

CONSULTATION PROCESS FOR POLICIES

Name of School: Red Oaks Primary School

Name of Policy: Design and Technology

Named Governor: School Improvement Committee

Named Member of Staff: Juliet Wright

Date Adopted: November 2019

Review Date: November 2021

Red Oaks Primary School

Design and Technology Policy

Philosophy

Design and technology is an inspiring, rigorous and practical subject. At Red Oaks we encourage creativity and imagination through the design and make process. Children are encouraged to create products that solve real and relevant problems within a variety of contexts that consider their own and others' needs, wants and values. Children are encouraged 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.

The aims of Design and Technology are to:

- 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.

Teaching and Learning Style

The school uses a variety of teaching and learning styles in design and technology lessons. The principal aim is to develop children's knowledge, skills and understanding in design and technology. Teachers ensure that the children apply their knowledge and understanding when developing ideas, planning and

making products and then evaluating them. This is done through a mixture of whole class teaching and individual/group activities. Within lessons, children are given the opportunity both to work on their own and to collaborate with others, listening to other children's ideas and treating these with respect. Children critically evaluate existing products, their own work and that of others. They have the opportunity to use a wide range of materials and resources, including ICT and the use of facilities at the Isambard Community School.

The Foundation Stage

DT comes under the umbrella of Creative development. We provide a range of experiences that encourage exploration, observation, problem solving and discussion. These activities, indoors and outdoors, attract the children's interest and curiosity. Children are encouraged to build construct and compare a variety of models and artefacts using different resources and scales.

Key Stage 1 and 2

Design and technology is taught through enquiry learning and topic focus, through a variety of creative and practical activities, pupils are taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making in a range of context. Children are taught to **Design Make Evaluate**.

Each phase have the use of a design booklet (appendix 1) that supports the design and technology process at an age appropriate level. Each year group have a specific focus for design and technology that shows development of skills as they progress through school (appendix 2).

Cooking

As part of their work with food, children are taught how to cook and apply the principles of nutrition and healthy eating. A love of cooking is instilled in our children, along with creativity in food. We believe learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Children in KS1 are taught

- the basic principles of a healthy and varied diet to prepare dishes
- to understand where food comes from.

Children in KS2 are taught

- to understand and apply the principles of a healthy and varied diet

- Be able to prepare a variety of predominantly savoury dishes using a range of food preparation techniques that are then cooked at home.
- Children in upper KS2 will understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

Assessment and Recording

Teachers assess children's work in DT by making assessments as they observe them working during lessons, in all cases a DT booklet will be produced showing the design, make, create process.

Juliet Wright (as subject lead) will carry out learning walks to record photos of work created and collect copies of DT booklets. She will also carry out pupil interviews to gauge children's knowledge, understanding and enjoyment.

Teaching staff are required to advise Juliet Wright when they intend to complete DT projects/ cooking.

Health and Safety

The general teaching requirement for health and safety applies in this subject. We teach children how to follow proper procedures for food safety and hygiene. Children are taught to handle DT equipment safely and responsibly.

The children are taught to assess their own risks through a child friendly risk assessment.

Inclusion

In Design and Technology teaching at Red Oaks, staff are aware of children's individual needs and how to best differentiate teaching and learning to enable access for all. This is done through adapting teaching to suit a variety of learning styles, often using a multi-sensory approach. Teachers consider classroom organisation and management strategies to ensure optimal access for all learners, including those with physical, sensory and/or learning needs. Teachers have access to specialist support for advice on strategies, target setting and assessment. All disabled pupils are included on the Red Oaks' Vulnerable Learner Database, and their progress is systematically recorded and monitored. Red Oaks is a Dyslexia Friendly School and all teachers are aware of the Dyslexia Friendly Schools guidelines. The school has also achieved the Inclusion Quality Mark.