


# Britain's Got Talent

# History and Art

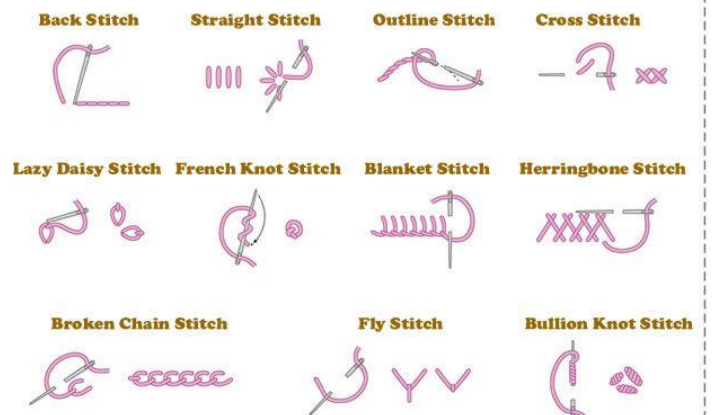
The Industrial Revolution 1760 - 1820	The Victorians 1837 - 1901	Modern Era 1926 - 1989
Richard Arkwright – The Spinning Frame (1769) Roads and Canals used mainly for transporting goods around UK	Graham Alexander Bell – Telephone (1876) First Electric Tram – Blackpool (1884) The Railway Network was developed	John Logie Baird – TV (1926) Alexander Fleming – Penicillin (1928) Tim Berners-Lee – World Wide Web (1989)

ESSENTIAL VOCABULARY	
Engineer	Someone who designs and creates for purpose
Invention	A creation that serves a purpose
Industrial	The process of making something, usually on a large scale
Primary source	Direct evidence about the area that is being studied
Secondary source	Indirect evidence, normally from someone else that tells us about what is being studied
Spinning frame	A design for using cotton (and raw materials) to make fabrics such as clothes
Stitch	Using needle and thread to bring two pieces of fabric together
Technology	Use of scientific knowledge for practical purposes

Famous British Female Engineers	
Beatrice Shilling	Aeronautical engineer who fixed a fault in the Spitfire's engine during WW2.
Delia Ann Derbyshire	Electronic music engineer who worked on sounds for the BBC and helped write Doctor Who theme tune.
Victoria Drummond	UK's first marine engineer who served at sea as an engineering officer in British Merchant Navy during WW2.
Dame Caroline Haslett	Electrical engineer who campaigned for the use of electric appliances to help with housework. She also encouraged all adults to know how to wire a plug safely.
Helen Sharman	Chemical engineer who was the first British astronaut and first woman to visit the space station in 1991.

Textiles
 <p>The Spinning Jenny was invented by James Hargreaves in Blackburn in 1720 but was improved by technology created by Richard Arkwright (from Chorley) when creating his spinning frame in 1769. Both were designed to spin cotton to make clothes. Arkwright's was water powered and led to the first cotton mills being used during the Industrial Revolution.</p>

## How to Stitch



# Britain's Got Talent

# Geography and DT



## Transport Links

## First railway line – Liverpool and Manchester Railway – 1830

## First Electric Tramway – Blackpool - 1884

## First motorway – Preston Bypass – 1958

Major UK ports including Liverpool



## All in the North-West of England!

## Vehicles

## Past



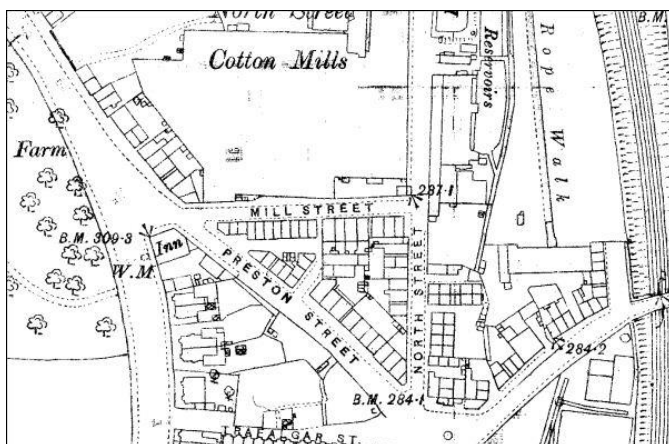
## Present



### How (and why) have vehicles developed?

- Higher demand for goods and services more quickly;
- Awareness of energy efficiency and renewable energy;
- Better understanding of how things work;
- A more connected world.

## Mills in Chorley



Chorley, 1893. Can you find these roads on a modern map?

## Design Technology Stages

