

WOMEN INVENT!

Two Centuries of Discoveries That Have Shaped Our World

by Susan Casey (Chicago Review Press, Distributed by IPG 800-888-4741 ISBN: 1-55652-317-3)

Women's History #5 of Top 10 Books for Girls 8-12

(http://womenshistory.about.com/od/gifts/tp/books_8_12_wh.htm)

HOW DO WOMEN INVENTORS FIT INTO THE CURRICULUM? WHICH STANDARDS RELATE TO WOMEN INVENTORS?

ENGLISH-LANGUAGE ARTS CONTENT STANDARDS

Writing Applications

Write Information Reports

- Frame a central question about an issue or situation.
(Who are America's Women Inventors?)
- Include facts and details for focus. (their lives and accomplishments)
- Draw from more than one source of information (books, patents, trademarks)

Speaking Applications

Make informational presentations:

- frame a key question
- Include facts and details for focus.
- Draw from more than one source of information (books, patents, trademarks)

Writing Applications

Write biographical or autobiographical narratives or short stories.

- Relate a sequence of events and communicate the significance of the events to the audience.

HISTORY-SOCIAL SCIENCE CONTENT STANDARDS

Students analyze the transformation of the American economy and the changing social and political conditions in the United States in response to the Industrial Revolution.

- Discuss entrepreneurs, industrialists. (Profile successful women inventor entrepreneurs—Josephine Cochran, Madam Walker.
- Name the significant inventors and their inventions and identify how they improved the quality of life (e.g. Margaret Knight, Harriet Irwin, Mary Anderson)

Students analyze the relationship among the rise of industrialization, large-scale rural-to-urban migration.

Describe the changing landscape, including the growth of cities linked by industry and trade. (Stories of how women's inventions contributed to the growth of cities and industry.)

Trace the economic development of the United States and its emergence as a major industrial power. (Show the contribution of women's inventions to the economy.)

CAREER PREPARATION STANDARDS

- Students understand the variety of opportunities available in the world of work.
- Skills, Abilities and Interests, and Career Connections - Students understand that each career has skills, abilities and interests peculiar to that career group.

SCIENCE: HISTORY OF SCIENCE

- Many individuals have contributed to the traditions of science. Studying some of these individuals provides further understanding of scientific inquiry, science as a human endeavor, the nature of science, and the relationships between science and society.
- In historical perspective, science has been practiced by different individuals in different cultures. In looking at the history of many peoples, one finds that scientists and engineers of high achievement are considered to be among the most valued contributors to their culture.
- Tracing the history of science can show how difficult it was for scientific innovators to break through the accepted ideas of their time to reach the conclusions that we currently take for granted.