



*'loving our neighbour and working together to be the best we can be, for the good of all'.*



## BARNWOOD C OF E PRIMARY SCHOOL

### DT Blueprint

#### INTENT

##### Our Vision

• Barnwood has a high quality DT Curriculum that develops children's problem solving skills. Children will be enabled to make sense of the processes in their environment and understanding of simple mechanisms.

In our DT curriculum at Barnwood, children will follow the process of design, make and evaluate.

At Barnwood, children will be given opportunities to reflect upon and evaluate past and present design technology, its uses and its effectiveness and will be encouraged to become innovators and risk-takers.

Children will engage in curriculum that will spark their curiosity and creativity through practical tasks and exploration.

Children will be immersed in rich and varied Design and Technology opportunities that will provide opportunities to apply and develop skills of planning, designing and making. It will allow children to develop their understanding of products, manufacture and use.

Children will be educated about how key events and individuals in design and technology have helped shape the world.

The iterative process of Design, Make and Evaluate will be the golden thread of Design and Technology curriculum.

Children will generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional diagrams, prototypes, pattern pieces and computer-aided design.

Children learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens.

Children will develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly challenging world.

#### IMPLEMENTATION

##### Our Pedagogy

Children will have opportunities to investigate and analyse a range of existing products.

A deeper understanding of where food comes from and of some of the ways that food can be processed and the effect of different cooking practices will be developed through Design and Technology lessons

Design and technology lessons will be taught as a block so that children's learning is focused throughout each unit of work.

Design and Technology is taught in a cross-curricular way through a variety of creative and practical activities. A high quality resource-DT association's projects on a page will be used across the school for quality teaching.

#### Our Outcomes

##### IMPACT

Children will develop resilience to evaluate and improve their own work and that of others using a positive and encouraging approach to making improvements.

Pupils will understand and apply the principles of nutrition and learn how to cook.

Children will 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.