

KNOWLEDGE BASED QUEST

YEAR 4 Alarms -Switches, bulbs, buzzers and motors (Autumn 2)

<u>Vocabulary</u>	<u>Word definition</u>
Switch	a device for making and breaking the connection in an electric circuit
Bulb	a glass bulb inserted into a lamp or a socket in a ceiling, which provides light by passing an electric current through a filament or a pocket of inert gas
Buzzers	an electrical device that makes a buzzing noise and is used for signalling
Motors	a machine, especially one powered by electricity or internal combustion, that supplies motive power for a vehicle or for another device with moving parts
Electrical Circuits	is a complete route that an <b>electric</b> current can flow around
Components	a part or element of a larger whole, especially a part of a machine or vehicle
Wiring	a system of wires providing electric circuits for a device or building

What do we use alarms for?

Could we use just one type of alarm for everything?

How many different kinds of alarms can you think of?

Do all alarms have the same switches?

Can you name ways in which different types of switches can be activated?

Think of examples where alarms are present to keep people safe at home, in the workplace and in school.



