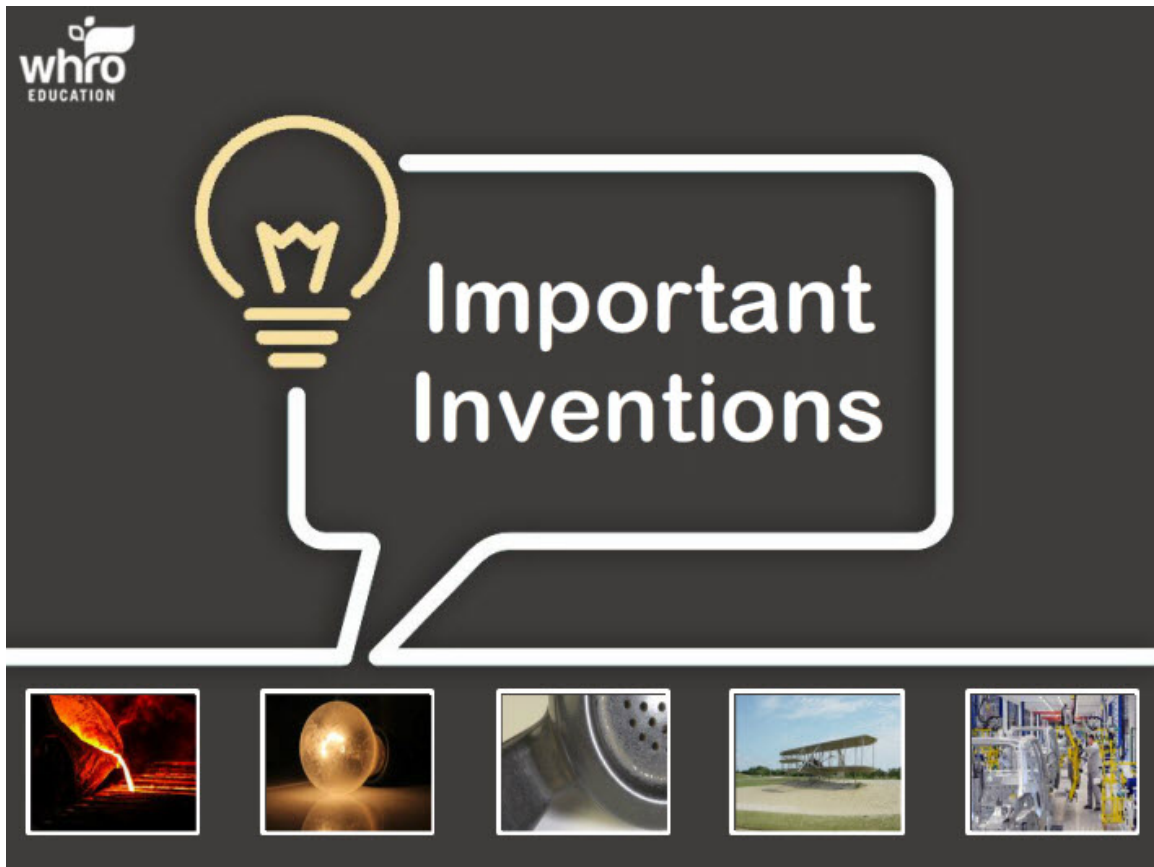


Module 6: A Nation Grows - 1877 to the 1900s
Topic 3 Content: New Inventions Notes

Introduction




The graphic features a dark grey background. In the top left corner is the 'whro EDUCATION' logo. A large white speech bubble contains a yellow lightbulb icon on the left and the text 'Important Inventions' in white. Below the speech bubble is a horizontal row of five small square images: 1. Molten metal being poured. 2. A glowing, textured sphere. 3. A close-up of a metal part with a circular pattern. 4. A large, open industrial building. 5. A factory interior with machinery.

During the late Nineteen and early Twentieth Centuries, inventors developed various new technologies. These inventions fueled the industrial growth of the United States.

Module 6: A Nation Grows - 1877 to the 1900s
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Instructions

Hover your cursor over the images below to learn about inventions that fueled the industrial growth of the United States.



Below the main graphic is a horizontal row of five small square images:


- 1. Molten metal being poured from a ladle.
- 2. A glowing lightbulb.
- 3. A close-up of a metal gear or pulley.
- 4. A large, open industrial building or structure.
- 5. A factory interior with machinery and workers.

Hover your cursor over the images below to learn about inventions that fueled the industrial growth of the United States.

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Topic 3 Content: New Inventions Notes


Bessemer Steel Process

Hover your cursor over the images below to learn about inventions that fueled the industrial growth of the United States.



The Bessemer process made the production of steel more efficient, and led to growth in the steel industry. To enable mass production of steel, the Bessemer process involved blowing oxygen through melted iron to remove impurities. Steel was used to construct buildings and skyscrapers.

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Light Bulb

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Telephone

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In 1878, Alexander Graham Bell obtained a patent for the first working telephone. Bell figured out how to transmit sound waves via telephone wire. He strung the wire over existing telegraph lines, and through a tunnel, Bell connected his home to the nearest telegraph station. On March 7, 1886, Bell spoke into the wire and a group of observers in the telegraph station clearly heard his voice.

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Airplane

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Telephone



Brothers Wilbur and Orville Wright completed the first piloted flight of an airplane. From 1905 to 1907, the Wright Brothers developed an airplane with fixed wings. The airplane included aircraft controls that made piloted flight possible.

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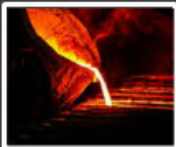
Assembly Line

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Contrary to popular belief, Henry Ford did not invent the assembly line. He did, however, perfect this technology by using driven conveyor belts. In Ford's automobile manufacturing plant, the assembly line greatly decreased the amount of time it took to assemble the Model-T car. In turn, production in the manufacturing plant greatly increased, impacting all future manufacturing plants in the United States.

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