

My steps through learning:

What I will know and understand

How I will show that I know it

DT - Alarms

Steps through Learning



Lesson 5

To know why evaluating a product is an important part of the designing and making process



I can evaluate my own finished product

Lesson 4

To know some electrical components needed for an alarm system



I can make a model alarm system

Lesson 3

To know the circuits and switches to design my own alarm



I can draw and annotate an alarm system design for purpose

Lesson 2

To know different switches are used to control an electrical circuit



I can create a circuit using a variety of different switches

Lesson 1

To know what alarm systems are

I can identify some ways in which alarms are used



What should I already know:

- All about electrical systems (Science curriculum - circuits and conductors)
- Know how to perform practical tasks safely

National Curriculum:

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- Generate, develop, model and communicate their ideas through discussion and annotated sketches
- Select from and use a wider range of tools and equipment to perform practical tasks (for example cutting, shaping, joining and finishing), accurately
- Select from and use a wider range of materials and components, including construction materials, according to their functional properties and aesthetic qualities
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
- Understand and use electrical systems in their products (for example, series circuits incorporating switches, bulbs, buzzers and motors)