

Y6

Food Technology - Soup

Celebrating Culture and Seasonality



In this pathway, pupils explore a variety of healthy, seasonal vegetables, examining their texture (chunky and smooth), colour, taste and density before using them to create their own nutritious soup.

In this unit, pupils are introduced to complex circuits and switches through the exploration of various security devices and their internal mechanisms. They then apply this knowledge to design and construct their own electronic security alarms, contributing ideas to enhance the school's security system.

Electrical Systems - Alarms

Complex Switches and Circuits



Textiles - Fabric Phone Carrier

Combining Different Textile Shapes



In this unit, pupils investigate a range of phone carriers, focusing on the materials used and their design features. They explore and practise a variety of sewing techniques, which they then apply to design and create their own functional and uniquely styled phone carrier.

Y5

Structures - Market Stalls

Frame Structures

In this unit, pupils are introduced to a variety of moving toys, with careful consideration of the intended user. They explore different types of movement, including rotary and reciprocating, and investigate how CAM mechanisms function. Pupils then design prototypes and apply their learning to create their own moving toy.

Here, pupils explore a range of structural forms, with a particular emphasis on materials and support systems. Working collaboratively in small groups, students are tasked with designing and constructing a miniature market stall. The project requires careful consideration of structural strength and stability to ensure the stall can effectively support and display food products.

Mechanical Systems - Moving Toys

CAMS



Food Technology - Cereal Bars

Celebrating Culture and Seasonality

In this pathway, pupils research a variety of cereal bars, analysing their appearance, aroma, taste and texture. They then experiment with different ingredients to design and create their own unique and healthy cereal bar.