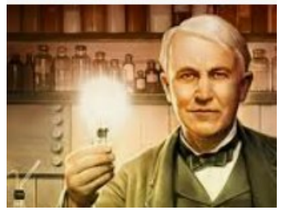
Science: Power it up - Y4 T2

Learning link

What electrical devices can you think of/ do you own? Why is electricity important in our world today? How do we stay safe around electricity?

Thomas Edison

Thomas Edison invented a lightbulb that could last up to 1200 hours. He also developed other electrical devices such as the phonograph and the motion picture camera.



Vocabulary

battery	It stores energy like a tiny engine and pushes electricity through the wires to make things work.
bulb	This is the part that **glows.** When electricity flows through a tiny wire inside it, it gets so hot that it lights
insulator	These materials are **"blockers."** They stop electricity from moving through them.
terminals	These are the **connecting points** on a battery. You usually see a plus (+) and a minus (-) sign. Electricity must flow out of one terminal and back into the other for the circuit to work.
Conductor	These are materials that are **"friendly"** to electricity. They let it pass through easily.
mains	This is the **super-strong electricity** that comes out of the sockets in your walls. It is much more powerful than a battery so can be very dangerous.





Practical

We will construct electrical circuits and think about what changes we can make to a circuit and how. We will always remember to be safe when using electrical equipment.

