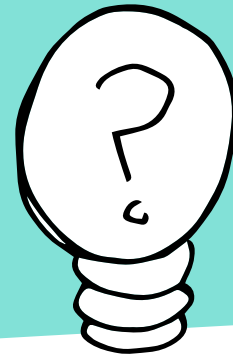


VOLTS, BULBS AND BRIGHTNESS



We measure the flow of electricity from a power source (the battery) in Volts, named after the Italian physicist Alessandro Volta. The symbol for Volts is V.

As you increase the Voltage on a circuit (e.g. by adding another battery into the circuit), the brightness of the bulb increases.

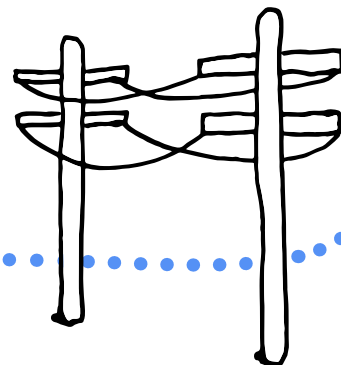


DID YOU KNOW?

At Drax Power Station, we generate electricity and then National Grid (with the help of a number of regional organisations) sends it to homes and businesses across the country. When this electricity leaves the power station, the Voltage is 400,000V – considerably more than the average Voltage of the batteries we use in our circuits (1.5V each)!

By the time the electricity reaches homes or businesses, the Voltage is 230V. This 'step down' process occurs when the electricity passes through a number of sub stations that reduce the Voltage.

Look out for the cables carrying our electricity when you're out and about – they're often high above our heads, strung from tall metal structures called pylons.



For more info and inspirational resources, visit
drax.com/resources/educational-resources

