

Curriculum Statement for Science

Science Intent

At Highbury the intention of the Science curriculum is to enable children to gain knowledge and an understanding of scientific concepts and discoveries. The approaches to gaining knowledge and understanding about scientific concepts through quality first teaching, experimentation and first hand experiences. In the science curriculum, there are equal opportunities for all children to engage in new experiences, children from all backgrounds including disadvantaged should have the same opportunities using our school values to promote positive attitudes to learning and developing a growth mind set for all.

Implementation of Science

At Highbury the science curriculum is mapped out across the whole school using the National Curriculum guidance, this is detailed in the whole School Curriculum Overview which maps out all the themes for each year group. The Science Curriculum is planned with a progression of key skill and concept with key vocabulary taught explicitly. This progression takes into account prior learning and consolidates the key skills. The children learn the following scientific skills:

- Inquiring skills
- Practical and investigational skills
- Observational skills
- Recording and analysis skills
- Identification and classification skills

The Science curriculum promotes reading and communication skills so children are able to apply their English skills and have the opportunity to write for a range of purposes using scientific knowledge, understanding and vocabulary.

Impact of the science curriculum

Children will be learning the key scientific skills building an understanding of prior concepts and can use their literacy and computing skills to record accurately and communicate their discoveries or findings. The Children will be given the opportunity to practical discovers concepts form them self. This will allow them to know more and remember more about scientific concepts, so that they are ready for the next stage of their learning at Highbury and when they leave to start their secondary education. The children will leave Highbury with a greater awareness of scientific concepts and a more developed enquiring mind allowing them to draw their own conclusion about the world around them. Their curriculum experiences will have allowed them to gain an understanding of the world around them and of past discoveries in science that impact the world today.

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