

# “The important thing is to never stop questioning.”

## Albert Einstein

### **Intent**

At Leavening, Science is hands-on and exciting! Our aim is to nurture curiosity and encourage questions. We have developed a high-quality Science curriculum that enables children to practice enquiry skills, and to work scientifically across all topic areas. We encourage children to develop a growth mindset approach and instil confidence and resilience in all learners.

### **What Science looks like at Leavening**

### **Implementation**

We follow the National Curriculum for Science, which ensures consistency and progression in knowledge and skills across the school. Due to the nature of our mixed age classes, children are given plenty of opportunity to revisit prior learning and build on their knowledge and skills

We teach lessons so that children:

- Develop their love of science.
- Develop working scientifically skills including: questioning, predicting, concluding, observing and recording.
- Progressively acquire, use and apply a growing bank of scientific vocabulary.
- Have the opportunity to develop curiosity by engaging in practical activities.
- Understand that people solve problems differently and at different paces
- Work in an environment that supports and embeds their learning in practical science.
- Develop skills that contribute to learning across the curriculum.

## How we entwine Science with our Leavening school values underpinning our purpose of 'Together We Can'

### Care, share and belong

Children will develop a mutual respect for children's approaches to Science. They will show empathy and compassion towards children who give considered and careful explanations so that children don't feel

### Look and learn beyond the classroom

Children have lots of opportunities to engage in 'practical' Science. Wherever possible, they are encouraged to use their senses to explore and manipulate interesting and relevant resources. Children learn much better this way.

### Aim high so everyone can shine

Children are encouraged to aim high and produce work of a high standard, this includes clearly thought out, written and verbal explanations of why an answer is correct or incorrect. We motivate children to 'have a go' and to see mistakes as one step closer to success.

### Learn with passion

Children are excited by Science. They love using practical resources and drawing pictures and diagrams to help them deepen their understanding. There are many ways to solve a problem and children are excited to use their creativity to explore them.

## **How we know our Science curriculum is successful**

### **Impact**

- Children will leave Leavening with the skills to become successful, lifelong learners.

- Children will become independent and confident scientists.
- Children will see mistakes as a road to success.
- Children will understand that there are many ways to solve a problem.
- Children will ask questions and become curious in nature.
- Children will have a love of Science.