



# Safe and secure

## Key Vocabulary:

design	make drawings, sketches or plans
design brief	details of what is to be made, for who and why
design criteria	goals that need to be achieved to be successful
prototype	model on which something is based
product	item produced
purpose	intended result
annotated sketch	sketch with explanatory notes
make	produce a product
evaluate	determine effectiveness of product
push-to make switch	when the switch is pressed the circuit is completed
push-to-break switch	when the switch is pressed the circuit is broken

## Key Knowledge and skills:

- Name a variety of types of alarm
- Produce a plan from a design brief
- Produce annotated sketches
- Say what is needed for and build an electrical circuit
- Name a variety of types of switch
- Build switch
- Adapt original ideas and suggest improvements
- Choose appropriate equipment and materials
- Evaluate a product against a design brief and criteria

## Do you remember?

How to build an electrical circuit?

