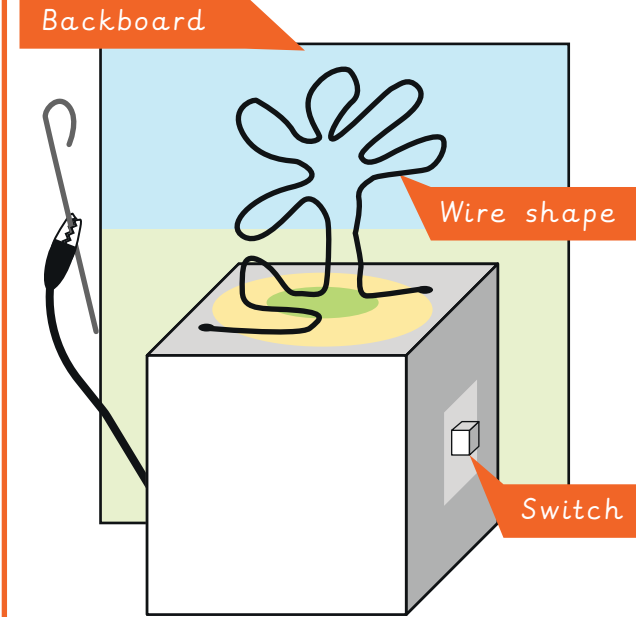


Electrical Systems - Steady hand game

| | |
|-------------------|--|
| Backboard | A background designed for the steady hand game. |
| Battery | A cell or connected group of cells which store electrical energy. |
| Bulb | A component which gives light when electricity passes through it. |
| Buzzer | A component which makes a loud noise as electricity passes through. |
| Circuit | A collection of components which make an electrical system. |
| Conductor | A material that allows electricity to flow through it. e.g. metal. |
| Copper | A metal material that is one of the best conductors of heat and electricity. It is often used to make wires and pipes. |
| Function | How an object or product operates or works. |
| Insulator | A material that does not allow electricity to flow through it. e.g. plastic. |
| LED | A light emitting diode which lights up as electricity passes through. |
| Magnetic field | The area around a magnet where there is magnetic force. |
| Net | A 2D flat shape, that can become a 3D shape once assembled. |
| Pliers | A metal tool used for holding, twisting or cutting wire. |
| Prototype | A simple model that lets you test out your idea, how it will look and work. |
| Series circuit | A closed circuit where the current only follows one path. |
| Side view drawing | An engineering diagram which shows the dimensions (width, depth, length) of the side (left or right) of a product. |
| Switch | A component which opens and closes to turn the circuit on or off. |
| Side view drawing | An engineering diagram which shows the dimensions (width, depth, length) of the side (left or right) of a product. |
| Test | To find out whether something works as it should. |
| Top view drawing | An engineering diagram which shows the dimensions (width, depth, length) of the top of a product. |

Key facts

The more complex your wire shape, the harder your steady hand game will be, especially if the bends are close together.



Circuit symbols:

| | |
|---------------|--|
| wire | |
| switch open | |
| switch closed | |
| battery | |
| buzzer | |
| bulb | |

Check it out!

Check out continuous line drawings, such as Picasso's single-line animals for inspiration!

