



# ELECTRICAL MAGNITUDES

Belén Gallego Sanz. IES La Segarra

Look at these pictures...





# Definitions

- **Voltage:** is the energy given to electrons to pass through a circuit.
- **Current:** is the number of electrons every second.
- **Resistance:** is the opposition that some materials offer to the movement of electrical current.



# Additional information...

Magnitude	Unit	Symbol
Voltage	Volt	V
Current	Ampere	A
Resistance	Ohm	$\Omega$



# Resistance...

- Depends on:

- The material

- The shape

Thickness

Length