



CYCLE A

DESIGN AND TECHNOLOGY

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

Nursery

Across the year children will:
 Begin to balance blocks to build a small tower
 Build a tower
 Use construction materials
 Begin to create a model they have in mind
 Realize tools can be used for a purpose and use them safely

Reception

Across the year children will:
 Construct with a purpose in mind, using a variety of resources
 Safely use a variety of tools for a set purpose
 Represent their own ideas using DT

Years 1 and 2

Mechanisms
Wheels and Axles

Food
Preparing fruit and vegetables (inc. cooking and nutrition requirements for ks1)

Textiles
Templates and joining techniques

Years 3 and 4

Food
Healthy and Varied Diet

Structures
Shell Structures

Mechanical Systems
Pneumatics

Years 5 and 6

Food
Celebrating Culture and Seasonality

Textiles
Combining Fabrics and Shapes

Structures
Frame Structures



DESIGN AND TECHNOLOGY

CYCLE B

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

Nursery

Across the year children will:
 Begin to balance blocks to build a small tower
 Build a tower
 Use construction materials
 Begin to create a model they have in mind
 Realize tools can be used for a purpose and use them safely

Reception

Across the year children will:
 Construct with a purpose in mind, using a variety of resources
 Safely use a variety of tools for a set purpose
 Represent their own ideas using DT

Years 1 and 2

Mechanisms
Sliders and Levers

Structures
Freestanding structures

Food
Preparing fruit and vegetables (inc. cooking and nutrition requirements for ks1)

Years 3 and 4

Mechanical Systems
Levers and Linkages

Food
Healthy and Varied Diet

Textiles
2-D shape to 3-D product

Years 5 and 6

Electrical Systems
More Complex
Switches and Circuits

Mechanical Systems
Pulleys or Gears

Textiles
Using CAD in textiles