

Bomere and the XI Towns Federation Knowledge Organiser—Science

Topic: - Significant Scientists and Inventors

Class/Year Groups: Year 3

Term: Spring

What you already know?

Pupils may have heard of these scientists but may lack the knowledge of why they are significant.

What you will learn:

Alexander Graham Bell



Alexander Graham Bell was a Scottish scientist and inventor. His most famous invention was the first telephone

Sir Isaac Newton

Newton discovered that gravity attracts all objects towards each other.



The Wright Brothers



Orville and Wilbur Wright were inventors who made the world's first successful aeroplane flight in 1903

Vocabulary

Scientist a person who is studying or has expert knowledge of one or more of the natural or physical sciences

Inventor a person who invented a particular process or device or who invents things as an occupation.

Michael Faraday He discovered the "Faraday effect," the first evidence that light and electromagnetism are related. He also discovered electrolysis, the use of electricity to separate matter. In addition to the dynamo, he invented the "Faraday cage," a device that blocked electric waves .

National Curriculum Objectives:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

