



Our philosophy for effective teaching and learning in Science is firmly based on research evidence and follows a mastery approach, where pupils acquire a deep, long-term secure and adaptable understanding of the subject.

Tasks are carefully set so that children are always *thinking* about the *scientific learning*.

Strong subject knowledge is supported through excellent subject knowledge resources for teachers.

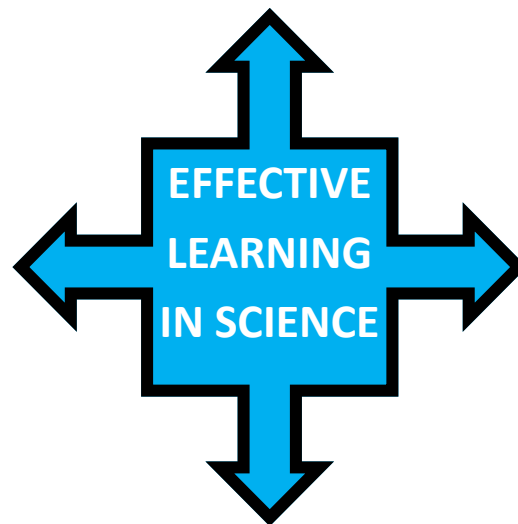
Trips are used to develop scientific understanding beyond the curriculum.

PLAN documents are used to identify and address potential scientific *misconceptions*.

Learning Walls display the current learning and promote key *scientific language*.

Scientific vocabulary is developed as children work through the curriculum.

Learning Review gives learners an opportunity to revisit knowledge taught in previous terms and year groups.



Physics, Biology and Chemistry strands are built *sequentially*.

Learners complete *Pop Quizzes* and *Thinking Squares* to ensure their key knowledge is recalled and embedded in long term memory.

Pupils work scientifically, through a range of experiments *and investigations*, from Nursery to Year 6.

Children are engaged and inspired scientists.