

# Curriculum Intent - Science

## The Science Curriculum:

- gives children the opportunity to create a love of understanding the world around them.
- through developing curiosity, questioning and investigation skills, science allows our children to become resilient learners that have a positive attitude towards science through being given experiences within the real world and lessons taught within contexts that are appropriate and that give the learning purpose
- Has clear progression in the content knowledge and subject specific skills taught with explicit links made that allow the pupils to understand the connections between ideas to develop a deeper subject knowledge across the curriculum.

Develop scientific knowledge and conceptual understanding through asking questions and collaboratively asking questions.

Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.

To be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future

To know and use relevant scientific vocabulary through each topic

To know and use the different science disciplines (Biology, and Chemistry and Physics) where there learning fits into this.

Give first-hand experiences through investigations to allow children to collect, analyse and communicate their findings to widen their understanding from seeing and experiencing it.

Children to explore the importance of teamwork and the value of different perspectives and ideas through STEM challenges.

Give children the knowledge and skills to explore and investigate beyond their own experiences gaining an understanding of the world around them.

Academic

Social

Emotion

Empower all pupils to understand their emotional selves and become self-regulating, self-motivating individuals who are equipped to understand how to problem solve through questioning and discussions.

To give children the opportunity to form their own opinions on science in the wider world, including being able to make their own choices and opinions using science to help them make informed choices.

Have high expectations and aspirations to meet the needs of all learners in our community. Any barriers to learning are identified and the science curriculum is adapted to ensure all pupils share the same curriculum, with the same level of ambition and expectation to realise their own potential.

"Different journey - same destination"