

# Knowledge Organiser Year 4 History: The Industrial Revolution

## What was the Industrial Revolution and what impact did it have on Britain?

### When? Where? What?

The Industrial Revolution was a period of huge change lasting around 150 years. It started in Britain around 1760 and spread around the world. New inventions brought about big changes in the way goods were made, and this had a major impact on the way people worked and lived and changed the landscape of Britain.

### Tier 3 Vocabulary

<b>Industrialisation</b>	The process of using machines to mass produce goods in factories once made by hand by skilled workers (artisans).
<b>Cotton mills</b>	The first factories where raw cotton was spun into threads and woven into cloth on power looms.
<b>Steam engine</b>	An engine that uses boiling water and cylinders to create movement to drive machinery.
<b>Coal mining</b>	The process of digging up coal from underground. Miners crawled through tunnels with a pickaxe to break the coal from the coalface.
<b>Blast furnace</b>	A large firebrick tower used for smelting iron by heating it with coal.
<b>Urbanisation</b>	The process by which more and more people leave the countryside to live and work in cities.
<b>Slums</b>	Overcrowded, dirty city streets where poor factory workers lived in 'back-to-back' houses.
<b>Cholera</b>	A deadly disease caused by drinking water contaminated with human waste.

### Important Events

1776	Matthew Boulton and James Watt designed and built the first <b>steam engine</b> .
1825	The first passenger railway opened between Stockton and Darlington.
1829	George Stephenson designed and built his locomotive 'The Rocket'.
1830	Liverpool to Manchester railway line opened to passengers.

### Key People

Sir Richard Arkwright	Invented the <b>water frame</b> for spinning cotton, powered by running water.
Dr John Snow	Found that drinking contaminated water caused cholera.



**urbanisation**

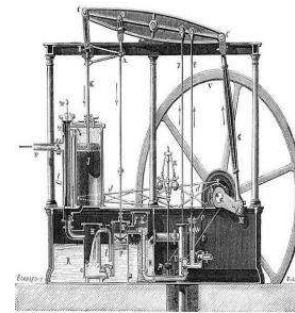
**slums**



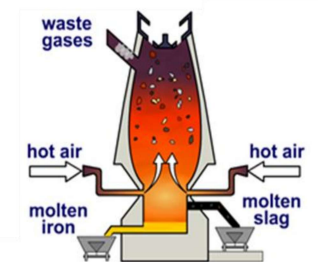
**coal mining**



**water frame**



**steam engine**



**blast furnace**

**Related prior knowledge:** Y1/2, Y3 - Settlement EYFS, Y3, Y4 - Technological advance

**Related future learning:** Y6 - Globalisation

