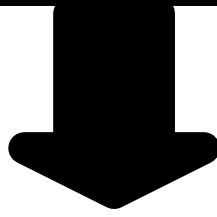


# SCIENCE AT AT LANGFORD, FULHAM, QUEEN'S MANOR, SULLIVAN AND WILBERFORCE



*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 and potential scientific **misconceptions**.

**Scientific vocabulary** is developed as children work through the curriculum.

EFFECTIVE  
LEARNING IN  
SCIENCE

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

**Early Morning Learning** gives learners and opportunity to revisit knowledge taught in previous year groups.

Physics, biology and chemistry strands are built **sequentially**.

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

Pupils work scientifically, using a range of **experiments**, from Nursery to Year 6.