



# **OVERDALE C P SCHOOL**

## **DESIGN AND TECHNOLOGY POLICY**

# **Design and Technology Policy**

## **Introduction**

This policy has been informed by National Curriculum 2014 guidance for design and technology. Curriculum objectives are used to develop knowledge and skills linked to current topics.

## **Purpose of Study**

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.

## **Aims**

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

## **Attainment Targets**

By the end of each key stage, pupils are expected to have a secure understanding of the NC objectives and related skills.

## **Curriculum Provision**

The teaching and learning of design and technology helps to give pupils the knowledge, skills and understanding they need in order to meet the above aims. Overdale children will be given opportunities to plan, develop and communicate ideas, through talking, drawing and writing. They will work with a wide range of tools, equipment and materials to make products of increasingly good quality. Children will be given opportunities to evaluate what they are making and the finished product saying how they think it can be improved. Pupils will increase their knowledge and understanding of materials and components.

At Overdale School, design and technology is delivered within a whole school approach that includes:

- teaching as a discrete, timetabled subject
- delivery as part of other curricular activities, making links wherever appropriate
- as part of extra-curricular activities such as clubs, visits and visitors

## **Planning**

Our school uses the National Curriculum 2014 for design and technology as the basis of its long term curriculum planning. Teachers are careful to select topics and methods of delivery that are appropriate to the needs and experience of the children and to the local circumstances of the school.

## **Teaching methods and learning approaches**

Good teaching relies on using appropriate methods for the aim of the lesson or unit of work. All teachers are encouraged to develop a repertoire of flexible, active learning methods, as well as an understanding of how children learn. Teaching methods may include a variety from the following:

- effective strategies for starting and ending lessons, sharing objectives with the children
- encouraging an active questioning approach among the children
- providing opportunities for children to work both individually and as part of groups
- problem solving, with older children deciding on their own lines of enquiry
- developing strategies to encourage independent learning
- focusing on key skills, concepts and attitudes of the subject
- time for reflection, review and evaluation

## **Assessment, Reporting and Recording**

Assessment will be built into the planning of the subject, either regularly in small steps, or to complete a unit of work.

All class teachers are responsible for short term planning based on medium term plans.

They will:

- identify the appropriate teaching and learning strategies required
- provide a balance and variety within the classroom – of content and organisational opportunities for pupils
- assess and plan for the specific needs of children within their own class whilst adhering to the progression laid down in the scheme

## **Subject Leadership**

Design and Technology is led by Jemma Hemingway who will:

- ensure DT opportunities are available throughout the school
- order resources as requested by staff
- monitor and promote DT throughout school

## **Resources**

At Overdale C P School, resources for design and technology are kept in the resources cupboard on the KS2 corridor (outside the Year 3 classroom). Boxes should normally be returned after each topic has been completed.

## **Visits and Visitors**

We make every effort in the teaching of design and technology for opportunities to visit examples of working mechanisms, such as a windmill and to undertake practical work. If specialist visitors are invited, school procedures should be followed.

## **Related Subjects**

Links are made with all other subjects within our themed curriculum. For Design and Technology there are particularly close links with English, Mathematics, ICT, Science and Art.

Signed:

Vicki Logan, Headteacher