

# Kew Woods Primary School

## Design Technology Policy



### Intent Statement

#### Basic Curriculum Principles

1. Learning is a change to our long-term memory.
2. Our aims are to ensure that our pupils experience a wide breadth of study and have, by the end of each key stage, a long term memory of an ambitious body of knowledge.

Our high quality Design Technology Curriculum provides a breadth of learning opportunities that should engage and inspire pupils to develop an interest in Design Technology and develop the confidence to be creative. Over time they will build up and master a range of technical knowledge and practical skills that will become embedded as part of their fundamental learning.

We follow the National Curriculum and cover the main disciplines of Design Technology – The key concepts are to: **Master practical skills, Design make, evaluate and improve and Take inspiration from design throughout history.** The key skills are - Structures, Mechanisms, Food, Textiles, Mechanical Systems and in Key Stage 2 only, Electrical Systems.

Pupils learn and develop skills across each discipline. Our aim is not to overload pupil's working memory but to allow the repetition of fundamental learning so that knowledge becomes embedded in their long term memory. By teaching and revisiting the key concepts it allows for repetition and retrieval.

In Early Years Foundation Stage Design Technology pupils will learn to safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture and form and function. Design Technology will make an important contribution to the breadth of study across the EYFS framework.

### Implementation:

All Design Technology lessons are taught by a qualified teacher. We follow the Kapow Design Technology teaching scheme that delivers high quality, creative lessons and have a Design Technology qualified subject leader who offers teachers further guidance and support for planning and delivery. The Kapow scheme supports the requirements of the National Curriculum and provides practical, technical and creative projects that engage pupils.

Design Technology is taught one afternoon a week in each class during the second term in Autumn, Spring and Summer. Lessons are planned and delivered in sequence to allow the pupils to build up their skills and knowledge over time giving them the best opportunity to master skills and produce quality, creative products. Pupils' breadth of learning will be enhanced with lessons in the key concept: Take inspiration from design throughout history.

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Pupils will learn about famous designers and engineers and begin to understand their contribution to industry and pupils will learn about occupations in Design Technology. This will stimulate ideas and allow pupils to design purposeful well planned products.

Pupils will have wider opportunities to enhance their Design Technology skills and knowledge over the year. The outside organisation, Sefton Active will deliver lessons about Healthy Lifestyles and Healthy Eating.

The Design Technology Subject Leader attends courses to keep updated on new initiatives and to link with other schools' Design Technology departments within the Southport Learning Trust. We organise future learning opportunities for our pupils and seek out opportunities to enhance resources across the school. We have curriculum days at these schools that allow pupils to experience Design Technology lesson in a secondary classroom

### Impact:

The short term progression pupils make will be evident at the end of each lesson or extended project. However, it is only over time that we can see if learning has occurred. By teaching and building up the key progression skills each year teachers are able to ensure misconceptions and gaps in knowledge are addressed. Teachers will assess pupils' knowledge and progress to ensure it is the long term memory and the Design Technology Subject Leader will also monitor progress and knowledge over time. It is planned that assessments are made against the comprehensive Kapow Scheme's Assessing Pupils' Understanding and Progress linked to each lesson's learning objective. Assessment evidence is also gained from lesson observations, learning walks, pupil interviews and book scrutiny where we look at and discuss the products pupils have made.

It is hoped that pupils will leave Kew Woods school with a broad range of Design Technology skills and knowledge, more confidence in their design abilities and an ability to enjoy being creative.

### Policy Implementation and Review

This policy was reviewed by SLT, shared with staff and approved by governors. It will be reviewed annually as per the policy review cycle.

