



## Science Curriculum Statement

### Intent

At Creswell Infant and Nursery School we aim for the children to be given the opportunity to carry out their own experiments, inferring their own conclusions and understanding the relevance of their discoveries in the world in which they live. Our science curriculum is accessible to all and ensures that all learners progress in their scientific knowledge. It introduces children to the language and vocabulary of science and provides regular opportunities for them to use the scientific terms necessary to communicate ideas about science.

The pace of technical change and scientific discovery is accelerating quicker than at any time in history. We believe it is vital that we provide children with opportunities to become explorative in their scientific discoveries. Our science curriculum encourages children to become enquiry based learners. This will enable them to be able to accept and utilise the discovery in new advances in technology and science in order to prepare them for careers in industries that have not been invented.

### Implementation

Teaching and learning follows the National Curriculum in KS1 and the Early Years Foundation Stage Curriculum in Foundation 1 (Nursery) and Foundation 2 (Reception). Curriculum overviews show which topics are taught in each year group and each term. Progression grids have been created to show progression in skills, knowledge and vocabulary across FS and KS1. Teachers regularly plan to develop the pupil's scientific enquiry skills.

Cross curricular links are made where appropriate so that children will be able to question their learning and build on their ideas for example through English, Maths and integrated learning. Teachers plan topic related vocabulary to be taught using three tier method. Children are exposed to high quality texts to introduce them to more sophisticated and mature language. To develop creativity and critical thinking teachers ask challenging questions and encourage original thinking about Science in the everyday world.

Wherever possible trips and visitors will be organised to increase a child's science capital and science knowledge. All children will have access to outdoor learning (including Forest School area) for Science activities. Learning about science in our own school grounds helps

children to learn about our world and how to live respectfully (for example, developing respect for the environment and living things).

## **Impact**

At Creswell C of E Infant and Nursery school, the impact of our science curriculum is shown in several ways for example, the progress and outcomes of pupils in line with national assessment and reporting requirements. In addition, pupil voice and the quality of work in pupils' books demonstrates the deeper impact on pupils knowing and remembering more. Pupil voice shows that pupils are confident and able to talk about what they have learnt using specific science vocabulary. Pupil voice also demonstrates that pupils enjoy and are able to recall their learning over time. Pupils' work demonstrates that the curriculum is taught at an age appropriate standard across each year group with opportunities planned in for pupils working at greater depth. Work across the curriculum is of good quality and demonstrates that pupils are acquiring knowledge, skills and vocabulary in an appropriate sequence so that they know more and remember more.