

## **Science Intent, Implementation and Impact Statement**

### **Intent:**

Science is an exciting part of our pupil's lives and provides children with opportunities to answer their own questions about the world around them.

At Court Lane Infant School, our intention is to inspire children's curiosity and critical thinking through a rich variety of topics that cover the core scientific disciplines of physics, biology and chemistry. The children use exploration of the world around them to build a variety of investigative skills, developing the elements of working scientifically. The disciplinary knowledge involves observing over time, pattern seeking, identifying, classifying and grouping, comparative and fair testing, and researching using secondary sources. We encourage children to seek answers to questions through collecting, analysing, and presenting data.

With each unit taught at Court Lane Infant School, children will build on prior learning while developing progressive new scientific vocabulary. Children develop their disciplinary knowledge by engaging in practical activities, utilising their classrooms, wider school environment, local environments and far beyond. With the substantive knowledge the children acquire during their time at Court Lane Infant School, they learn to understand the importance of science in today's world and that of the future.

### **Implementation:**

At Court Lane Infant School, we have 1-hour science lessons per week in both year 1 and year 2. In years 1 and 2, pupils study a unit of work across one-half term, with the exception of year 1's materials unit over a term and a longitudinal study of seasons. Additionally, Year 2 study materials and plants over 1 term each.

In EYFS, Understanding the World is taught as part of continuous provision to allow exploration and understanding on basic scientific substantive and disciplinary knowledge. The teaching points link to the overarching theme for that half term.

Pupils are assessed in KS1 at the end of every half term, with an assessment being filled out on the back of their planning as a reference point, which relates to the national curriculum. In EYFS Understanding the World is assessed on baseline entry, and each term's checkpoint.

### **Impact:**

Pupils at Court Lane Infant school are able to answer questions about the world around them, and apply the scientific skills and substantive knowledge they have been taught throughout the years. Assessments of the children show they can articulate their learning and use scientific vocabulary for each unit of work. Through observations, pupils thrive through practical scientific opportunities, which enables them to put their skills and knowledge into practise.