



**Believe to Achieve! "Roots will grow down into God's love and keep us strong" EPH 3:17**

## Curriculum Statement for Design & Technology

At Brinkworth Earl Danby's we aim to provide a secure, happy and stimulating learning environment in which EVERYONE is valued, spiritual growth is nurtured and potential maximised.

We believe as a community that each child can reach their vocational potential. We believe each child is of unique worth made in the image of God. We believe in each child being the best that they can be and finding their place in the world.

We believe in

- A child's potential
- Being part of a community
- Being the best you can be

Our Christian values of friendship, trust, respect, courage, perseverance, and thankfulness help us build a firm foundation, enabling us to grow into strong people building a better world.

**Intent** – Our intention is that children will gain an appreciation of the design processes used within a variety of disciplines such as architecture, cookery and textiles. They will also gain understanding of the mechanical processes and techniques that can be utilised within design, along with the corresponding vocabulary to enable them to discuss how things work and how products might be improved. Children will be offered an opportunity to explore and express their own interests and experiences, in order to make the design process meaningful to them. They will develop competence at controlling a variety of materials and tools, and gain understanding of the importance of testing their ideas and developing prototypes, allowing them to refine and improve their initial products. Our intention is that children will develop an appreciation of the relationship between a product and its intended user, and an ability to explain how the two can influence one another. They will be offered opportunities for reflection concerning their own creations, allowing them to develop and improve ideas.

**Implementation** - A comprehensive DT programme of study is followed throughout the key stages, ensuring that children learn a progression of skills, in line with the requirements of the National Curriculum. Children are taught to work using the 'Design, Create, Evaluate' cycle. Each stage is rooted within technical knowledge, whether this relates to physical mechanisms, cooking methods or the merits and drawbacks of working with particular tools, materials and equipment. While projects generally have a specific 'end goal', emphasis is also placed on incorporating children's own ideas into the design process at any opportunity. Children are offered technical explanations and demonstrations, along with subject specific vocabulary to enable them to express their thoughts and ideas. Time is taken to ensure that children have an appreciation of the potential risks of working with different tools and materials and are able to manage these risks successfully to create products in a safe, hygienic way.

**Impact** – At Brinkworth Earl Danby's, we ensure the children will develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. They will build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users and critique, evaluate and test their ideas and products and the work of others. They will understand and apply the principles of nutrition and learn how to cook. A good quality finish will be expected in all design and activities made appropriate to the age and ability of the child. Children will learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world.