



# Year 6: Ravens

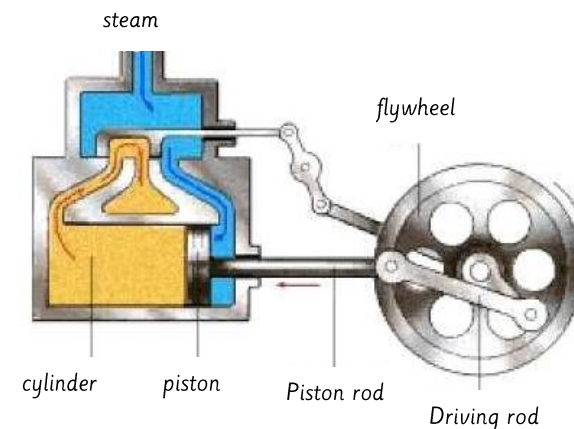


## History

### Autumn 1

# The Industrial Revolution

## How steam engines worked:

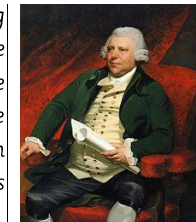


The steam pushes the piston through the cylinder. The piston rod is then pulled into the cylinder, turning the flywheel which pulls the driving rod.

Key Vocabulary	Definition
<b>blast furnace</b>	(noun) A furnace in the form of a tower, used for <i>smelting</i> iron.
<b>coalfield</b>	(noun) An extensive area containing several underground coal deposits.
<b>coalmine</b>	(noun) An excavation in the earth for extracting coal.
<b>cottage industry</b>	(noun) A business or manufacturing activity completed in a person's home.
<b>industrialisation</b>	(noun) The development of industries in a country/ region on a wide scale.
<b>invention</b>	(noun) The action of inventing something.
<b>manufacture</b>	(verb) To make something on a large scale using machinery.
<b>mass produce</b>	(verb) Produce large quantities by an automated mechanical process.
<b>mechanise</b>	(verb) Use a machine to do something that was previously done by hand.
<b>migrate</b>	(verb) To move from one region to another.
<b>mill</b>	(noun) A building equipped with machinery for grinding grain into flour.
<b>pre-industrial</b>	(adjective) Relating to a time before <i>industrialisation</i> .
<b>smelting</b>	(noun) The extraction of metal from its ore by a process involving heating and melting.
<b>society</b>	(noun) The aggregate of people living together in a community.
<b>textile</b>	(noun) A type of cloth or woven fabric.
<b>urbanisation</b>	(noun) The process of making an area more urban (town/ city).
<b>water frame</b>	(noun) A spinning frame that is powered by water.

## Richard Arkwright (23 December 1732 – 3 August 1792)

He was an English inventor and a leading entrepreneur during the early Industrial Revolution. He is credited as the driving force behind the development of the spinning frame, known as the water frame after it was adapted to use water power, and he patented a rotary carding engine to convert raw cotton to 'cotton lap' prior to spinning. He was the first to develop factories housing both mechanised carding and spinning operations.



Sir Richard Arkwright, oil on canvas, by Mather Brown, 1790.

## Timeline of Key Events

