

Ingenious Inventors

Vocabulary

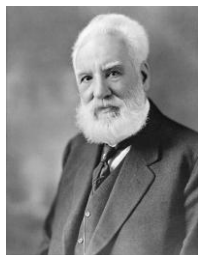
invent	to create or design something that has not existed before
communication	to share information with others
electricity	a type of energy that powers lights, machines and many everyday devices
practical	useful in everyday life and easy for people to use regularly
evolution	how something slowly changes and develops over time
sound waves	vibrations that travel through the air
impact	a strong effect or change that something has on people's lives

Alexander Graham Bell

Born: 1847 **Died:** 1922

Country: Scotland (later moved to USA and Canada)

Famous for: Inventing the telephone



Why was Bell interested in sound and communication?

- Bell's mother and wife were deaf, which made him very interested in how sound works.
- He studied **speech, hearing, and sound waves**.
- He wanted to help people communicate over long distances.

What did he invent?

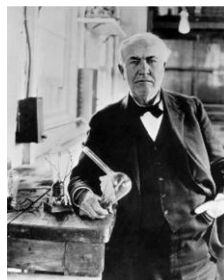
- In 1876, Bell invented the **telephone**, a device that allows people to speak to each other over long distances.

Thomas Edison

Born: 1847

Died: 1931

Country:
United States



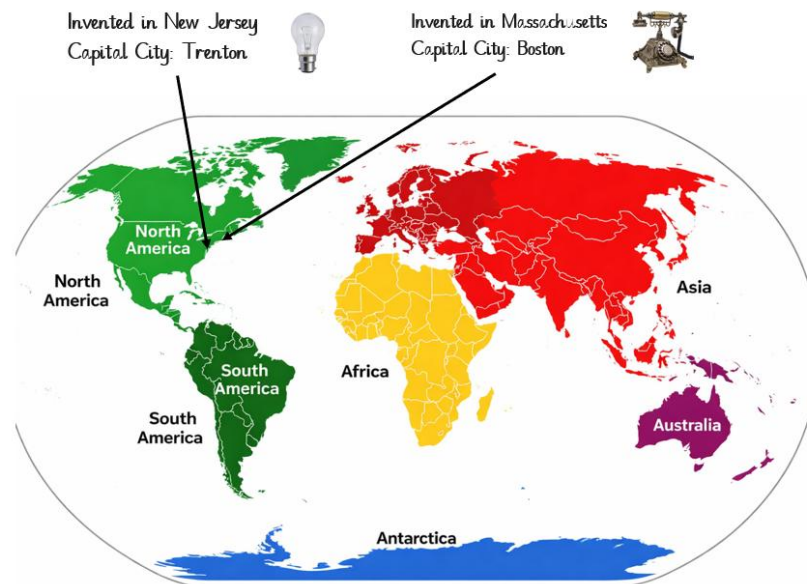
Famous for: Developing a practical light bulb

What did he develop?

- Edison developed a **long-lasting, practical electric light bulb**.
- He improved earlier designs so the bulb was safe, reliable, and could be used in homes and streets.
- Edison developed and tested his light bulb in the **United States**.

Invented in New Jersey
Capital City: Trenton

Invented in Massachusetts
Capital City: Boston



How Inventions have changed over time

Telephone

Then → Now



Then – Early telephones were large, wired devices used only for making calls over short distances.



Now – Modern smartphones are small and can make calls, send messages and use the internet.



Light Bulb

Then → Now



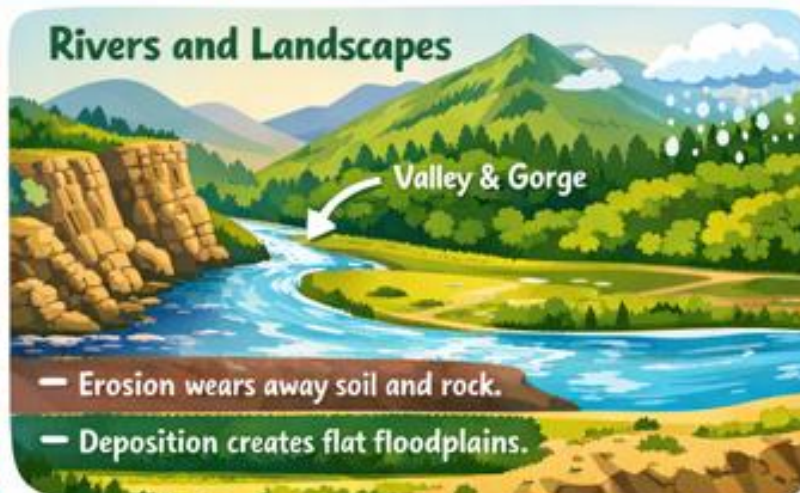
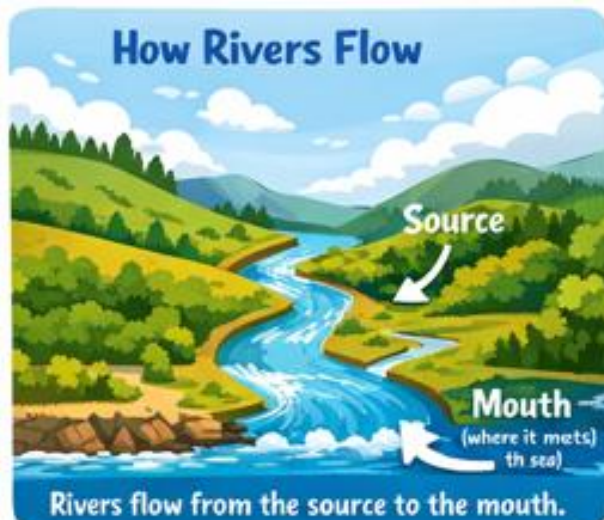
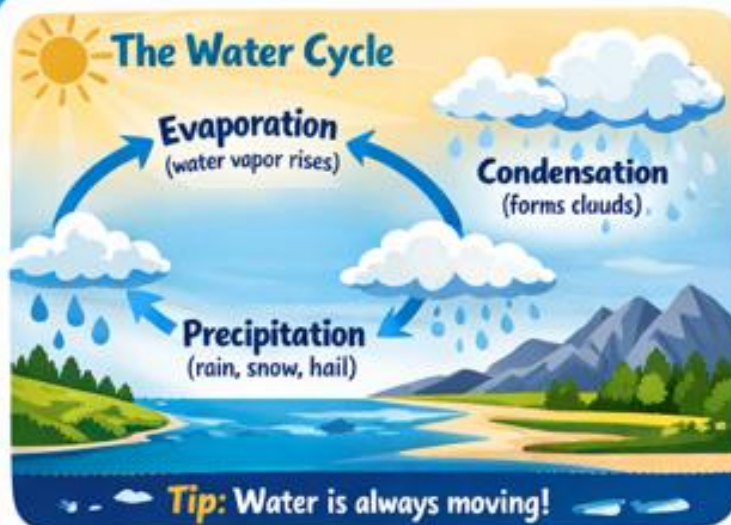
Then – Early lighting and early bulbs were safe or did not last very long.



Now – Improvements led to safe, long lasting electric lights, including modern energy-efficient bulbs.



Rivers Knowledge Organiser – Year 4



Major Rivers of the World

River	Location
Amazon	South America
Nile	Egypt
Tajo (Spain)	Spain
Po (Italy)	Italy
Thames UK	United Kingdom

Use Digimaps to explore these rivers!

Key Vocabulary



Key Vocabulary

- **Source:** Where a river begins
- **Mouth:** Where a river ends
- **Erosion:** Wearing away of land
- **Deposition:** Dropping of soil or rocks
- **Meander:** A bend in a river
- **Floodplain:** Flat land that may flood