

Pioneers of science and technology

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

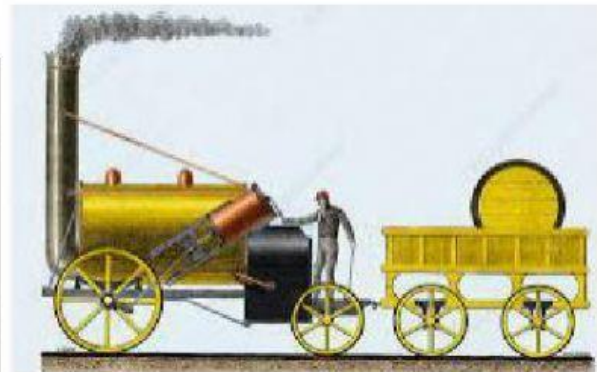
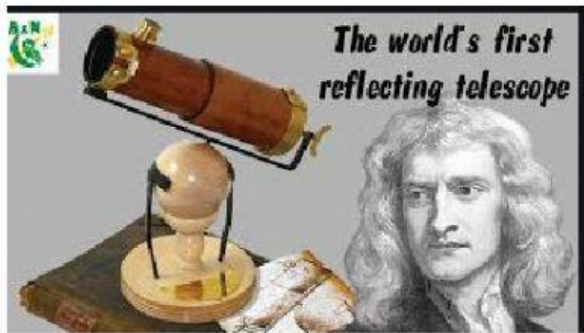
reflecting telescope railway construction laws of motion
scale construction engineer electricity and magnetism submarine telegraphy

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