



Science

Children will develop a healthy curiosity in the worlds and the universe around them. They will have a foundation for understanding the world in which they live. They will promote a respect for living and non-living things. Children will understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.



A **broad** and **balanced** Science curriculum that has been mapped out **sequentially**, enabling children to build on prior learning and make connections between concepts, skills and knowledge. For example, in Reception children will plant seeds and care for growing plants while in year 6 they will describe the life cycles of different plants and how they reproduce.

Our curriculum is **inclusive**, ensuring we meet individual children's needs whilst also promoting an empathic culture. For example, children are taught the values of collaboration, sharing and leadership. Within lessons, assessments inform teaching staff of next steps of learning.

Reading is at the heart of our curriculum as we appreciate the successes that can be gained from being a fluent and avid reader. In Science, children are reading scientific instructions as well as data in the form of tables and graphs.

Opportunities for practising and **securing basic skills** across key subject areas are embedded and it is an expectation that these skills are applied and developed.

Oracy is given high priority within our curriculum as it is essential for many of our children to accelerate in this area and leave our school having the necessary skills to be articulate, express themselves and have a secure knowledge and understanding of the National Curriculum expectations and beyond. In science, there is a clear progression of vocabulary and sentence stems will be used to describe scientific processes, which are also progressive across year groups. For example, in year 2 children are expected to write "My investigation is about ..." whilst in year 6 they would write "The question I will try to answer is ...".

Children will have a **wealth of opportunities** to develop skills, knowledge and understanding beyond the classroom for example visits to Scotswood gardens, Centre for Life, Stem activities across the West Trust and Science Club.

We absolutely value Personal, Social, Health and Economics as an isolated subject and also recognise the need to root PSHE within our full curriculum offer. There are several Science links; for example, living in the wider world - caring for the environment and human body development. It is important to us that we champion all of our children so that they can flourish, be positive, safe, happy and successful citizens of society.