

# Design and Technology

## Design

Design purposeful, functional, appealing products for themselves and other users based on design criteria.

### Year 1

Design by drawing their final piece with higher ability children labelling the components and materials used.

Hot air balloon – **Papier Mâché and net**

Moving pirate picture – label levers and sliders.

### Year 2

Design their finished product and look at how they will make it planning their steps.

Puppet – sewing

Car – Wheels and axles

Rocket

Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.

### Year 1

Class discussions about each product.

Using Dazzle to plan their firework wax image.

### Year 2

Templates for puppets.

Make a mock-up of the car using paper

## Make

Select from and use a range of tools and equipment to perform practical tasks. [for example, cutting, shaping, joining and finishing]

### Year 1

Scissors

Tearing paper for **Papier Mâché**

**Sellotape**

**Split pins**

### Year 2

Coping saw

Sewing to join materials

Shaping for sewing

Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.

**Year 1**

Plasticine

Paper

Lego

Split pins

**Papier Mâché**

**Year 2**

Cooking day

Cardboard

Wood

Fabric

Recycling material

**Evaluate**

Explore and evaluate a range of existing products.

**Year 1**

**Year 2**

All covered by Year 2.

Evaluate their ideas and products against design criteria.

**Year 1**

**Year 2**

Differentiated evaluation at the end of each topic covered. These are developed throughout the year in each year group.

**Technical knowledge**

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

**Year 1**

Stronger and stiffer = **Papier Mâché**

**Year 2**

Stiffer and more stable = Cars

Explore and use mechanisms in their products.

**Year 1**

Levers and sliders

**Year 2**

Wheels and axles

## Cooking and Nutrition

Use the basic principles of a healthy and varied diet to prepare dishes

**Year 1**

**Year 2**

All covered by Year 2.

Understand where food comes from.

**Year 1**

**Year 2**

All covered by Year 2.