



# Sprowston Junior School Our Curriculum



Subject: Science

<u>Date policy was updated:</u> September 2020	<u>Monitored by:</u> Neil Reeds	<u>Date of policy review:</u> September 2020
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This policy can be summarised using the three categories: intent, implementation and impact. These areas are used to monitor the effectiveness of our science curriculum across the school.

### Intent:

- To provide a stimulating, inclusive and challenging Science curriculum across the school.
- To make cross curricular as well as contextual links with Science.
- To foster a love of Science.
- To develop inquisitive Scientists with a knowledge and understanding of their world.
- To provide real opportunities for Scientific investigations.

### Implementation:

- Prepare our children for life in an increasingly scientific and technological world today and in the future.
- Help our children acquire a growing understanding of the nature, processes and methods of scientific ideas.
- Help develop and extend our children's scientific concept of their world.
- Build on our children's natural curiosity and developing a scientific approach to problems.
- Encouraging open-mindedness, self-assessment, perseverance and developing the skills of investigation including: observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating.
- Develop the use of scientific language, recording and techniques.
- Develop the use of computing in investigating and recording.
- Make links between science and other subjects.

### Impact:

- A wider variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills.
- A richer vocabulary which will enable to articulate their understanding of taught concepts.
- High aspirations, which will see them through to further study and work.

### Statement:

In science, we will inspire our children by giving them the opportunities to pursue their natural curiosity; promoting the experience of exploring and investigating scientific phenomena, in a range of contexts, to ensure a continually evolving knowledge and understanding of the world around them.

Our children will be encouraged to ask questions, take risks, experiment, reflect, make and learn from mistakes in a safe environment. Whereby they will acquire and apply core skills which equip them for an ever-changing world.

### Organisation:

Our medium term plans depend upon the units that are being studied. Some units are taught using “Developing Experts” which provides a library of over 700 interactive online science lessons with fun science experiments, handouts and assessment for learning activities, fully mapped against multiple curricula including the Science National Curriculum KS2.

To support our learning, we are members of TSN (Teacher Science Network) which is based at the John Innes Research Park. From here, the school has 8 kits per year which is a valuable source of resources and ideas.

Our assessment tools enable us to easily track each child's progress through our interactive online science quizzes.