

Researching Women in Science

Chemistry

Mr. Hickman

### Women in Science Research Guide

*In order to thoroughly research and educate yourself about **women in science**, you must read about the topic in a variety of different academic and scholarly sources. Do not “just Google it” and select whatever sites pop up on the top of the list. If you want to perform a web search, I recommend using [Google Scholar](#) or [Google Advanced Search](#).*

*Create a **large pool of search terms**, adding to it with more specific terms as you read and learn about your subject. Different combinations of search terms will expand your search results. If you use the same search terms over and over, your results will not change or improve.*

*Employ some **search operators or limiters** like quotation marks, wild cards (e.g., bibl\*), AND(+), OR, NOT(-), NEAR or SITE:.edu to refine your search results. Google Advanced Search will apply these operators and limiters to the search terms you type in.*

*You are fortunate to have a world of information available literally at your fingertips. Here are some recommended resources to help you learn more about your scientist!*

*Happy Reading! Mrs. Walkins*

#### Print Resources

*World Book's Biographical Encyclopedia of Scientists (R 503 W)  
Celebrating Women in Mathematics and Science (509.2 C652 C)*

*American Women of Science (500.8 CAM)  
A to Z Women in Science and Math (509.2 C652 C)  
Individual Biographies (921)*

#### E- Books

*Facts on File Biology Handbook (Destiny Discover)  
Facts on File Chemistry Handbook (Destiny Discover)  
Facts on File Physics Handbook (Destiny Discover)*

These books are available via the link on the SJP [Learning Commons](#) webpage. See Mrs. Walkins for the username and password.

## Databases

You can access the **Gale Databases** on the SJP [Learning Commons](#) webpage. Each database provides numerous articles from reputable scholarly journals, magazines and other resources, which will provide valuable information. For this project, I recommend the following databases:

1. Biographies in Context
2. Student Edition
3. Science in Context
4. World History in Context
5. Gale Virtual Reference Library

## JSTOR

At school, you will be able to access the database directly from the link on the SJP [Learning Commons](#) webpage. At home, you will have to log in. See Mrs. Walkins for the username and password.

## Online Encyclopedia

*Britannica Student Edition* - Access **Britannica** online through the link on the SJP [Learning Commons](#) webpage.

## On the Web

[\*Biographies of Women Mathematicians\*](#)  
[\*The Faces of Science\*](#)

[\*MacTutor History of Mathematics Archive\*](#)  
[\*Khan Academy\*](#)

Be sure to **evaluate your sources** for the following criteria:

**CURRENCY** — When was the information published or posted? When has the information been last reviewed / revised?

**RELEVANCE** — How comprehensive or in-depth is the discussion of the topic? Who is the intended audience?

**AUTHORITY** — What are the credentials of the author and organization publishing the article/website?

**ACCURACY** — Is the informational content reliable and correct?

**PURPOSE** — What is the reason the information exists.

Use the [CRAAP Test Scorecard!](#)

**Cite your Sources!** Please consult the [Purdue Online Writing Lab \(OWL\)](#) site if you need help building your citations or formatting your paper.