



# Engineers and Inventors 1



Timeline								
1811	1812	1829	1830	1863	1879	1912	1938	1964
Steam locomotive start to run between Middleton Colliery and Leeds	Matthew Murray (of Holbeck) builds the 'Salamanca.' It was the first successful steam locomotive. It carried coal.	George Stephenson invents 'The Rocket' (the first passenger train) The Rocket wins the Rainhill Trials.	George Stephenson and other engineers build the Liverpool to Manchester railway line.	The 'Flying Scotsman' had its first journey.	The first electric train presented in Berlin (Germany)	First diesel locomotive runs in Switzerland	The 'Mallard' train built in Doncaster	The first high speed trains run in Japan. The 'Bullet train' invented

## Significant people

### Matthew Murray and John Blenkinsop

They built the first steam locomotives to carry coal at Middleton Colliery in Leeds. It is the world's oldest working railway line.

### George Stephenson (1781-1848)

He worked on the development of railway tracks and bridge building and also designed the 'Rocket' which won the Rainhill Trials in 1829. It was the fastest steam locomotive of its time, reaching 30 miles an hour. Some people were scared of the train as they felt it could be dangerous to go so fast!

## Key Vocabulary

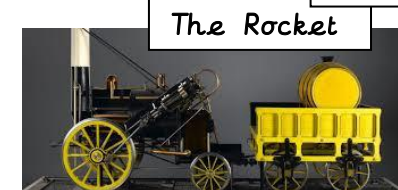
<b>diesel</b>	These locomotives burn diesel as fuel and were far more powerful than previous steam locomotives.
<b>electric</b>	Powered from electricity which they collect from overhead cables.
<b>high-speed</b>	Initially produced in Japan but now international, these trains are really fast.
<b>locomotive</b>	Engines which provide the power to pull a whole train made up of carriages or wagons.
<b>Rainhill Trials</b>	The Liverpool and Manchester railway competition to find the best locomotive, won by Stephenson's Rocket.
<b>steam</b>	Powered by burning coal. Steam was fed into cylinders to move long rods (pistons) and make the wheels turn.
<b>railway</b>	The track where the train runs.
<b>passenger</b>	A traveller on the transport.



The Flying Scotsman is a steam train that ran from Edinburgh to London.



The Mallard holds the record for the fastest steam train at 126 mph.



The Rocket



The Bullet is an electric train and can travel 200 mph.

