# Curriculum Intent and Implementation – DT

## School Curriculum Intent

At St Peter's, every child will live, love and learn in an environment founded upon moral and Christian values; they will leave the school with the knowledge and skills to be lifelong learners and rounded citizens, and with the ability to make a positive contribution to their future society.

All that we do is founded upon a clear set of shared values, from which our motto is derived: Together We Believe, Aspire And Achieve.

## Subject Curriculum Intent

Design and Technology is an inspiring, rigorous and practical subject. It is the intent of St Peter's Primary School to prepare children to deal with tomorrow's rapidly changing world and encourage children to become independent, creative problem solvers and thinkers as individuals and part of a team. In our school we believe in developing an inclusive curriculum that gives every child the opportunity to develop their imagination and put their practical skills to good use. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.

At St Peter's, Design Technology will be taught in all year groups through at least one topic per term, making cross curricular links where possible. We want to allow our children to aspire to be more through creating opportunities for them in the wider world. Children learn to take risks, be reflective, innovative, enterprising and resilient. Through the evaluation of past and present technology they can reflect upon the impact of Design Technology on everyday life and the wider world.

## Threads of the subject

Through the DT curriculum, children should be inspired by engineers, designers, architects and chefs to enable them to make a range of structures, mechanisms, textiles, electrical systems and food products with a real life purpose. For each of these, the children will be taught to investigate, design, make and evaluate.

## What a child experiences in this subject going through St Peter's

The children will experience a range of teaching and learning opportunities, workshops and DT themed days. They will be given the opportunity to be actively involved in their learning and develop their confidence, thinking, creativity, resilience and independence. Our aim is to encourage the children to be strong, determined and able to persevere. We want them to be able to problem solve to find solutions and ways to improve their original ideas and not to be disheartened when things don't go to plan. Lessons will be practical and show progression of skills throughout the year groups.

The teaching of Design Technology across the school follows the National Curriculum through the use of Design and Technology Association's 'Projects On A Page' documents. Children design products with a purpose in mind and an intended user of the products.

Food technology is implemented across the school with children developing an understanding of where food comes from, the importance of a varied and healthy diet and how to prepare this.

**In the Early Years** Foundation stage children explore and use a variety of media and materials. They have opportunities to make, plan, construct and develop skills to use simple tools and techniques appropriately and safely. They cook and prepare food adhering to good health and hygiene routines. See EYFS learning goals for further information

**Key Stage 1 and 2**

In Key stage 1 and 2 the children are taught through a variety of practical and creative activities. They are taught the knowledge, understanding and skills needed to engage in the iterative process of design and making. They will work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment].
They will also be taught about food, how to prepare and cook it and about health and nutrition.

Pupils will be taught:

**Design**
- review a design and communication ideas.

**Make**
- use a range of tools and equipment to perform practical tasks (cutting, shaping, joining)

**Evaluate**
- look at an existing range of products and then evaluate ideas and products.

**Technical knowledge**
- build structures; explore how they can be made stronger, stiffer or more stable.
- investigate and use mechanisms in productions.

See national curriculum objectives for further details.