



Hazel Slade Primary

Acting Principal: Mrs Sarah Camacho



DESIGN AND TECHNOLOGY POLICY

RATIONALE

Design and Technology prepares children to take part in the development of tomorrow's rapidly changing world. Through this subject children are given the opportunity to expand and experiment their own creative ideas, whilst learning new skills and reflecting on technology in today's society.

AIMS AND OBJECTIVES

- To develop knowledge and understanding of: materials and components; mechanisms and control systems; structures; existing products, and health and safety.
- To develop the skills of designing, planning, making, adapting and evaluating products for a particular purpose.
- To look for needs, wants and opportunities and respond to them by developing a range of ideas and making products and systems.
- To develop an understanding of technological processes, products and their manufacture, and their contribution to our society.
- To nurture creativity, design and innovation and become creative and autonomous problem solvers, as individuals and as part of a team.
- To develop ICT skills to allow children to program and control products, to nurture their understanding of mechanical and electrical systems.
- To reflect on and evaluate present and past design and technology, its uses and effects.
- To promote pupils spiritual, moral, social and cultural development.

TEACHING AND LEARNING APPROACHES

A variety of teaching techniques are used for design and technology to appeal to a range of learning styles.

The principal aim of the new National Curriculum is to develop children's knowledge, skills and understanding in the subject, whilst providing enjoyable, creative and inspiring design and technology lessons. During design and technology lessons children are encouraged to apply their knowledge and understanding when developing ideas, planning, making and evaluating products. Cross curricular approaches with Maths, English and Science is encouraged to support children's understanding of conceptual and procedural knowledge and ensure it is applied. Children are provided with a mixture



Hazel Slade Primary

Acting Principal: Mrs Sarah Camacho



of whole class teaching, individual and group activities, as well as homework opportunities, encouraging both independence and collaborative working.

PLANNING

Design and technology is planned in accordance with the schools foundation subject planning framework. Planning is highlighted on both a medium term and weekly plan, which includes reference to the National Curriculum objectives. The planning of design and technology ensures that all the National Curriculum targets are met throughout the year, making sure the two strands ('cooking and nutrition' and 'designing and making') are linked and covered in equal measure. Design and technology planning for the foundation stage comes under the area of Knowledge and Understanding of the World and planning is led by the children's interests.

Planning will ensure that, in addition to the requirements of the National Curriculum, there are frequent and regular opportunities to enhance learning through cross-curricular teaching, extra-curricular activities, homework, planned enrichment (Enterprise) and extension work.

ASSESSMENT AND RECORDING

Pupils' progress is assessed and monitored during the year through normal teacher marking, planning and observation. Pupils' Design and Technology work is marked by the teacher in line with the School's Marking policy. A record of class achievement for each topic is collated by the teacher on the schools foundation assessment documents, this is used to help evaluate the children's progress and assist with future planning.

RESOURCES

Our school has a range of resources to support the teaching of design and technology across the school. The resources are stored in a central design and technology store of which all staff has access to. The resources are reviewed and restocked to ensure that enough resources are available and staff are encouraged to feedback when additional resources are required that may benefit their teaching of design and technology.

EQUAL OPPORTUNITIES AND INCLUSION

All children will be provided with equal access to the design and technology curriculum. We aim to provide suitable learning opportunities regardless of gender, ethnicity or home background and according to their individual abilities.



Hazel Slade Primary

Acting Principal: Mrs Sarah Camacho



SPECIAL EDUCATIONAL NEEDS/GIFTED, ABLE AND TALENTED

Differentiation in terms of learning objectives, tasks, teaching methods and resources are planned for pupils with SEN. All pupils have access to materials and opportunities that are suitable to their specific needs. Gifted pupils are challenged with open-ended tasks which provide opportunities to tackle more complex issues and use a wider range of resources.

COMPUTING

Opportunities to use ICT to support teaching and learning in design and technology will be planned for and used as appropriate. In Key Stage 2 the computing curriculum will be used to program and control the children's design products, helping them to understand the concept of mechanical and electrical systems.

CROSS-CURRICULAR LINKS

Design and technology contributes significantly to the teaching of other curriculum areas in our school by actively promoting skills such as:-

- Teamwork and co-operation.
- Problem solving.
- Speaking and Listening.
- Planning and evaluating.
- Keyboard skills With an aim of actively improving:-
- Writing
- Mathematical knowledge and confidence.

HEALTH AND SAFETY

The general teaching requirement for health and safety applies in this subject. We encourage the children to consider their own safety and the safety of others at all times. Teachers refer to the School's Health and Safety Policy and the safety procedures recommended in the DfE 'Health and Safety of Pupils on Educational Visits' guidelines for the educational visits aspects of this subject.

ROLE OF SUBJECT LEADER/MONITORING

The role of the subject leader is to ensure that there is good monitoring of quality teaching of design and technology within the school making sure the standards of children's work remains of a high standard. The work of the subject leader also involves supporting colleagues in the teaching of the subject, so all children have the



Hazel Slade Primary

Acting Principal: Mrs Sarah Camacho



opportunity to be innovative and creative. In addition the subject leader must inform colleagues about any current developments in the subject, and providing a strategic lead and direction for the subject in the school.

REVIEW This policy will be reviewed
~~March 2020~~—July 2021