



HOW DOES IT WORK? – KNOWLEDGE ORGANISER

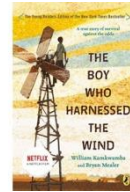


Year 4 Spring 1 Term 2020

Key Learning

- To identify a variety of different inventors, from past and present.
- To order events/inventions chronologically.
- To explain how a circuit works.
- To create simple circuits.
- To make a product containing a working bulb.
- To locate Africa on the world map and explore Malawi in detail.

Key Resources



Key People

Thomas Edison was born in 1847 and died in 1931. He lived in the state of New Jersey in the USA.

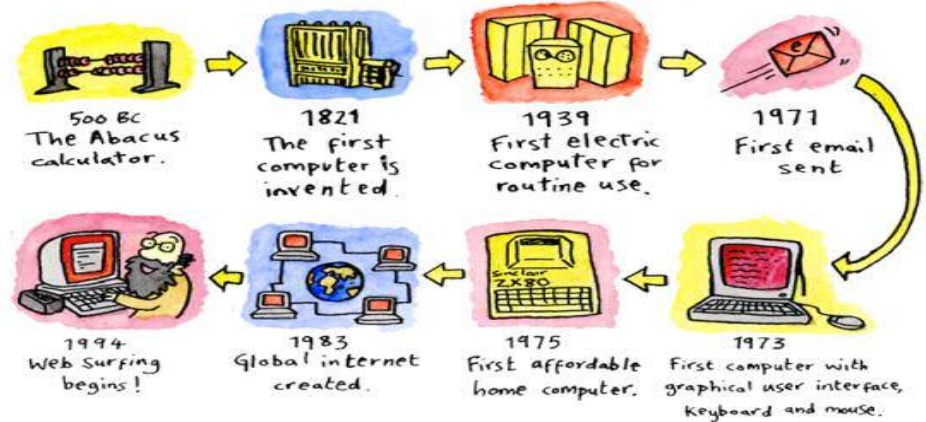
He invented the **lightbulb**, the **phonograph** (which could record and play sound) and an early video camera called the **Kinetograph**. The films were then watched on a **Kinetoscope** which he also invented.



Key Vocabulary

- Circuit** – a complete route for an electric current to flow.
- Current** – the flow of electricity through a wire.
- Conductor** – a material that electricity can pass through.
- Insulator** – a material electricity cannot pass through.
- Cell** – a device used to generate electricity. A battery is an example of a cell.
- Battery** – a small device that provides power for electrical items.
- Physics** – the study of forces including electricity and how it affects objects.

Techie Timeline



Key Images

