



DT Curriculum Map



Autumn

Spring

Summer

EYFS/Reception

Embedded throughout the EYFS curriculum.

Expressive Arts & Design — Early Learning Goals

Safely use and explore a variety of materials. Tools and techniques, experimenting with colour, design, texture, form and function

Share their creations, explaining the process they have used

Physical Development — Early Learning Goals

Use a range of small tools, including scissors, paintbrushes and cutlery

Year 1

Building Structures

Build structures, exploring how they can be made stiffer and stronger.

Mechanisms (levers and sliders)

Explore and use mechanisms (levers and sliders) in a product.

Food (Healthy Eating)

Understand the basic principles of a healthy diet.
Understand where some food comes from and give examples of food that is grown.
Use simple tools with help to prepare food safely (cut, mix, grate) with supervision.

Year 2

Textiles

Understand how simple 3-D textile products are made, using a template to create two identical shapes.

Understand how to join fabrics using different techniques e.g. running stitch, glue, over stitch, stapling.

Explore different finishing techniques.

Food (Healthy Eating)

Understand the need for a variety of food in a diet.
Understand that all food has to be farmed, grown or caught.

Use a wider range of cookery techniques to prepare food safely (cut, peel or grate ingredients safely).

Mechanisms

Explore and use mechanisms such as, wheels and axles.
Distinguish between fixed and freely moving axels.

Year 3

Mechanical Systems

Understand how mechanical systems (pneumatic systems/levers and linkages) create movement.

Reinforcing Structures

Apply knowledge of how to strengthen, stiffen and reinforce frames (diagonal struts).

Develop and use knowledge of nets of cubes and cuboids and, where appropriate, more complex 3D shapes.

Food

Talk about the different food groups and name food from each group.
Understand that food has to be grown, farmed or caught in Europe and the wider world.
Use a wider variety of ingredients and techniques to prepare and combine ingredients safely.

Year 4

Textiles

Join textiles with a combination of stitching techniques (e.g. back stitch for seams and running stitch to attach decoration) .

Electrical Systems

Understand and use electrical systems in products (e.g. series circuit, incorporating switches, bulbs, buzzers and motors) .

Mechanical Systems

Understand and use mechanical systems in products.

Year 5

Reinforcing Structures

Apply understanding of how to strengthen, stiffen and reinforce more complex structures .

Food

Understand the main food groups and the different nutrients that are important for health.
Understand how a variety of ingredients are grown, reared, caught and processed to make them safe and palatable / tasty to eat.
Select appropriate ingredients and use a wide range of techniques to combine them.
Understand nutritional values of packaged food.

Mechanical/Electrical Systems

Understand how to use more complex mechanical and electrical systems (eg. Pulleys, cams).

Year 6

Food

Confidently plan a series of healthy meals based on the principles of a healthy and varied diet.
Use information on food labels to inform choice.
Research, plan and prepare and cook a savoury dish, applying my knowledge of ingredients and my technical skills.

Computing (control)

Apply my understanding of computing to program, monitor and control my products.

Reinforcing Structures

Apply knowledge of a wide range of methods to strengthen, stiffen and reinforce complex structures and can use them accurately and appropriately.