

# Design Technology Overview

Design Technology is structured to provide an inspiring and practical scheme that will engage, inspire and develop our children's creativity and imagination. The children will be enabled to design and make products that solve real and relevant problems within a variety of contexts. Making links with other areas of the curriculum, children will draw upon and use skills learnt in other subject areas like maths, science, computing and art.

In key stage 1 and 2, our coverage meets the aims and expectations set out in the National Curriculum with key skills being taught over a 2 year cycle. The units will cover a variety of themes including: food, textiles, structures and mechanisms.

The teaching of Design Technology is predominantly skills based, with each unit using a similar structure of developing, planning and communicating ideas before working with tools, equipment, materials and components to create their own product to finally evaluating processes and products. In the Early Years, design technology is taught through carefully thought out and well-resourced provision.

The skills, knowledge and language relating to design technology is revisited and built upon throughout all units and a clear progression can be seen through our children's design technology journey.

## EYFS

The EYFS framework is structured very differently to the National Curriculum as it is organised across seven areas of learning rather than subject areas. We continuously use our understanding of child development and skill progression, baselines, observations and assessments to identify and review our children's strengths and gaps. This knowledge, along with the Educational Outcomes and Early Learning Goals within the Statutory Framework, drives our provision, learning environment and tailors our curriculum to the children's needs.

Expressive Arts and Design within the early years supports the children's imagination and creativity by providing regular opportunities to engage and explore with a wide range of media and materials, to enable our children to safely use different tools and techniques and to be able to explain the processes they have used to create their own masterpieces. EAD also forms close links with music and communication and language as children are encouraged to be imaginative, to retell stories and recount narratives as well as have an extensive repertoire of nursery rhymes and songs. All of this is provided through our continuous provision to engage children's interest, curiosity, thinking and learning through play and adult focus tasks.

## Key Stage 1

Design Technology is taught over a 2-year cycle in Key Stage 1. The units comprise of 2 textiles units, two food units, one structures unit and one mechanisms unit.

## Lower Key Stage 2

As in KS1, DT is taught over a 2 year cycle in Lower Key Stage 2, progressing the children's knowledge of design technology through food and making and building.

## Upper Key Stage 2

As in KS1 & LKS2, DT is taught over a 2-year cycle in Upper Key Stage 2, progressing the children's knowledge of design technology through food and making and building further.