



# Year 3 - Summer 1 - The First Railways



Timeline
1804- the first successful steam locomotive runs on wheels.
1807- the first passenger carrying public railway is opened by the Oystermouth Railway.
1829- George and Robert Stephenson's locomotive 'The Rocket' sets a speed record of 29mph.
1883- Britain's first electric railway opens in Brighton.
1902- Automatic signalling makes its first appearance between Andover and Grateley.
1941- World War One breaks out the the government take over the running of the railways.
1947- the railways are nationalised to become 'British Railways'
1970s- high speed trains are introduced.
1994- The Channel Tunnel opens linking London and Paris by rail.

Important People
<b>Richard Trevithick</b> created the first locomotive to run on wheels and it was used to transport iron across 9 miles of track.
<b>George Stephenson</b> was a civil and mechanical engineer and was known as the 'Father of the Railways'. He was English and a Victorian.
<b>Isambard Kingdom Brunel</b> was another civil and mechanical engineer who was considered ingenious and prolific in his designs.
<b>James Watt</b> was a Scottish instrument maker and inventor whose steam engine helped with the Industrial Revolution.
<b>Thomas Savery</b> was an English inventor and engineer who invented the first team powered device, the steam pump.

## Key Vocabulary

Locomotive	A powered railway vehicle used for pulling trains	Route	A way from a starting point to a destination.
Steam train	A train that is powered by a steam engine	Diesel	A type of fuel used to power trains
Railway	The system of tracks that trains run on.	Carriage	Where the passengers sit on a train journey
Coal	A burnable fuel used to power the steam trains	Signal	A type of traffic light for the railways
Engineer	Someone who designs or looks after engines or machines	Invention	Something someone has designed and made with a purpose in mind.