St Luke's RC Primary School

Design and Technology

Subject Intent

"Design and Technology is about designing and making things that people want and that work well. Creating these things is hugely exciting: It is an inventive, fun activity." James Dyson.

Design and technology prepares children to deal with tomorrow's rapidly changing world. It encourages children to become independent, creative problem-solvers and think as individuals and as part of a team.

At St Luke's, our design and technology curriculum is constructed to inspire children think innovatively and inquisitively. Using creativity and imagination, our pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs.
Children are given regular opportunities to develop their understanding of the technological world. They will evaluate past and present design technology and the ways these have influenced modern society. Our curriculum enables children to create a range of structures, mechanisms, textiles, electrical systems and food products. We aim to inspire our children to be engineers, designers, chefs and architects. The children are taught to combine their designing and making skills with knowledge and understanding in order to design and make a product. Procedural knowledge is taught progressively to ensure that all children are able to learn and practice in order to develop as they move through the school. Evaluation is an integral part of the design process and allows children to adapt and improve their product, this is a key skill which they need throughout their life.

Design and technology is delivered as a discrete subject and wherever possible, cross curricular links are formed. Design and technology links well with many other subjects, such as art, maths, computing and science and teachers carefully plan these links to ensure they are meaningful.

National Curriculum Aims

The national curriculum for design and technology aims to ensure that all pupils:

- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- 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

- critique, evaluate and test their ideas and products and the work of others
- understand and apply the principles of nutrition and learn how to cook.