

Science

Our curriculum aims to develop a sound knowledge of primary science and a sense of enquiry and curiosity about the world. Understanding the world through the disciplines of biology, physics and chemistry is essential in preparing pupils to take their place in a 21st century society. We want our pupils to be able to question, devise enquiries, test fairly, observe and measure, make predictions and interpret and communicate results since this sequence of skills is directly transferable to real life situations they will face in the future.

The knowledge progression, taught in a two-year cycle, covers all the topics listed in the National Curriculum. Additionally, there are requirements relating to 'working scientifically', which underpin all our work in science. This is not taught as a separate strand but instead is embedded throughout the subject's content. The pupils learn a variety of approaches for answering scientific questions and, by the end of Key Stage 2, we aim for all children to be able to carry out their own investigations, presenting results and drawing conclusions independently.

The nine skills outlined in the skills progression sequence are first taught in EYFS and are then built upon in each subsequent year. There is a separate progression for Scientific Enquiry. This shows examples of investigation questions which demonstrate each of the five main ways we can enquire scientifically or 'ways of finding out'.

The DNA threads of *your self* and *your world* are present in many science topics alongside the overarching themes of *your future* and *your learning*.