

Design and Technology INTENT

DESIGN IS
not just what
it looks like
design is how it
WORKS

Steve Jobs

Design and Technology is an inspiring and practical subject. It aims to encourage children to think creatively, to solve problems individually and collaboratively.

At Warren Wood Primary School we implement D&T through a rich cross-curricular approach with opportunities to be innovative, take risks and reflect.

We plan exciting experiences to support and challenge the following skills:

Design

- To have confidence and be inquisitive to use research and develop criteria to **design** innovative, functional and appealing products that are fit for purpose.
- To be ambitious to generate, develop, model and communicate their **ideas** through discussion, labelled diagrams, prototypes and computer-aided design.

Make

- To be able to **select** from and use a wider range of tools and equipment to **perform** practical task accurately.
- To be able to **develop skills** in using a wide range of materials, ingredients, components according to their functional properties and qualities.

Evaluate

- To **investigate** and **analyse** a range of existing products.
- To be resilient in **evaluating** ideas and products against their own design criteria and consider views from others to improve as well as be responsible in giving feedback to others.
- To be **proud** of achievements and successes.

Implementation

- Design and Technology will be taught to all pupils from Early Years through KS1 to the end of KS2, by Class Teachers, in accordance with government guidelines.
- Pupils will be taught units of work as set out in the long-term plan. Cross curricular links will be made where appropriate. The length of these lessons may vary depending on the learning and the age of the learners.
- Skills progression grids have been created to ensure that skills are covered in a comprehensive and progressive manner. These grids supplement planning.
- Planning ensures the revision of key skills and vocabulary alongside the introduction of new skills and content to ensure retention. Warren Wood uses the Kapow scheme of work to support teacher designed planning.
- Lessons are planned to ensure that units of work are inclusive and accessible to all where at all possible. Challenge is also provided for children who are more able.
- Assessment in this subject will be carried out by the class teacher using learning observations, formative assessments of recorded work and summative assessments provided when appropriate.
There is space on the medium-term planning documentation to record attainment data and notes on progress.

Impact Statement

- The children at Warren Wood enjoy regular Design and Technology lessons mainly using supporting lessons from Kapow scheme of work. This scheme is used in addition to teacher designed planning. There are also a variety of D&T enrichment opportunities happening across school, allowing the children to understand art in a wider context - 'the world beyond our window'. All of the art and design lessons include a rich vocabulary including technical vocabulary, which enables the children to articulate their design processes and learning.
- The impact of D&T lessons and enrichment opportunities can be measured through the quality of outcomes, as well as pupil engagement and enjoyment. As part of Artsmark, Warren Wood Primary School is working to increase and widen opportunities, partnerships, quality of education, cultural capital and personal development of our pupils.
- There is a commitment to adapting D&T curriculum to provide challenge and inclusion for all children at Warren Wood.
Monitoring Floor Books and how they are used in D&T.
- We tie our learning together with golden threads at Warren Wood to help the children to contextualise their learning. The golden threads in D&T are as follows: Cooking and Nutrition, Textiles, Structures, Mechanical Systems, Electrical Systems and Digital World.