Burnham on Crouch Primary School
Connected to our world

Science Intent, Implementation and Impact Statement.

Intent:

At Burnham on Crouch Primary School, our vision is to give children a Science curriculum which enables them to explore and discover the world around them to create a deeper understanding of the world that we live in. To achieve this we ensure that science in our school includes practical experiments which create a sense of wonder.

Our aim is to create future thinkers that are ambitious and want to extend their scientific knowledge and vocabulary. Our curriculum aims to broaden the children's scientific view of the world around them, whilst promoting a love for enquiry and wanting to explore new things. It gives them the chance to learn a range of skills which they can use throughout their life, through a range of experiences. We will harness and challenge their scientific skills to equip them to become young, confident scientists of the 21st Century.

As a school we are delighted to have achieved the Primary Science Quality Mark, a nationally recognised award which celebrates a commitment to excellence in Science teaching and learning.

We believe that everyone is a scientist!

In the science curriculum, topics are often revisited and developed through different key stages. This allows children to build upon their prior knowledge, develop their curiosity and embed essential knowledge into their long-term memory.

Implementation:

In EYFS, every term includes at least one class investigation question which children explore in adult led sessions, developing their skills in suggesting ways to find answers, predicting what will happen, observing and explaining. There are also frequent opportunities for children to pose their own questions and explore ways to answer them.

In KS1, every lesson has an element of scientific enquiry developing one or more working scientifically skills. Children are given opportunity to observe and explore real items wherever possible and to pose and answer their own questions. Each unit also includes one full investigation where children apply their knowledge and a range of scientific skills. Review of previous knowledge and a specific focus on scientific vocabulary are features of all units.

In KS2, scientific enquiry skills are delivered systematically allowing them opportunities to observe, explore, investigate, research and communicate their ideas. Each unit has an opportunity for child-led enquiry, helping them to develop their understanding of scientific ideas and begin to make sense of science as a way of finding out about the world.

Impact:

The impact of this curriculum design will lead to outstanding progress over time, across key stages, relative to a child's individual starting point and their progression of skills. Children will therefore be expected to leave Burnham-on-Crouch Primary School reaching at least age related expectations for Science. Through various workshops, trips and interactions with experts our Science curriculum will lead pupils to be enthusiastic Science learners and understand that science has changed our lives and that it is vital to the world's future prosperity. We want to empower our children so they understand they have the capability to change the world. This is evidenced in a range of ways, including pupil voice, their work and their overwhelming enjoyment for science.