

Science: Intent, Implementation and Impact

Science Intent

Shurdington C of E Primary School has a good reputation for the teaching of Science, as stated in our last Ofsted. It is important to maintain this level of quality teaching in Science.

Therefore, the intent of our Science curriculum is to:

- Ensure all children have regular opportunities to work scientifically, including experimentation
- Ensure all children have the balance between learning scientific skills and knowledge
- Allow children to combine their knowledge of Maths and English with Science
- Allow children to experience scientific enquiry outside of the classroom
- Develop childrens scientific vocabulary

By the end of Key Stage 1 our children will have covered the subject content of the National Curriculum by concentrating on plants, animals, including humans, everyday materials and their uses, seasonal changes, living things and their habitats and working scientifically.

By the end of Key Stage 2 our children will have covered the subject content of the National Curriculum by concentrating on: plants, animals, including humans, rocks, light, forces and magnets, living things and their habitats, states of matter, sound, electricity, properties and changes of materials, earth and space, evolution and inheritance and working scientifically.

The Science curriculum supports the following areas of our 'Shurdington Experiences' (agreed experiences we want all children to take part in before they leave our school):

- Sit around a campfire
- Feel good about themselves and feel proud
- Go to a woodland/Forest schools

Science Implementation

All children will receive a whole morning of Science based learning every week. This will include scientific knowledge, working scientifically and opportunities to combine their scientific, mathematic and English knowledge. The curriculum map detailing what is taught in each year available on our website.

This will be supported by opportunities to learn outside of the classroom, including forest schools and extra-curricular activities which will be free to participate in.

Science Impact

The impact for our Science curriculum will be measured through our Knowledge Stems, the standard of performance across the school and termly assessment detailing if the children are working below, at or above age expected outcomes.