Subject Leader: Mrs Sam Green

SCIENCE at Brabourne

Science teaching and leaning is practical and hands-on. Pupils are encouraged to learn new skills and knowledge though doing and exploring Key Questions and Concepts. Experiences are then shared and reviewed as a class to establish key scientific facts.

Science learning is valued and celebrated through assemblies, classroom displays, a whole-school science area and science rewards and certificates.

Science weeks and STEM focus weeks are timetabled as extra science enrichment throughout the pupils' time at Brabourne.

Links with local secondary schools allow pupils to use science laboratory equipment to aid transition to secondary school.

Pupils can visualise their scientific learning journey at Brabourne through the Science Learning Journey poster.

Pupils learn the Big Ideas of Science whilst at Brabourne. These are visited throughout each topic of learning. Pupils leave primary knowing all of the Big Ideas of Science.

The Science curriculum forms a spiral curriculum, building upon the Key Concepts of Biology, Chemistry and Physics. Pupils revisit and build upon these concepts, revisiting knowledge through the use of mind-maps.

Practical and engaging science clubs take place throughout the school year, giving further enrichment after school.

Pupils study key scientists as part of each unit of study.

A range of science trips, workshops and visitors facilitate both curricular and extra curricular science learning.

Pupils and staff created a whole school science vision and set of science principles which underpin all science teaching and learning.

All learning is inclusive of different learning styles and incorporates pre-taught vocabulary, differentiated activities, varying activities (practical, observation, scaffolded writing frames) for recording work .

Mastery in Science is achieved through a well-sequenced and engaging program of study. Children are encouraged to develop a rich scientific vocabulary and to apply their knowledge and skills to solve problems and explain observations. They are taught to use their acquired knowledge to represent concepts, using objects, pictures, models and analogies.

A range of science trips, workshops and visitors facilitate both curricular and extra curricular science learning.

The outdoor environment, and our unique position in the North Downs, is fully utilised as part of our science programme, including the use of the school garden, woodland and pond.

And much more…..!