CRADLEY CE PRIMARY SCHOOL

Science
Intent

Develop scientific knowledge and conceptual understanding.

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.

Be equipped with the scientific knowledge required to understand the uses and implications of Science, today and for the future.

Develop the essential scientific enquiry skills to deepen their scientific knowledge.

Develop curiosity, creativity and independence.

Use a range of methods to communicate their scientific information and present it in a systematic, scientific manner, including I.C.T., diagrams, graphs and charts.

Ensure working scientifically skills are built on and developed though out school.

Develop a respect for the materials and equipment they handle with regard to their own, and other children's safety.

Ensure curriculum is sequenced using skills and knowledge progression documents and is accessible to all children.

PSHE and British Values links to be addressed through age related Animals, including humans topic and key individuals.

Implementation

Children encouraged to ask questions.

Teachers to create engaging lessons, with high quality resources and using precise questioning that support and challenge all abilities.

One year cycle covering skills and knowledge.

Mixed age groups in KS1; dedicated year group teaching for KS2

Use assessment to identify gaps in learning.

Build upon this learning using whole school overview, skills and knowledge progression documents.

Working scientifically to be embedded in lessons.

New vocabulary to be discussed and used in Knowledge organisers

Curriculum to be enhanced through educational visits, inviting those involved in the real life science world into school, whole school Science week, competitions and workshops. Gifted and Talented identified and involved in these workshops.

Impact

Track progress through the Foundation Grids, End of Year judgement, learning walks and pupil interviews to ensure subject knowledge and skills are consolidated before moving forward and to allow teachers to inform planning in light of this evidence.

Children will acquire age related knowledge but also the skills to move forward.

Children will have a richer vocabulary.

A fun and engaging curriculum will provide the children with the foundations and knowledge to understand the world.

Children will learn through first hand experiences and link these to everyday life.

Children will aspire to have future role in a Scientific work place.