scientific equipment; collecting, collating and interpreting results; and forming conclusions based on evidence.
- New vocabulary and challenging concepts are introduced through direct teaching.
- Outdoor learning (where possible) and extra-curricular learning/ trips are planned for to supplement their classroom science learning.
- Using pupil voice to gauge pupil response to the science curriculum and adapting practice in light of findings.