



Science

Subject Intent

At St. Luke's we want our pupil's to recognise how Science has changed our lives and is vital to the future of our local area and the wider world. We aim to make all of our children, especially those from disadvantaged backgrounds, more aware of the wide range of careers that science offers in our local area, widening the future horizons of all pupils.

Our Science curriculum aims to make children enthusiastic about Science from an early age through practical, engaging science lessons that relate to their everyday lives. We want to develop everyone's science capital through ensuring that lessons develop the key working scientifically skills as well as subject knowledge. Staff are expected to model the correct scientific vocabulary and have high expectations that the children use it during lessons.

We believe that Science is pivotal in embedding our whole school curriculum intentions of developing growth mind-set and personal development, including character. We aim to promote these intentions through providing opportunities for the children to work independently and with their peers; exploring a wide range of practical scientific investigations which encourage children to ask questions, make mistakes and discover things for themselves.

Our intention of being fully inclusive is promoted in our Science curriculum by providing lots of practical, hands on experiences, and also by using variety of recording methods.

National Curriculum Aims

The national curriculum for science aims to ensure that all pupils:

- 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 knowledge required to understand the uses and implications of science, today and for the future