



Churchfields
The Village School

Atworth ∞ Monkton Farleigh

DESIGN & TECHNOLOGY

Current Policy Approval Date:	Autumn 2021
Review Date:	Autumn 2023

AIMS AND OBJECTIVES

The National 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.

TECHNOLOGY - WHAT IS IT?

Technology is a subject which requires pupils to apply knowledge and skills to solve practical problems. It is concerned with practical action drawing on knowledge and understanding from a wide range of subjects.

Design Technology is about - evaluating needs, generating ideas, planning, making and testing to find the best solutions.

WHY DO IT?

Technological capability should enable pupils to cope with a rapidly changing society. They learn to think and intervene creatively to improve ideas. The subject requires them to work as creative problem solvers, as individuals and members of a team.

NATIONAL CURRICULUM NON-STATUTORY GUIDANCE

Pupils will gain a heightened awareness of how Technology is changing their immediate environment, i.e. in the home, the workplace, and should lead to economic and industrial understanding.

LINKS WITH NATIONAL CURRICULUM

Technological activities have always had strong links to practical activities in mathematics, Science, Art, Craft and Problem solving. With the more specific approach to the subject outlined in the National Curriculum, the activities may well be similar, but will be more structured in terms of the material used and the skills to be developed.

PROCEDURE

IMPLEMENTATION

All teachers will be responsible for providing a unit plan for the technological development of all children in the class. Planning will cover the objectives set out in the National Curriculum for Design and Technology. These will be monitored for progress across the year groups taught as well as across the Key Stages.

THE FOUNDATION STAGE

We encourage the development of skills, knowledge and understanding that help Foundation children make sense of their world as an integral part of the school's work. These early experiences include asking questions about how things work, investigating and using a variety of construction kits, materials, tools and products, developing making skills and handling appropriate tools and construction materials with increasing confidence. A range of

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opportunities are provided to encourage the children to explore, observe, problem solve and discuss their experiences.

DIVERSITY AND MULTI-CULTURAL ISSUES

It is our policy to ensure that both boys and girls have an equal opportunity to become involved with all elements of the Technology Curriculum. It is also recognised that on occasions positive discrimination may be necessary to ensure an adequate balance is achieved. Technology provides an opportunity to become aware of the positive achievements in developing countries and to realise that Western Technology will not necessarily provide an appropriate and lasting solution. The teaching of design and technology offers the opportunities to support the social development of our children through the way we expect them to work with each other in lesson time. Through their collaborative and cooperative work across a range of activities and experiences, the children develop respect for the abilities of other children, as well as a better understanding of themselves.

CONTINUITY AND PROGRESSION

Continuity and progression will be ensured through the planning and evaluation processes. Assessment and record-keeping of an individual child's progress will be seen as a continuous process and will be carried out using the teacher's professional expertise and with such assessment tasks as required by the National Curriculum. Teachers will ensure assessment takes place by a process of:

- marking
- observation and listening
- teacher set tasks
- National Curriculum objectives being met.

DIFFERENTIATION

It is our policy that work is prepared for children of differing abilities on the same theme.

SAFETY

Safety should be paramount. Children should be taught the appropriate health and safety recommendations, given the necessary skills to handle tools correctly. Teachers should be aware of the necessity to closely supervise use of the hot glue gun. Safety goggles should also be worn during the appropriate activity. Risk assessments should be carried out before hand and ensure all necessary checks are made prior to teaching.

RESOURCES

Appropriate materials, resources, books and space will be provided in each class giving all the children access to these, in order to learn efficiently. These resources will be matched to the educational needs of the children.

MATERIALS

The provision of a wide range of materials will ensure that the child will develop confidence and an increasing skillfulness in their use. They will also learn to select the appropriate materials for the task in hand.

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