Why we teach Design and Technology at Coton Green Primary School

Intent:

At Coton Green Primary School, Design and Technology is an inspiring, practical subject which uses art, craft and design. In Design and Technology, we aim to encourage children to learn to think constructively and be creative in solving problems, both as individuals and as members of a team. At Coton Green, we encourage children to use their creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We aim to, wherever possible, link work to other disciplines such as Maths, Science, Computing and Art. Opportunities to reflect upon and evaluate past and present design technologies, their uses and their effectiveness are an integral part of this curriculum and children are encouraged to become innovators and risk-takers.

Implementation:

Design and Technology is a subject that can bring learning to life. At Coton Green Primary School, our curriculum links are an integral part of the planning and delivery of Design and Technology. Children are taught through Design and Technology projects once a term. These projects cover four strands: structures, textiles, mechanisms and food. They all follow the key steps:

- Design a purposeful, functional product for themselves or others based on a criterion
- Make using a range of tools, materials and components
- Explore & Evaluate ideas and products
- Build on their technical knowledge to build structures and explore mechanisms
- Cook and apply the principles of nutrition and healthy eating

Impact:

Children will have clear enjoyment and confidence in Design and Technology. They will understand more about Design Technology, demonstrating this knowledge when using tools or skills. Most children will achieve age-related expectations in Design Technology.

Through Design and Technology, children will have developed the ability to use time efficiently and work constructively and productively with others. They will have the ability to carry out thorough research, show initiative and ask questions to develop a detailed knowledge of users' needs. Children will act as responsible designers and makers, working ethically, using finite materials carefully and working safely. Children will have developed the ability to manage risks and to manufacture products safely and hygienically. As designers, children will develop skills and attributes they can use beyond school and into adulthood

Mrs Rawlings

Design and Technology Subject Leader