

## **Science at George Street Primary School**

### **Intent**

We follow a practice of a partnership between knowledge and skills.

### **Knowledge**

Our intention is that all children continuously build the knowledge that they learn through our Science Curriculum in a memorable way, making links between concepts, so that they can apply it explicitly and implicitly in their lessons, their future education and their lives within the wider world.

### **Skills**

We aim to engage and value children's innate curiosity and to foster a strong enjoyment of discovery through the systematic and purposeful teaching of Working Scientifically skills, in order that they develop a naturally inquisitive approach to learning and life, questioning and 'tinkering' in order to expand their understanding and open mindset.

We aim for all children to leave their year group at the level expected for their age, and where they have not, they are making accelerated progress in order to close the gap.

### **Implementation**

Teachers plan to include children's own ideas and questions, which not only enables them to have a motivational element of control over their learning journey, but also assists teachers to pick up on misconceptions and plan using Assessment for Learning.

All types of enquiry are covered across each year group, in multiple, relevant ways, to embed the skills and allow for children to select investigation methods more independently. These include: Pattern Seeking, Fair Tests, Research and Comparing, Organising and Sorting.

A variety of approaches to learning are used within each unit, in order to engage all children and solidify knowledge. These may include: written work in different genres (diary, descriptive, report, instructions); diagrams, drawings and models; presentations, group-work and posters.

An annual Science Week is used to its full potential to engross all children, ensuring a deeper and thorough understanding and an excitement in the subject.

Visitors and trips within Science Week and across the year are similarly used to enrich our science teaching and learning, in meaningful and memorable ways.

Our school is well resourced and all children have access to the practical tools that they need to gain the crucial hands-on experience.

### **Impact**

The impact of the science learning at George Street will be evident in the recording in books, displays and pupil voice. Children will articulate their current and past learning clearly, using correct vocabulary and with enthusiasm. They will show curiosity about a new topic and ask relevant questions, linking new learning to existing knowledge. They will have a scientific approach to investigating, suggesting their own ideas to find solutions and to record findings.