

## Implementation and Intent Statement for Science.



### Progress

Children start each topic with a “What do I know?” session, and at the start of each lesson the learning from the previous lesson will be revisited. We use a display to promote children’s independence, including key vocabulary or misconceptions. At the end of the topic the children will complete a mini assessment.

We will use a variety of teaching and learning styles to ensure that all children are able to achieve within lessons. Children with additional needs will be supported accordingly. We will ensure that children are challenged appropriately.



### Content and Sequencing

Science is taught in weekly lessons. We teach topics with full coverage of the National Curriculum and ensure that these topics are revisited. Prior learning is built upon and misconceptions are addressed. In the EYFS Science is part of much of their learning, such as seasons, materials and plants.

Relevant vocabulary is taught and used through lessons and knowledge organisers with reference to our progression of vocabulary document.

Teachers use our progression of skills document to ensure previous concepts are built upon and that children’s knowledge is deepened within each year group.



### Enrichment Activities

We want children to experience a wide range of experiences within their learning, such as visits from Scientists, trips and visits outside of school. Every year we celebrate British Science week and provide opportunities for participation across our federation, involving our parents, carers and wider community too. We will promote opportunities to have animal visits and also have a planting and growing area within school. We will explore opportunities from relevant Scientific bodies such as the Royal Microscopical Society, the Primary Science Teaching Trust and others.



### Cross-Curricular Links

We believe that Science is all around us, and we want children to recognise this too.

To that end we aim to utilise the natural links across the curriculum for example in P.E lessons when thinking about our joints and muscles, or healthy eating lessons within Design and Technology. Links can also be made within our Geography lessons, thinking about habitats and environments around the world, History when learning about the Scientific advances that have been made and also within our English lessons using our Power of Reading texts that include aspects of Science which can be enjoyed. These are but a few examples.