

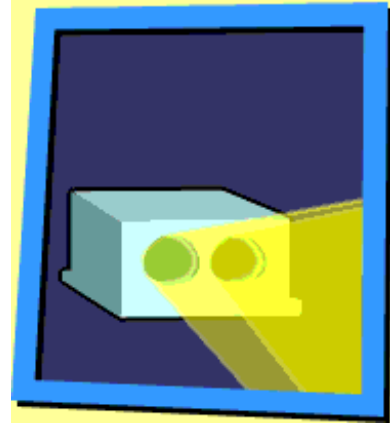


Robot Eyes

Once you have made a box robot, design and make an electrical circuit to light up his eyes.

Equipment

1. One 9-volt battery. You can buy this from any newsagents, supermarket or hardware shop.
2. Three pieces of plastic-coated wire. An adult will probably be able to find you some scrap pieces very easily.
3. A small torch bulb and bulb holder (again you can buy this from a hardware store).
4. A small piece of card.
5. Two paper fasteners (the kind with split pins).
6. One paper-clip.
7. A screwdriver.



Safety Stuff

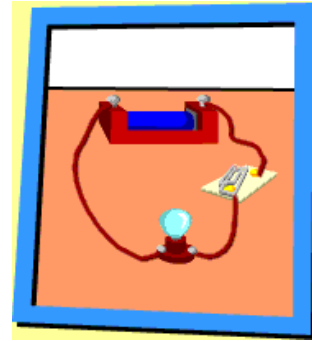
Check with an adult before you begin, as you might need their help at some stage. Working with items such as scissors can be dangerous, so be very careful when you use them and make sure that you never leave them open or lying around where smaller children can reach them.

Before starting any of these projects, cover the work surface you're going to use with some newspaper or an old cloth and make sure that you're wearing an apron or some old clothes. Gather together all the items you'll need before you begin. A lot of what you need can probably be found simply by looking around the house, but remember to check with an adult before you take anything! And don't forget to tidy up afterwards!

Steps

Step One

Use the information for making a battery torch (Light Show) to design and make an electrical circuit for your robot.



Step Two

Remove the lid from the robot's head and place the electrical circuit inside.

You may want to add an extra bulb to the circuit so you have one for each eye. To do this, attach the extra bulb in sequence with an extra piece of wire, as shown. Then fix the bulbs in place (how will you do this?).

