

New Hope Christian School (NHCS) Design and Technology Policy Statement

Introduction

This document is a statement of the aims and strategies for teaching and learning Design and Technology (D&T) at NHCS

Design and Technology is the combination of four main areas

- a. Developing, planning and communicating ideas
- b. Working with tools, equipment, materials and components to make quality products
- c. Evaluating processes and products
- d. Knowledge and understanding of materials and components

Although D&T is a non-core it is cross curricular in character. Elements may come from existing subjects and curriculum areas including ICT, Mathematics, science and Art.

The distinctive contribution of technology is that, through it, children should gain the capability to operate in a technologically changing world. **Aims:**

To enable pupils to develop Design and Technology capability through:

1. Assignments in which they design and make products
2. Focused practical tasks in which a particular skill or knowledge is developed
3. Activities in which they investigate disassemble and evaluate simple products

Objectives

1. To select appropriate materials, tools, equipment and techniques when making a designed item.
2. To evaluate the items as these are developed for strengths and weaknesses.
3. To have knowledge and understanding of health and safety issues, considering hazards in the working area, and risks with particular tools.
4. To use appropriate vocabulary for naming and describing equipment, materials and techniques used.
5. To look at products and the effect including the extent to which it fits a need.

Planning, Assessment and Record Keeping

In line with our **Teaching and Learning Policy**, each teacher will use their assessment of their children to plan appropriate activities. Assessment must be built into teaching, class and year planning. Records of each pupil's progress are kept by their teachers. Planning, making, evaluating and finished results of a design are decided in the year group or phase.

Resources for Technology

A selection of resources are kept centrally. Where appropriate will be placed in Topics boxes for movement around year groups. These will be covered by a booking out form. We expect these resources to be kept in good condition and to be replaced when worn. The staff are responsible for borrowing, checking and returning equipment and for notifying the co-ordinator of any loss or damage. A booking out system is used for all and any equipment borrowed from the Technology area. It is the class teacher's responsibility to ensure that the booking procedures are followed and that equipment is returned in good condition/complete. Any damage or shortage should be reported to the Head Teacher before it is borrowed. The quality of the resources must be maintained so that children value the school's equipment.

Safety

In line with our **Health and Safety Policy**, we accept a responsibility to plan safe activities for technology. The safety in Design and Technology policy must be read by all teachers before a technology lesson, especially when using the Food Technology room or the Machine room.

Equal Opportunities and Differentiation

In line with our ***Equal Opportunities Policy*** we are committed to providing a teaching environment conducive to learning. Each child is valued, respected and challenged regardless of race, gender, religion, social background, culture or disability.

The role of the Headteacher

The Head Teacher has responsibility for ensuring that staff are aware of the policy and that the policy forms the basis of practice. The Head Teacher is also responsible for ensuring that the policy is periodically reassessed through discussion with staff.

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