ST. ANNE'S C.E.(VC) PRIMARY SCHOOL

Design and Technology Curriculum Statement
'Together with God, Making Learning a Life Long Friend'

Context and Rationale:

At St Anne's C.E (VC) Primary School, we aim to provide all children with a broad and balanced curriculum which prepares them for life beyond primary education. We encourage children to 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. Design and Technology is an inspiring, rigorous and practical subject. It can be found in many of the objects children use each day and is a part of children's immediate experiences. Design and Technology encourages children to learn to think and intervene creatively to solve problems both as individuals and as members of a team.

At St Anne's, the Design and Technology curriculum is taught using Kapow. It combines skills, knowledge, concepts and values to enable children to tackle real problems through projects in areas such as cooking and nutrition, mechanisms, structures, textiles, electrical systems and the digital world. These conceptual areas are broken down into key skills for each year group that build on each other progressively in order to meet the requirements of the National Curriculum and the Development Matters. It can improve analysis, problem solving, practical capability and evaluation skills. We aim to, wherever possible, link work to other disciplines such as mathematics, science, engineering, computing and art as part of our creative curriculum. The children are encouraged to become innovators and risk-takers, and to enjoy the satisfying process of designing and making products, as well as refining their ideas through evaluation. High-quality Design and Technology education makes an essential contribution to the creativity, culture, wealth and wellbeing of the nation, by encouraging and enabling the next generation to grow into capable citizens with the acumen and expertise they need to solve problems with a greater degree of independence, innovation and self-sufficiency.

Our Approach:

At St Anne's the 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.

At St Anne's we teach Design and Technology through the Kapow Primary scheme of work. Kapow works in line with the National Curriculum and the Development Matters Document through these four key strands of work:

- Design
- Make
- Evaluate
- Technical Knowledge

Through these key strands we teach the following four key areas from EYFS to Y6:

- **Cooking and nutrition-** Where food comes from, balanced diet, preparation and cooking skills. Kitchen hygiene and safety. Following recipes.
- **Mechanisms/ Mechanical systems –** Mimic natural movements using mechanisms such as cams, followers, levers and sliders.
- **Structures-** Material functional and aesthetic properties, strength and stability, stiffen and reinforce structures.
- **Textiles-** Fastening, sewing, decorative and functional fabric techniques including cross stitch, blanket stitch and appliqué.

At St Anne's we offer a wide range of extra-curricular activities, including a gardening club, jewellery-making club, LEGO club (where children are given specific challenges to build), and Forest School activities. To support some of our cooking objectives, we have also invited Chartwells to come in and provide baking workshops to the children in UKS2.

We also offer residential trips where children are encouraged to transfer their skills to real life situations and experiences. In Key Stage 2, children hold a community café whereby the children design a menu, budget, buy ingredients, cook and serve a meal for their relatives.

Outcomes:

The Kapow Design and Technology curriculum is high-quality, well thought out and is planned to demonstrate progression and has high quality vocabulary. The children at St Anne's enjoy DT and show good outcomes. Outcomes are assessed when children are working during lessons, this information is entered into a document that the Subject Leader keeps track of.

An annual report is also sent to parents.

Policy updated July 2024 by Grace Murray