

## **Subject area: Science**

### Curriculum Design

Our science curriculum helps to provide the foundations for how children understand the world around them. Through the build-up of knowledge, processes, methods and uses of science, we aim to ignite, within the children, a spark of excitement and curiosity, whilst underpinning the notion that science changes lives and is essential for the world's future prosperity.

### Planning and sequencing

We follow the guidelines for the Programmes of Study in Key Stage 1 and 2 that are set out year by year by the National Curriculum. Each year group is given prescribed statutory knowledge content that must be taught within those years. Scientific skills objectives (Working Scientifically) are taught as Key Stage 1, Lower Key Stage 2 and Upper Key Stage 2. They are not to be taught discretely but alongside the delivery of year group Programmes of Study.

Science units are organised to be taught within topics where there are clear and obvious links. For instance in Y5, Animals and their Habitats is taught in Autumn 1 as part of their Wetlands and Woodlands class topic. Where there are no obvious links, we aim to place our science units within a topic in which links and contexts can be creatively found. For instance in Y6, Light is taught during their World War II topic, (in Autumn 1 alongside the anniversary of the start of war) having relevance to the idea of searchlights during the Blitz and Blackout.

Other units are placed alongside the optimum calendar time to support the particulars of the study. For instance, Plants in Y1, Y2 and Y3 are taught in Spring 2 or Summer 1.