

# Springfield Science Policy

## Intention

At Springfield, our vision is to provide children with opportunities which enable them to become resilient, critical and curious learners. We want our children to confidently explore scientific concepts and gain a deeper understanding of the world we live in. We intend to maximise the use of our whole-school environment and our local area where possible. We aim to create exciting and stimulating science lessons through an enquiry-based approach which raises children's natural curiosity and questions the world around them. We intend to provide all children with the scientific terminology, taught through modelled language and explicit activities in each lesson to ensure our children can demonstrate their understanding and be able to 'talk like a scientist'. All of which will inspire our children to succeed.



## Implementation

### White Rose Science

In KS1 and KS2, teachers follow the WhiteRose Science scheme which is a progressive curriculum and is designed to address all of the National Curriculum objectives for Science. In EYFS, teachers follow the Development Matters Framework when teaching Science.

### Explorify

In our science lessons, we use a range of Explorify activities with the aim of building scientific vocabulary and reasoning skills. The discussion based and open-ended activities enable all of our children, including those with SEND to participate without the fear of failing.

### Recap (Flashback4) Slide

In every Science lesson, children complete a quick and short recap activity supporting them to retain key information into their long-term memory.

### Vocabulary Slide

Key terminology is explicitly taught in every science lesson, the same key vocabulary for the topic is explored and discussed at the beginning of every science lesson.

### Investigations

Where possible, we deliver lessons through an enquiry-based investigations which support children to develop the skills of 'Working Scientifically'.

### Assessment

At the end of each term, children take part in end of unit assessments to assess their understanding, progression and next steps. These will be used alongside the class teacher's formative judgement, helping them to create an overall picture of the child as a Scientist and inform their individual summative grade.

### Science Week

Once a year, the whole school works off timetable and participates in Science Day. Our school follows the national theme and gets fully involved in lots of different activities.

## Impact

Our children will be curious, reflective and independent learners. The successful approach at Springfield Primary, results in fun, stimulating and a high-quality curriculum that provides children with the skills and knowledge to become outstanding scientists. Our engagement with the whole school grounds and local environment ensures that children learn through varied and first-hand experiences of the world around them. Frequent, continuous and progressive learning outside the classroom is embedded throughout the Science curriculum. Children should be able to confidently talk about their experiences and the knowledge they have gained using the correct terminology. They should be able to ask relevant questions and reflect on their knowledge. Through various experiences, including investigations, trips and Science Days, our curriculum will lead pupils to be enthusiastic and passionate science learners.