



DESIGN & TECHNOLOGY

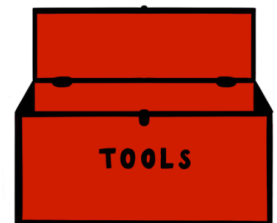
at DULWICH WOOD

Curriculum

Design and Technology develops children's skills and knowledge in design, structures, mechanisms, electrical control and a range of materials, including food. It encourages children's creativity and encourages them to think about important issues. D&T gives children the opportunity to develop skills, knowledge and understanding of designing and making functional products. It is an important part of learning development for children to have opportunities that nurture their creativity and innovation through design, and by exploring the designed and made world in which we all live and work. Design and Technology supports the teaching of Maths, English and science as well as other curriculum subjects in a fun manner.

Intent

At Dulwich Wood, D&T supports the development of building learning power as it helps to develop children's skills in collaborative working, reasoning, planning and making links as well as the specific knowledge in design, materials, structures, mechanisms and electrical control. Our children are encouraged to be creative and innovative, and are actively encouraged to think about important issues such as sustainability and enterprise. We desire for children to acquire and apply knowledge and understanding of materials; components; mechanisms; control systems; structures; be able to evaluate existing products and their quality. Additionally, we want children to understand the importance of health and safety. The skills learned in D&T will also help with learning across the curriculum. Gaining the knowledge about the properties of materials helps in science and the practice of measuring accurately helps in maths. These skills will help in computing through the children's use of computer control and, naturally, in art and design.



Dulwich Wood Learning Toolkit

Implementation

As part of the D&T teaching at Dulwich Wood, there are three core activities that children will experience. These are:

- Activities which involve investigating and evaluating existing products
- Focused tasks in which they develop particular aspects of knowledge and skills
- Designing and making activities in which children design and make 'something' for 'somebody' for 'some purpose'

These three activities are combined in sequence to create a Design and Technology project. Each year group will have three focused DT projects; one of these will be a cooking project. Children will also have the opportunity to evaluate their created products. All teachers will follow the health & safety guidelines that are set out in the risk assessments for 'using knives' and for 'children using tools'. They will also request demonstrations and advice from the school premises officer.

Impact

- At Dulwich Wood we want children to be confident in sharing their ideas; they will be encouraged to be creative and innovative thinkers.
- They will have opportunities to learn to cook a wide range of meals and snacks which will promote a healthy balanced diet.
- Children will learn about the designed and made world and how things work. They will learn to design and make functional products for particular purposes and users.

