

# Pioneers of science and technology

1/ Complete the following article about British scientists and inventors – drag suitable words to the gaps.

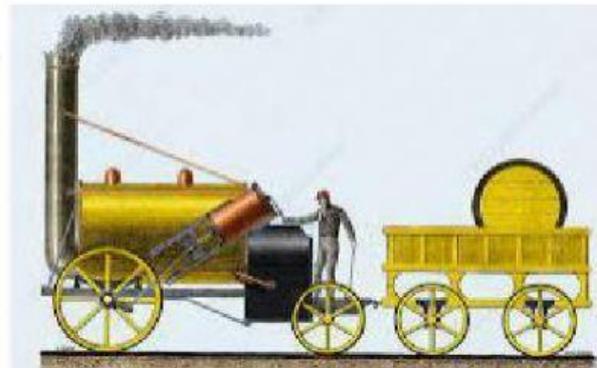
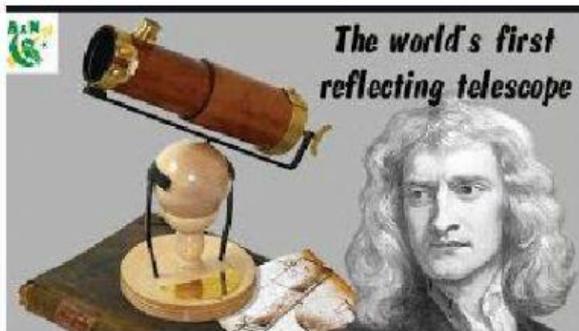
reflecting telescope      railway      construction      laws of motion  
scale      construction engineer      electricity and magnetism      submarine telegraphy

**Sir Isaac Newton** was one of the first British physicists who deeply influenced the world of science by his theories. His \_\_\_\_\_ are the basis of classical mechanics. By means of his \_\_\_\_\_ he discovered the composition of light.

The English physicist **Michael Faraday** tried to explore the relationships between \_\_\_\_\_. He discovered the induction of electric current which led to the \_\_\_\_\_ of electrical motor.

**Lord Kelvin** made many contributions to physics, geology and navigation. He devoted time to \_\_\_\_\_ and helped to lay the first Atlantic telegraph cable in 1866. You may know the Kelvin \_\_\_\_\_ based on the concept of absolute zero.

A real breakthrough came with the opening of the first British \_\_\_\_\_. Its \_\_\_\_\_ was **George Stephenson**, a self-taught English engineer and inventor.



Which other British scientists and inventors do you know? What did/do they invent/discover/construct/deal with? Choose 2-3 of them, write 60-70 words.

**2/ Match the beginnings and the ends of the sentences about American scientists.**

A professional painter and amateur scientist **Samuel Morse**

started numerous experiments with own gliders.

Besides many other things, **T.A. Edison** was

investigated electrical phenomena and invented the lightning conductor.

The **Wright brothers** studied scientific books and in 1900 they

fascinated by the possibility of transmitting human speech by means of electricity

**Benjamin Franklin**, a politician and scientist,

developed telegraph magnetic transmitters and receivers and introduced the code of dots and dashes



**Which other American scientists and inventors do you know? What did/do they invent/discover/construct/deal with? Choose 2-3 of them, write 60-70 words.**

**3/ What are these everyday objects?**

- a device you use to talk to someone in another place
- a machine which removes dirt from the carpets
- a small portable lamp which gets its power from the batteries
- a large metal container which keeps food cool
- a machine which washes clothes
- an instrument which measures time
- a cooker which cooks/heats up food very quickly using electromagnetic radiation