



St Nicholas' Primary and Nursery School

Live, Love, Learn & Be Happy

Science

Curriculum Intent

At St Nicholas' school we want our children to be curious about the world they live in. Our curriculum has been planned by staff to ensure full coverage of the national curriculum and to foster a wonder of the world they live in. We are committed to providing a stimulating, creative and engaging science curriculum through weekly lessons, outdoor activities, visiting scientists and a science/stem week.

Throughout our school children are encouraged to use a range of working scientifically skills including questioning, researching, observing and drawing conclusions. We want our children to have a broad vocabulary developed through enquiry based discussion, investigation and research. Scientific language is taught and built upon as topics are revisited in different year groups. We intend to provide all children in our school with a broad and balanced curriculum.

Implementation

- Planning is in line with the National Curriculum so that teaching and learning show progression across all key stages with a focus on scientific knowledge and conceptual understanding, science processes and methods and the uses of science today in the real world.
- Teaching and learning should plan for practical investigative opportunities within Science lessons.
- Children have access to key language and meanings in order to communicate their understanding in a scientific manner.
- Children will use a range of resources to develop their scientific learning and enquiry skills. These will include physical resources as well as opportunities to engage in science shows, visits, talks and STEM weeks.
- Children will reflect on previous learning and cross curricular links will be made if possible. Questioning and enquiry based learning will be implemented by teachers.
- Attainment will be assessed each half term using teacher assessment based on observations, work and discussions with children during lessons.

Impact

- Most children to achieve age related expectations in Science at the end of their cohort year.
- Children will retain knowledge that is pertinent to Science with a real life context.
- Children will be able to question ideas and reflect on knowledge and make connections.
- Children will work collaboratively and practically to investigate and experiment.
- Children will be able to explain the process they have taken and be able to reason scientifically using scientific language.
- Children will develop an enjoyment and interest in science and scientific enquiry.
- Children will have opportunities to excel in this subject.

Acceptance

Appreciation

Caring

Creativity

Encouragement

Forgiveness

Honesty

Independence

Inspiration

Kindness

Respect

Teamwork