Design Technology at Buttsbury Primary School

At Buttsbury Primary School the **intent** of our Design Technology curriculum is to understand the design process involved in product development. Children will conduct research and experimentation to make informed decisions on materials and inspire design choices that best suit a range of purposes. The children will be taught to evaluate and adapt to the needs of the project and restraints of the materials used, becoming increasingly more confident in using a range of tools to make their products. Children will develop an understanding of technical vocabulary and our role within responsible resourcing.

How is Design Technology implemented at Buttsbury Primary School?

The Design Technology curriculum is broad and balanced and follows the National Curriculum. Children are given the opportunity to master their learning by ***'applying what they have learnt to a new situation'*** with cross curricular links to maths and science where they can apply their knowledge in context. Children are given rich, vibrant and meaningful opportunities within a curriculum that is ambitious for all learners.

Units of learning are blocked into strands, well sequenced and build on previous learning. Lessons ensure that progress is achieved through small steps, allowing children to develop their subject knowledge, consolidate skills and apply their learning.

In EYFS, children begin to develop their Design and Technology skills through the participation of "creation stations" in their classrooms and outdoor areas. Further strands in include Cooking and Nutrition, Textiles, Construction, Mechanical systems and Electrical systems.

At Buttsbury Primary School, Design Technology follows a process:

- Research – through engaging classroom-based research and educational visits, children develop awareness of products, materials and resources.
- Skill development – production processes and properties of materials.
- Designing – based on research and understanding
- Prototyping
- Building
- Evaluation of final product and process.

Across the process, children are encouraged to make informed design choices, evaluating every stage of the project. Topics and skills are progressive and develop the application of skills through complexity and expectation of the outcomes.

What is the impact of the Design Technology curriculum on our children?

Children develop a love of DT and enjoy all aspects of this subject. They develop an understanding of where resources come from, sustainability and recycling.

Through DT, children can understand the design process and show progression through their application and understanding of the process. Children grow in confidence and independence when completing design tasks and developing critical thinking.

As a result of our Design Technology curriculum, children are equipped with the necessary knowledge and skills for the next stage of their education.

What our children say about Design Technology

EYFS: "I like the mud kitchen."

KS1: "I can't wait to make my biscuits! I like Design and Technology because I liked making my healthy wrap."

Lower KS2: "I like DT because you get to use different materials and decorate the things that you make."

Upper KS2: "I like DT as you can make different things that are fun. I especially like the DT mornings."