

Electronics Exercise

Use the electronics kits to help you answer the following.

1. What component can be used to generate light?
2. Show its circuit symbol.
3. What component can be used to generate movement?
4. Show its circuit symbol.
5. What could a rocker switch be used for?
6. What could a push switch be used for?
7. Show the circuit symbol for a buzzer.

Tasks – Complete the following tasks, record your results on a separate sheets.

Task 1 - Design a circuit that will sound a buzzer when a button is pressed.

Task 2 – Change this so the buzzer stays on after a switch is pressed.

Task 3 – Design a circuit using a motor.

Task 4 – Change this so the speed can be changed and it can be turned on and off.

Make sure you draw diagrams of your circuits.