

Crabtree Farm Primary School

Design and Technology Intent, Implementation and Impact

At Crabtree Farm, through an engaging DT curriculum, we aim to inspire our children to become the next engineers, designers, chefs, and architects.

Intent

We want our children to love Design and Technology. We want them to have no limits to their ambitions. We want our pupils to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs. We ensure that links are made in a cross-curricular way, giving children motivation and meaning for their learning. We want to equip them with not only the minimum statutory requirements of the Design and Technology National Curriculum but to prepare them for the opportunities, responsibilities and experiences of later life.

Implementation

- Design and Technology is taught using objectives taken from the National Curriculum. We teach DT skills discretely, making relevant cross-curricular links, and ensure all children access all areas of the Design and Technology Curriculum.
- Teachers follow a clear progression of skills which ensure all pupils are challenged in line with their year group expectations and given the opportunity to build on their prior knowledge.
- Children design and make quality products using a range of tools, materials, and components, make connections with their learning across the curriculum including in maths, computing, science and art, and reflect on and evaluate techniques using subject-specific vocabulary.
- To support teaching, staff have access to a range of resources and instant CPD.
- Underpinning our DT learning are the six interrelated principles of user, purpose, innovation, authenticity, functionality and design decisions. Each project will usually include Investigative and Evaluative Activities (IEAs); Focused Tasks (FTs); and a Design, Make and Evaluate Assignment (DMEA).

Impact

The measure of the impact of our teaching will be that, at the end of their Primary School journey, children will leave confident with a diverse range of DT skills and knowledge and a passion for creativity. Our children will be secure in their ability to create a broad range of DT projects, and confident in the knowledge that everything they create is meaningful and valid, with the potential to bring joy to themselves and others. DT at Crabtree Farm prepares children to participate in an ever-changing technological world and ensure they are ready for the next year/key stage of their education.