

How Design Technology is taught at Moorfield Primary School

Intent:

Design Technology at Moorfield is fully inclusive for every child. We aim to provide a broad and balanced Design Technology curriculum that ensures the progressive development of knowledge and skills as the children move through the school. Thus enabling them to explore their own ideas and develop the practical and creative skills to solve real life and relevant problems. Our children are encouraged to be blue sky thinkers in their approach to each project, learning how to take risks and to become resourceful, innovative and enterprising designers. Through evaluation of past and present design and technology our children develop a critical understanding of its impact on daily life and the wider world and can use the evaluation of these to design, make and evaluate their own ideas and products.

Implementation:

At Moorfield school the highest standards in the teaching and learning of Design Technology are consistently met through the progressive curriculum that we offer, allowing children to access the national curriculum framework as they build on existing skills.

Design and Technology is taught once every term and has cross curricular links to the class topic, with the exception of the Food and Nutrition sessions which stand alone. Across the school, Design Technology is taught over a two year rolling programme, labelled on the progression grids as Year A & Year B and in phases (Years 1/2, Years 3/4, Years 5/6.)

In Key Stage One, our Design and Technology curriculum offer is delivered in four categories to ensure that all children will complete a minimum of one of each projects by the end of Year 2. The categories are:

Cooking and Nutrition

Structures

Mechanisms

Textiles

In Key Stage 2, our Design Technology offer is delivered in five categories to ensure that all children complete a minimum of one Food and Nutrition project and two additional projects annually to allow them to build on their existing skills. The categories are:

Cooking and Nutrition

Structures including shell structures and Compute Aided Design (CAD)

Mechanical Systems using CAD

Textiles

Electrical Systems to include programming, control and monitoring.

Our Design Technology projects are delivered by teachers who are provided continued access to ongoing training and support from the Design Technology Association of which the school is a member, and their recommended external Design Technology specialists delivered via workshops, provided for students and staff. Design Technology focused staff meetings take place regularly allowing staff to share good practice and evidence learning ensuring that all staff are aware of the prior and post learning of their students to further support progression of all pupils as they build their Design Technology skills.

Impact

Our Design Technology curriculum offer is well thought out, high quality and is planned to demonstrate progression focusing on progression of knowledge/skills and discreet vocabulary progression for part of the units of work.

We measure progress through the following methods:

- Informal assessment of children's understanding of topic linked vocabulary before and after the project is taught.
- Summative assessment using pupil voice.
- Images and videos of the children's practical learning which is updated, monitored and shared by the Design Technology subject lead.
- Marking of work in books with 'Book looks' held termly by the Design Technology subject lead.
- Annual reporting of the standards of each child across the curriculum.

All children will leave Moorfield School with the practical and analytical skills which will allow them to access fully and contribute with confidence to the increasingly technological world in which we live along with a shared enjoyment and enthusiasm for the subject of Design Technology which they can build upon as they enter Key Stage 3.