Year 2 Knowledge Organiser - Wonderful World of Wool

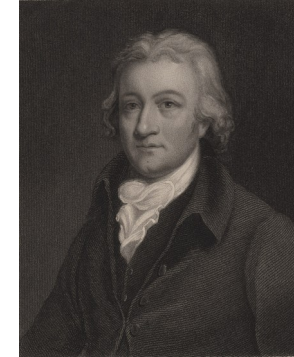## Vocabulary

Key Vocabulary	Definition
Wool	the fine, soft curly or wavy hair forming the coat of a sheep, goat, or similar animal, especially when shorn and prepared for use in making cloth or yarn.
Spinning	the act or process of twisting fibers, as cotton or rayon, into yarn or thread. b. the extrusion of a fiber-forming solution through a spinneret to form filaments.
Loom	an apparatus for making fabric by weaving yarn or thread.
Dye	A substance used to alter an items colour.
Stitch	a loop of thread or yarn resulting from a single pass or movement of the needle in sewing, knitting, or crocheting.
Fibre	a thread or filament from which a vegetable tissue, mineral substance, or textile is formed.
Natural	existing in or derived from nature; not made or caused by humankind.
Synthetic	(of a substance) made by chemical synthesis, especially to imitate a natural product.

Key Questions

How is felt/wool made?

What animals can wool come from?

How are woollen materials used to make different products?

Key Inventor

Edmund Cartwright

24 April 1743— 30 October 1823

Key Facts

Edmund Cartwright was an English Inventor.

Inspired by the cotton spinning wheels invented by Richard Arkwright while on a trip working for the church, he suddenly wished to create a machine for weaving.

After seeing the spinning machines Cartwright thought that he could make something similar for weaving, an invention he would later call power loom. He began working on the designs of the machine in 1784 and fully built it in 1785 with the help of a carpenter.

Traditional handlooms were slow and required several laborers to operate. Cartwright's invention of the power loom was significant because it used mechanization to automate much of the weaving process.

One of the key features of the Industrial Revolution is the development of new inventions that led to more automation by machines. Significant inventions or innovations of the Industrial Revolution included the power loom.

Work Examples

Timeline

Edmund Cartwright	Isambard Kingdom Brunel	Samuel Fox	Gustave Effiel	Joseph Strauss	Richard Reed
1743— 1823	1806-1859	1815-1887	1832- 1923	1870—1938	1973-present