

Carnforth Christ Church C of E Primary School

SCIENCE INTENT STATEMENT

Mission Statement

Christ Church C of E Primary School is a vibrant, stimulating and caring educational community which exists to celebrate the uniqueness of every person, made as they are in the image and likeness of God.

Rationale

At Christ Church C of E Primary School, we understand that children hold a natural curiosity about the world that they live in. From a young age, they develop and deepen their own understanding through first-hand experiences, exploration and play. These experiences allow them to form their own conclusions about reactions, patterns and rules.

We therefore work with children, through our Science curriculum, to encourage and nurture this natural inquisitiveness, whilst equipping children with the essential skills to challenge and further develop their own understanding of the world that they live in.

This collaborative approach allows children at Christ Church C of E Primary School to deepen their respect, care and appreciation for the natural world and its phenomena.

INTENT:

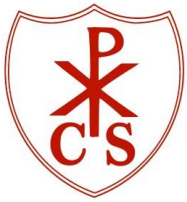
We intend our Science curriculum to:

- Broaden children's understanding of what Science is, what it can look like and what it can involve.
- Foster a positive attitude towards Science, developing an excitement, awareness and appreciation for the potential of scientific enquiry.
- Further develop children's natural curiosity about the world they live in, encouraging children to reflect on their current knowledge and ask questions which will further their understanding.
- Equip children with a range of skills that allow them to confidently launch their own enquiries, analyse the data, form their own arguments and explain concepts. This includes working as an individual and as part of a larger group.

IMPLEMENTATION:

To achieve our intentions, we:

- Use the local environment and amenities to highlight the presence and importance of Science within our wider world. For example, in teaching children about animals and habitats, they may learn about those who work at local RSPB site, Leighton Moss, and the work that they do to utilise and diversify the land to create suitable habitats.
- Provide opportunities for children to experience exciting experiments which bring about a



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sense of wonder and awe. We then use this as a tool for unpicking concepts, teaching key vocabulary and creating 'sticky' knowledge.

- Provide regular opportunities throughout units of work for children to raise their own questions, (starting with 'What if...?' questions in KS1/LKS2, relating to variables e.g. What if we tried milk instead of water? Children in UKS2 begin raising their own questions to explore).
- Provide opportunities to explore the five lines of Scientific enquiry throughout our topics, modelling appropriate selection and preparing children to be able to select appropriate enquiry types to answer their own questions in UKS2.
- Ensure that children are provided regular access to good quality science equipment, modelling appropriate selection of materials, preparing children in UKS2 to select their own equipment.

IMPACT:

Through these implementations, the impact on the children is:

- Children have a well-rounded view of what Science/Scientists look like, what their work place can be like and what type of work they might engage with.
- They are well engaged in Science, asking meaningful and well considered questions that shape their investigations.
- Children develop 'sticky' knowledge that they remember beyond the individual lesson and can discuss confidently.
- Children understand how to accurately explore and answer their own questions. They are confident in utilising a range of skills and knowledge to set up appropriate investigations which may shape their understanding of scientific concepts and/or arguments, supported by first-hand experience.

Monitoring

Our curriculum is reviewed and monitored on an annual basis in the Summer Term. This statement of science intent will be reviewed every three years, in the Autumn Term, to reflect any changes made to the curriculum.

Mrs Ashlea Unsworth
Science Subject Leader
October 2020