

# Sticky Knowledge – Design Technology

## Class – Willows

### Year 4



## Structures

Autumn 2

- Can I explain what makes a structure secure?
- Can I explain why I chose certain materials to build my structure?
- Can I explain what a free standing structure is?

## Mechanical Structures

Spring 2

- Can I explain how different shapes increase or decrease speed?
- Can I explain how the shape and size of an object affects the movement?
- Can I explain what kinetic energy is?

## Electrical Systems

Summer 2

- Can explain why certain materials are used for electrical systems?
- Can explain how electricity flows through a circuit?
- Can explain how I designed my torch and why I used certain materials?