



## Our Approach to teaching.....

### Science

Science is taught throughout school using the cross-curricular approach of Project Based Learning (PBL). All science teaching is linked to class topics and in some topics is the main focus of learning.

Science teaching and learning is purposeful and encourages children to be independent thinkers who have a desire to ask questions to find out more and further their own learning.

Science objectives are included in long term planning and in greater detail on medium term topic planning across all key stages. Some topics use big questions to spark children's thinking these are linked to real life and children's experiences.

Teaching and learning in Science should inspire a curiosity and enthusiasm in children to make them want to explore and investigate. We use a progressive approach to investigations which begins in foundation stage developing children skills as investigators as they progress through school. The investigation house uses a familiar format which children use to record their work throughout school.

This approach firstly focuses on children's observation skills and their ability to communicate what they have seen and experienced. The next step is to involve children in the planning process by presenting a question for them to investigate. Children are encouraged to be independent in choosing the equipment they may need and how they may tackle the question. By the end of KS1 children develop fair testing skills and choose how to make a test fair by choosing one variable to change. Throughout KS2 children are encouraged to plan, record, reflect and ask questions throughout their investigations presenting their findings using ICT, literacy and data handling skills.