Science at Naunton Park Primary School

NAUNTON PARK DRIVERS:

CHALLENGE curriculum and Values
(Kindness, Pride, Peace, Curiosity, Empathy, Trust)

- Naunton Park's Science curriculum Naunton Park's lessons are **child centred**, teaching children the fundamental disciplinary skills and substantive knowledge needed to be successful in their scientific development. We aim to promote a **love of learning,** developing a **curiosity** about the world around them and a desire to find out more.

- **All children produce quality work** and are encouraged to take **pride** in their learning. With support, enriched teaching and learning, we promote **achievement for all** and ensure that our lessons are **inclusive**.

- We aim to **grow children's minds**, helping them to understand more about the world around them and building up an extended specialist vocabulary. Our curriculum is carefully designed so that the children learn more and remember more.

- We focus on developing pupils' enjoyment and interest in science, helping them to foster an appreciation of its contribution to all aspects of everyday life, developing concern about and actively caring for our environment. We help develop and extend our children's scientific concepts of their world and promote a healthy lifestyle for our pupils.

- **High quality texts** are chosen to enrich science learning.

The Big Ideas

Both disciplinary and substantive knowledge are fundamental aspects of learning in science.

The curriculum is planned to be taught in small manageable chunks, allowing children to develop their conceptual understanding over time and avoiding overloading their working memory.

Language development is a key aspect of learning in Science. Key vocabulary is identified for each piece of learning and is taught explicitly.

Sequencing of Content

The subject content is progressive through each year group and allows children to access and build upon prior skills and knowledge.

Links between areas of the curriculum are made explicit to children e.g. using tables to represent their results.

Opportunities for pupils to practice their learning and consolidate their understanding are carefully planned.

Deepening Concepts

Concepts are explicitly discussed, taught, explored and referred to during teaching, teacher demonstrations, practical work and retrieval quizzes.

Misconceptions are identified and addressed explicitly.

Retrieval Practise

Never heard the word grids are completed by pupils prior to the teaching sequence and again afterwards.
Children take part in regular mini-quizzes and retrieval activities to strengthen their memory.
Remembering information and knowledge is celebrated and is part of our culture.