

# Year 8 Knowledge Organiser – The Industrial Revolution

- Between 1750 and 1900 a dramatic change occurred in Britain. It affected how people lived and worked. Factories began to replace farming as the main form of business. This change is referred to as the '*Industrial Revolution*'. This was caused by many reasons such as a dramatic rise in the population, new inventions, changes in power, growth of the British Empire, smart business people and more raw materials. People began to move from the countryside to work and live in towns, often in overcrowded and dirty conditions. They would work in noisy and unsafe factories with young children often doing very dangerous jobs. In the bigger cities such as London crime was a major problem and in the late 1800s police tried to solve the most famous of cases – Jack the Ripper.

## Key Events/Individuals

2.	<b>1700s – Abraham Darby (I,II,III)</b> were all involved in developing the iron industry in Shropshire
3.	<b>1768</b> - Scottish inventor <b>James Watt</b> meets businessman <b>Matthew Boulton</b> at a science club called the Lunar Society in Birmingham where they develop a new kind of steam engine Watt had been working on. It transformed how goods were made in factories . Steam power began to replace water power
4.	<b>1769 – Richard Arkwright</b> invents the <b>Spinning Frame</b> which could produce good, strong thread very quickly. But it was big and heavy and couldn't fit in people's homes and had to be powered by a water-wheel. New buildings called 'factories' or 'mills' had to be built for these new machines.
5.	<b>1829</b> – Politician and Home Secretary Robert Peel set up the Metropolitan Police
6.	<b>1804</b> – Richard Trevithick builds the first railway locomotive
7.	<b>1830</b> – George Stephenson designs and builds locomotives for the Liverpool to Manchester railway
8.	<b>1840s</b> – Ada Lovelace , a mathematician , begins the first work on computer programming
9.	<b>1840s</b> - Lord Shaftesbury, Richard Oastler, John Fielden, Michael Sadler were all <b>Reformers</b> who wanted to improve working conditions in factories
10.	<b>1858</b> – Isambard Kingdom Brunel designs <i>The Great Eastern</i> , the largest ship at the time
11.	<b>1876</b> – Alexander Graham Bell invents the telephone
12.	<b>1888</b> – a series of grisly murders are reported in London's East End

## Key Vocabulary

13.	Pauper apprentice	Orphan who worked in a factory in return for a bed and food
14.	Back-to-back housing	Rows of houses built very close together without room for a garden
15.	Bow Street Runners	An early police force . Groups of men were paid to catch as many criminals as possible
16.	Domestic system	The system where people would work in their home or small workshop rather than in a factory
18.	Entrepreneur	A business person who takes risks, often with their own money, to make a profit
19.	Epidemic	Rapid spread of a disease
20.	Factory System	System where people worked in factories to produce goods in large numbers , replaced the domestic system
21.	Empire	A collection of areas of land (or whole countries) that are ruled by another country
22.	Cast iron/wrought iron	Heated iron , poured into a mould to make a shape. Heated iron which is hammered into shape
23.	Industry	The work and methods involved in making things in factories
24.	Mechanised	Done by machine
25.	Iron ore	The raw material from which iron can be obtained
26.	Raw material	Natural substance such as coal, iron ore, gold, oil, clay etc
27.	Locomotive	A steam engine that moved wheels along a set of rails or tracks
28.	Capital crime	A crime where punishment is execution, often hanging from the gallows (a wooden frame)
29.	Tabloid	A newspaper or magazine which has small pages, lots of articles and photographs - focuses on sensational crime stories, gossip etc
30.	Trade Union	An organisation of workers formed to protect their rights and working conditions
31.	Transportation	A punishment where the guilty were sent to a faraway country like Australia
32.	Cholera	A disease caused by a germ living in dirty water