

Lane Green First School Science Curriculum

Vision for Science

Intent

Our inspiring science curriculum endeavours to build within every child the confidence to explore their natural curiosity about themselves and the world around them. This is fostered through exciting, practical and hands-on experiences that progressively develops their scientific knowledge and vocabulary. We believe that successful scientific encounters will be thought-provoking to ignite further questioning because when our minds are open, anything is possible.

Implementation

Every lesson starts with a question to be explored.

Mini hooks/thematic approaches are used to engage our pupils.

Hands on approach with many opportunities for practical investigations.

Opportunities for outdoor and out of classroom learning.

Scientists of the Week -showing appreciation of the subject through rewards and praise.

Variety of ways to record findings and new learning.

Scientific vocabulary to be in books and displayed in the classroom.

Embedding learning by revisiting prior knowledge.

Cross curricular links.

Collaborative work.

Impact

Planning - Is there coverage of the key skills? Is progression evident between year groups? Is there a clear sequence? Are activities differentiated to support our SEN pupils? Does the planning include a thematic approach for each unit of work? Are there opportunities for outdoor learning? Are children to have hands-on opportunities to see science in action?

Monitoring of planning and books - Does the children's work in books reflect their understanding? Are classes delivering lessons consistently so that every child has the same experience? Are children recording their work in a variety of ways? Are photographs used as evidence? Are children applying new vocabulary taught in their scientific 'write ups'?

Pupil voice - Do children enjoy Science? Are they excited by lessons? Do they have a passion for why things happen? Are they learning new skills/building on previous learning? Do they remember prior learning?

Environment - Is children's work celebrated? Is every class celebrating Scientists of the Week? Are key scientific words apparent in the classroom? Are events displayed in chronological order?