



# HOW DOES IT WORK? – KNOWLEDGE ORGANISER

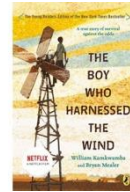


## Year 3 Spring 1 Term 2020

### 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.

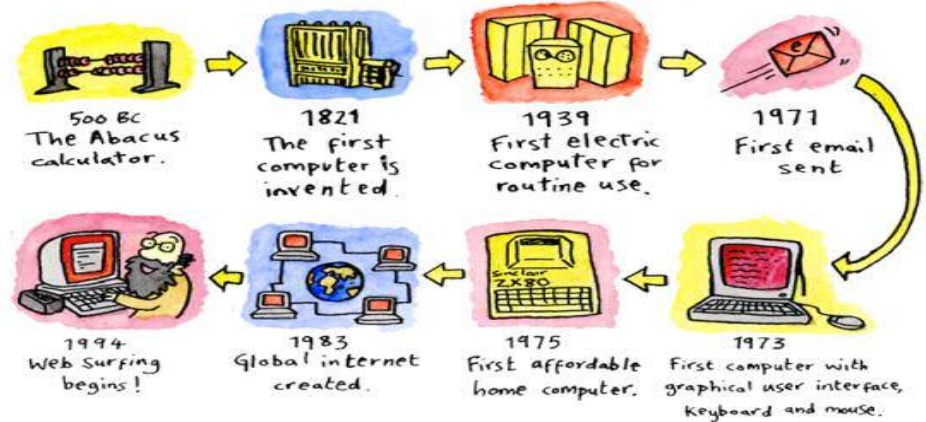
He invented the **lightbulb**, the **phonograph** (which could record and play sound) and an early video camera called the **Kinetograph**. The films were then watched on a **Kinetoscope** which he also invented.



### 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

