ALL SAINTS' C.E. (C) PRIMARY SCHOOL, ALREWAS
Design and Technology Policy

'Believe to Achieve'
"Living life to the full" (John 10:10)

School Values
Love + Forgiveness + Friendship + Thankfulness + Trust + Respect = Koinonia

General Principles and Philosophy

Design and technology is an inspiring, rigorous and practical subject. 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. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils 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. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

National Curriculum 2014

At All Saints' C of E (C) Primary School we believe that the teaching of design and technology will provide children with a range of strategies and skills which they can apply to their everyday life. By providing children with a range of products to investigate and evaluate, problems to solve, products to improve, designs to generate and products to create we enable children to develop curiosity, ingenuity and problem solving skills whilst also empowering them to develop collaborative and communication skills. The careful evaluation of the needs of product users also increases children's understanding of the physical, social, emotional, intellectual and aesthetic needs of people. Well planned design and technology activities that are based in real life contexts facilitate children's development of all elements of the Secrets of Success: try new things, work hard, concentrate, push yourself, imagine, improve, understand others and don't give up (Chris Quigley, 2010).

The National Curriculum

At All Saints' C of E (C) Primary School we aim to fulfil the National Curriculum requirements for Design and Technology at Key Stage 1 and Key Stage 2 by following the Programmes of Study presented in the National Curriculum for Design and Technology 2014.

All children should be taught the technical knowledge, understanding and skills needed to engage in the process of designing, making and evaluating products. They should consider products from a range of contexts (for example, the home and school, gardens and playgrounds, the local community, industry and the wider environment). In addition, in Key Stage 1 children should use the basic principles of a healthy and varied diet to prepare dishes and build an understanding of where food comes from. In Key Stage 2 children should: understand and apply the principles of a healthy and varied diet; prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques; understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.

Aims

The aims of the Design and Technology Curriculum at All Saints' C of E (C) Primary School are:

- To develop the creative, technical and practical expertise needed by children if they are to perform everyday tasks confidently and participate successfully in an increasingly technological world.
- To build and apply a repertoire of knowledge, understanding and skills in children which they can draw upon in order to design and make high-quality prototypes and products for a wide range of users.
- To develop the skills in children to critique, evaluate and test not only their ideas and products but the ideas and products of others.
- To develop an understanding of the principles of nutrition and learn how to cook.
- To emphasise the connections between design and technology and other curriculum areas (for example, science).
- To stimulate a positive attitude towards design and technology, an interest in design principles and an enjoyment in design and technology activities.
- To promote the use of problem solving, logical thinking and the application of design principles whilst also encouraging creativity.
- To help children to acquire and use technical terminology accurately and precisely whilst building an extended specialist vocabulary.

- To enable children to be confident and safe when using a range of tools and equipment.

Objectives

The objectives for design and technology are clearly defined within the Programmes of Study which can be located within The National Curriculum for Design and Technology 2014.

Assessment, Monitoring and Evaluation

Staff assess the quality and depth of children's knowledge, understanding and skills through the use of observation, marking of written work and verbal discussion. The children are also given the opportunity to self-evaluate their learning, knowledge, understanding and skill level. They also peer-assess each other's work.

The subject leader undertakes book audits, the results of which are recorded, passed onto Senior Management and individual staff members. Discussions also take place regarding coverage of the curriculum and resourcing issues. A Design and Technology Day takes place on an annual basis which provides the opportunity for the subject leader to assess the progression of skills throughout the school and talk to children about their enjoyment, learning, skills and knowledge. There is a named governor for Design and Technology.

Equal Opportunities

All children (irrespective of gender, disability, religious belief/faith tradition, sexual orientation, age or any other of the characteristics protected in the Single Equalities Act 2010) are entitled to participate in and benefit from a broad range of appropriate design and technology activities.
(Refer to All Saints' C of E (C) Primary School's Equality Statement)

Special Educational Needs and Very Able and Talented Children

All children at All Saints' C of E (C) Primary School will be provided with high quality teaching that is differentiated to meet the diverse needs of all learners.
(Refer to All Saints' C of E (C) Primary School's SEN Policy and All Saints' C of E (C) Primary School's Policy for Very Able and Talented Children)

Reviewed by RLBH January 2017