

Design Technology at Buttsbury

At Buttsbury Junior School the **intent** of our Design Technology curriculum is to understand the design process involved in product development. Children will have the opportunity to experiment and make decisions on materials 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. Children will develop an understanding of technical vocabulary and our role in responsible resourcing.

How is Design Technology **implemented** at Buttsbury Junior School?

We have a broad and balanced Design Technology curriculum at Buttsbury Junior School where children are given the opportunity to master their learning by **'applying what they have learnt to a new situation'** and cross curricular links to maths and science where they can apply their knowledge in context.

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.

Strands in Design Technology include Cooking and Nutrition, Textiles, Construction, Mechanical systems and Electrical systems

At Buttsbury Junior School, Design Technology follows a process:

- Research – develop an awareness of the final produce and the materials and resources being used to produce them, including their properties
- Skill development – production processes
- Planning – 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 are able to understand the design process and develop critical thinking skills to make decisions about ergonomics, material properties, flavour pairings and stitching and joining options.

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

What our children say about Design Technology

Year 3: "I like DT because you get to use different materials and decorate the things you make."

Year 4: "DT is fun and exciting. I like doing the practical tasks that are involved."

Year 5: "I love DT, it is really interesting. I mostly love the discovery process and finding out what things do."

Year 6: "I like DT as you can make different things that are really fun. I especially like the DT mornings."