



Mastery in Design Technology at Buttsbury Junior School

Effective mastery in Design Technology encourages all pupils to be resourceful and to explore and evaluate properties of materials to create a product. They are aware of SMSC issues relating to the sustainability and recycling of materials and their collection.

Pupils create effective links across the integrated Design and Technology process which includes: research, design, creating a prototype, reevaluate, creating a final product and evaluation. The children are able to relate previous learning into wider facets of manufacturing and food production.

They are able to reflect on their designs and prototypes to identify problems and seek appropriate solutions. Children are able to evaluate their choice of materials and the making process, as well as work from their peers.

Pupils are able to select appropriate tools to create their products independently and explain their choices based on their knowledge of the design specification.

“Experts” are used in lessons to share specific skills to promote greater learning and understanding and develop methods for key manufacturing issues. As a result, children can apply facts and skills learnt to solve problems in the real world. Children are able to apply a range of practical skills from other subjects, including: accurate measurements, understanding of material properties and resourcing of materials.