

## CURRICULUM STATEMENTS: SCIENCE

At SJS, we want our curriculum to lead to confident, independent learners who have a passion for learning and are adaptable to the needs of the world when they leave school. We want to promote positivity, happiness and self-esteem in a caring and supportive environment that meets the needs of each child.



### INTENT

To fulfil the requirements of The National Curriculum and to instil a lifelong love and enjoyment of science within our pupils.

Recognise the importance of science and how it provides us with a greater understanding of the world and how it's vital for the world's future prosperity.

As one of the core subjects we give the teaching and learning of Science the prominence it deserves.

Plan and teach lessons which are progressive in both knowledge and skills.

Respond and understand the needs of all learners, responding to their successes and challenges to ensure they can reach their full potential.

Provide a range of carefully selected streamlined assessment and feedback strategies to solidify learning and support those in need.

We work hard to provide a broad and rich curriculum which is a good mixture of knowledge and skills.

We increase the likelihood that our students will be able to recall and use what we teach by helping them engage their prior knowledge and connect new information to their prior understanding.

Revisit/recall prior teaching and learning in order to strengthen memories.

### IMPLEMENT

Skills are taught progressively across year groups leading to knowledge building over time. We recognise that the curriculum encompasses all areas of learning and aim to provide learning which makes links across all subjects to give children a clear rationale for completing their work.

We maintain a high level of subject knowledge of Science in our school through regular training and discussion with other teachers at cluster meetings.

In our school we strongly encourage all pupils to use specific topic related vocabulary. Which are given to the children at the beginning of each term.

In order to allow children to remember key skills, children revisit certain skills during the course of a key stage using methods that are familiar to the children in our school.

With effective subject management we are a well-equipped and resourced school.

The same quality of work is expected across all subjects which leads to higher standards and outcomes. Whilst promoting independence.

Trips/ visitors booked for the children will be of high quality. The intention of such trips is to provide the children with cultural capital and to give them experiences that enhance their learning.

### IMPACT

The subject leader and SLT have a clear understanding through monitoring teaching and learning by carrying out Learning walks, looking at the children's work, teacher data and through pupil voice discussions.

Pupils are quickly supported with the most appropriate intervention if progress is not at the expected standard. Pupils are monitored regularly to ensure continued success and progress.

All children make good progress in Science.

Children become increasingly independent in science, selecting their own tools and materials, completing pupil lead investigations and choosing their own strategies for recording.

The impact of the school's curriculum can be seen in the children's books. Work in books shows good coverage of all the topics and progression in both knowledge and skills.

The subject is regularly reviewed through an action plan and the findings are reported back to the Head teacher.