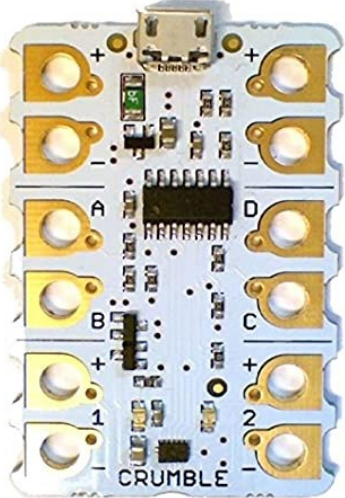



Crumbles and components

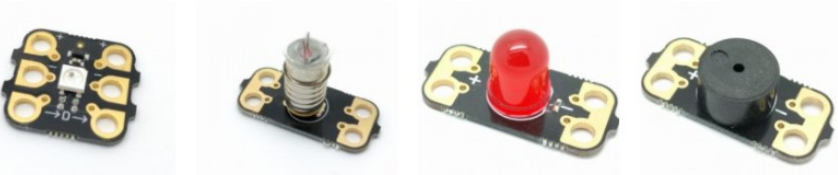
Crumble



Input Devices



Output Devices



Health and Safety

Electricity can be dangerous. Listen to instructions carefully to stay safe

Always connect crocodile clips carefully to one terminal only. Do not let them touch another terminal.

Always connect components the correct way round.

Vocabulary	
Program	a sequence of instructions that can be used to control electrical components
System	a set of related parts or components that together achieve a desired outcome
Input Device	components that are used to control an electrical circuit e.g. switches
Output Device	components that produce an outcome e.g. bulbs, motors and buzzers
Reed Switch	a switch that closes when a magnet is near
Toggle Switch	a switch that uses a toggle or lever to activate
Push-to-make switch	a switch that is 'on' when pressure is applied
Push-to-break switch	a switch that allows a circuit to normally be 'on' and turns off when pressure is applied.
Tilt switch	a switch which can turn a circuit on/off when tilted
Light dependent resistor (LDR)	a component which increases or decreases resistance depending on the amount of light present
Light emitting diode (LED)	an output device that glows when electricity is passed through it
Purpose	the reason for making a product
Function	what a product does
Design Criteria	the precise goals that a project must achieve in order to be successful
Innovative	produced through or resulting in innovation; new and inventive
Appealing	attractive or pleasant to look at
Design Brief	the statement a client gives to a designer outlining what they want their product to be like