



Curriculum Statement for Design and Technology

Design and Technology Intent

At Highbury the intention of the Design and Technology curriculum is to enable children to be engaged, inspired and challenged by equipping them with the knowledge and skills to research, design, make, evaluate and improve their own designs and products.

Knowledge and key skills in relation to Design and Technology are taught through the opportunity to experiment with and explore materials, while building on the understanding and techniques required to design and make products for a wide range of users. The children are given opportunities to test and evaluate ideas and products of both themselves and others as well as understanding the key principles of food preparation and nutrition. The Design and Technology curriculum provides equal opportunities for all children to engage in new experiences; children from all backgrounds 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 Design and Technology

At Highbury the Design and Technology 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 area of Exploring Media and Materials is considered within the EYFS. The Design and Technology Curriculum is planned with a progression of key skills and key vocabulary which is taught explicitly. This progression considers prior learning and consolidates key skills. The children learn the following Design and Technology skills:

- To analyse existing products and design briefs,
- To design, create ideas and communicate these through different mediums,
- To execute practical skills such as measuring and tool use,
- To evaluate theirs and others creations,
- To problem solve and overcome challenges.

All design projects follow the Design and Technology process of:
Research, Design, Make and Evaluate.

The Design and Technology curriculum has strong cross-curricular links to science, art and mathematics as well as promoting reading, communication skills and providing opportunities to write when analysing and evaluating their own ideas and products using design criteria and technical vocabulary.

Impact of the Design and Technology Curriculum

Children will be learning to use a range of tools and equipment accurately, to create products which are linked to termly themes within each year group. This will allow them to develop their creative skills, becoming more proficient in a range of techniques including cooking, 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 a range of relevant contexts for example culture, enterprise and industry. Their curriculum experiences will have allowed them to gain an understanding of the process of designing and making and how Design and Technology both reflects and shapes our history and how key events and individuals have helped shape the world we live in.