

Science Teaching and Learning at Baynards Primary School

Intent

Our intent at Baynards Primary school is to develop the children's love and interest in science.

We teach NC required science content through an investigative and exploratory approach to inspire the children and spark excitement and enthusiasm about their environment, physical processes, the human body and forces.

We work through structured science activities ensuring we revisit key concepts and knowledge to promote memory skills.

We promote that children take ownership of things they would like to investigate within the Curriculum and open up awareness of the future prospects that science can hold for them.

We teach science content and skills in an interesting and interactive way from EYFS to Year 6.

We encourage knowledge and use of the correct scientific vocabulary and terminology through specific teaching and consistent use of scientific words by teachers and TA's

Implementation

At Baynards Primary school we want to make learning memorable so that the children have a deep understanding of science content and scientific method. We put a great emphasis on the practical processes of science and use topics, the interests of the children, the outdoor environment and carefully planned science sessions to promote learning. Children are taught scientific inquiry through:

- investigations – performing simple tests
- identifying and classifying
- gathering and recording data to answer questions.
- making observations using simple equipment
- using observations to suggest answers to questions

Teachers are aware of the desired intent and impact of the science curriculum and have the autonomy to plan their own implementation based on the children in their class.

Teachers are interweaving skills and knowledge throughout the term to aid memory skills and promote an understanding of links and patterns in science and other areas of the curriculum such as Maths and English.

Teachers and TA's are encouraged to develop their own knowledge through using support such as Hamilton science schemes, Reach CPD and Explorify.

Impact

The impact of our teaching at Baynards Primary school will be to

- enable learners to develop the knowledge and skills required in the National Curriculum.
- encourage children to take ownership of learning (**initiative**)
- develop their awareness that science processes are all around them, affecting their everyday lives (**health and well-being**)
- make the children aware that by exploring, classifying, investigating, recording and reporting they are behaving as scientists.
- promote awareness of scientists in all areas of science and future career paths they might like to take. (**possibilities**)
- enhance English and Math skills by having high expectations of recording and reporting techniques.