



# Curriculum statement for Science

## **Subject aims: what do we want the children to learn and why**

At Whipton Barton Federation, we recognise the importance of Science in everyday life and we want children to be naturally curious about the world around them. Our curriculum has been developed to ensure full coverage of the National Curriculum and to foster a sense of wonder about natural phenomena. We are committed to teach lessons that develop children's curiosity, encourage respect for living organisms and the physical environment. All children will learn to question and discuss science-based issues that may affect their own life and the future world. Throughout the school children are encouraged to develop and use a range of scientific skills including questioning, researching and observing for themselves. We also want children to have a broad vocabulary which is taught and built upon as topics are revisited in different year groups and across key stages.

## **How the subject is organised and taught**

Science topics are planned on a one year overview and whenever possible links are made with other subjects. All year groups teach science lessons every week and at least one science topic is taught every term to ensure continuation and a full coverage of the curriculum. At the start of each topic, teachers share a knowledge organiser with the class which outlines knowledge and key vocabulary that children must master. The science curriculum is progressive throughout the school. Scientific enquiry skills are embedded in each topic the children study and these topics are revisited and developed throughout their time from Year 1 to year 6. This allows children to build upon their prior knowledge and increase their enthusiasm whilst embedding their knowledge into their long-term memory.

Key scientific language is modelled throughout lessons enabling children to be familiar with and use vocabulary accurately. Whenever possible, trips, visits and outdoor learning are also included in the planning to enhance children's learning experiences.

## **What subject-specific characteristics do we want children to develop?**

At Whipton Barton Federation, the curriculum is planned to demonstrate a clear progression from KS1 to Ks2. Children are to retain prior learning and key vocabulary and make connections between what they have learned previously and what they are currently learning. Through workshops, trips and interactions with experts and local charities, children have an understanding of the importance of Science around them. Frequent, continuous and progressive learning inside and outside the classroom is embedded throughout the curriculum to ensure that children are equipped with skills and knowledge that enable them to be ready for the curriculum at KS3 and for life in the wider world.