



## Horsington Church School

"That they may have life, Life in all its fullness."

John 10:10



# DESIGN AND TECHNOLOGY A POLICY STATEMENT

## RATIONALE

*"Design and Technology is about making things that people want and that work well".*  
James Dyson

Design and Technology calls for pupils to become creative, autonomous problem solvers. Design and Technology is a subject through which, ideas and practical skills can be combined. It provides opportunities for children to reflect on past and present designs, its uses and effects. Through Design and Technology all our pupils can become selective and informed users of products and become excited about the concept of innovation.

## AIMS

We aim to enable our pupils to:

- develop, plan and communicate ideas
- work with tools, equipment, materials and components to make quality products
- evaluate their own work and products and become confident and enthusiastic designers

## OBJECTIVES

**AIM 1:** To develop skills and knowledge in designing, planning and communicating ideas

- To generate ideas for products after thinking who will use them
- To develop ideas and explain them clearly
- To plan what has to be done, suggest a sequence of activities and alternatives if needed
- To communicate design ideas in different ways

**AIM 2:** To work with tools, equipment, materials and components to make quality products

- To select appropriate materials, tools and techniques for making their products
- To suggest alternative ways of making their products if first attempts fail
- To shape, assemble, join and combine a range of materials accurately
- To consider and improve functional and aesthetic qualities of their final products.

**AIM 3:** To evaluate their own work and products, and become confident and independent

designers

- To reflect on the progress of their work as they design and make, identifying ways in which their product could be improved
- To carry out appropriate tests before making any changes
- To recognise that the quality of the product depends on how well it is made and how well it meets its intended purpose

## **PRINCIPLES OF TEACHING AND LEARNING**

**BREADTH AND BALANCE:** We aim to provide a broad and balanced Design and Technology curriculum. Work is planned to provide a balance of developing knowledge, skills and understanding

**RELEVANCE:** Design and Technology experiences will be set within context where possible and will include individual and group work for a range of audiences

**CROSS-CURRICULAR:** Cross curricular links will be made where appropriate, these will be identified in medium term planning, particularly in regards to any clear links to our English and Maths curriculum

**CONTINUITY AND PROGRESS:** Teaching follows a two-year rolling programme

## **ASSESSMENT - RECORDING AND REPORTING**

- Assessment will be against the teaching progressions
- Assessment is on-going and evidence for recording and reporting purposes comes from teacher observations.
- Progress will be included in a written report to parents

**HEALTH AND SAFETY:** When working with tools, equipment and materials in practical activities and in different environments, including those that are unfamiliar, pupils should be taught:

- About hazards and risks
- To recognise hazards, assess consequent risks and take steps to control risks to themselves and others
- To use information to assess the immediate and cumulative risks
- To manage their environment to ensure the health and safety of themselves and others
- To explain the steps they take to control risks
- There are a variety of risk assessments

**EQUAL OPPORTUNITIES:** See Equalities Policy

## **CONCLUSION**

This policy is written in accordance with the Aims of the School and had been agreed by all members of staff. It forms part of the Curricular Policies of the school and should be read alongside other relevant policy statements. It will be reviewed at regular intervals.

Adopted: November 2001

Reviewed: October 2004

Reviewed: February 2008 by teaching staff.

Reviewed: May 2008 by Governors.

Reviewed: May 2012 by Teaching Staff

Reviewed: June 2012

Reviewed: November 2016

Reviewed: October 2020