### I Swear, It's Just Research!

Hiding bodies, launching things into space, forging swords, et cetera.

August 17, 2024. When Words Collide, Calgary, AB. Cheryl D. Bain theunrestrictedlibrarian.com



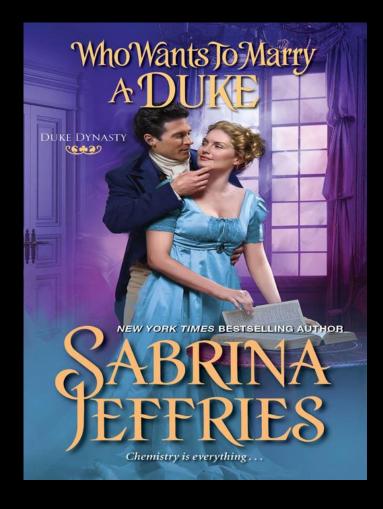
### What am I here to talk about today?

- Why is research important?
- How to recognize an untrustworthy information source
- Sources for answering quick questions
- Online collections of free sources for in-depth research
  - Books, magazines, catalogues, etc. (Hathi Trust)
  - Educational resources (Open Educational Resources Commons)
- Other (almost) free resources

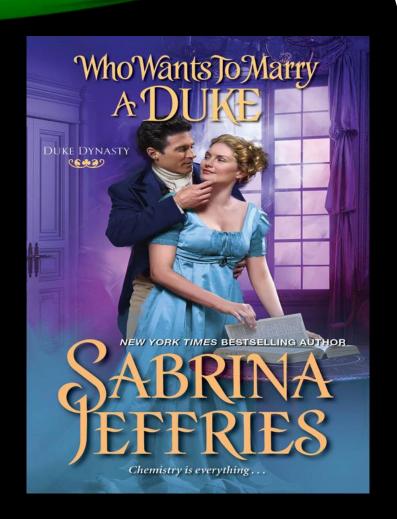
Why is research important?

Discussion (2 min max)

# What can happen when you get the research wrong?







# What can happen when you get the research wrong?

For the next hour, he got to unpack boxes and leave her to examine each item to decide where it went. She wore a look of pure bliss as she moved from table to shelf, arranging and organizing and setting up equipment that had been broken down for the journey.

There were names of ingredients he'd never heard of—aqua regia, nitrate of potash, muriatic acid, green vitriol, salt of wormwood, spirit of ether, and a dozen other mysterious compounds

Chapter 6

Aqua regia is not something that you transport! You could transport the chemical ingredients, but it need to be prepared shortly before use.

# What can happen when you get the research wrong?

Ways Owen or Claire should have been killed by volcano and/or lava:

 At least three times...I got too distracted by the errors to keep track.

There were more errors that slipped by me...

 https://www.iflscience.com/theres-a-hugescientific-problem-with-jurassic-world-fallenkingdom-and-it-has-nothing-to-do-with-dinosaurs-48272



How can you tell if a source is trustworthy?

Discussion (2 min max)

## Is your source CRAAP(P)?

Non-Writers

Currency

Relevance

Authority

Accuracy

Purpose

Writers

Currency

Relevance

Authority

Accuracy

Purpose

Plot

## The CRAAP test – questions to ask



Current	How recently was the information created or published?
Relevant	Is the information related to your topic? Is it at the level of detail that you need?
Authority	Who created the material, and do they know what they are talking about?
Accurate	Does the creator seem biased? Did they make any obvious errors?
Purpose	Why was this created?

### Currency

How recently was the information created or published?

- Different topic become out-of-date at different speeds
  - Weather reports vs. 1918 population of Canada





### Currency



#### As a Writer:

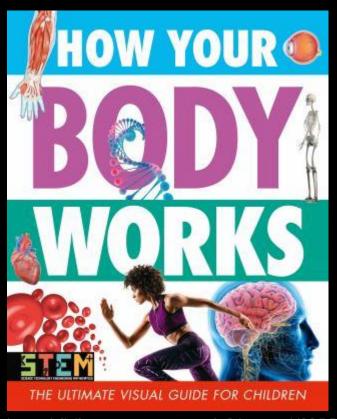
- Do you need to know both what was current knowledge during the story and what we currently know?
  - We call it "World War I," but would my character?
  - Medical terms especially will shift

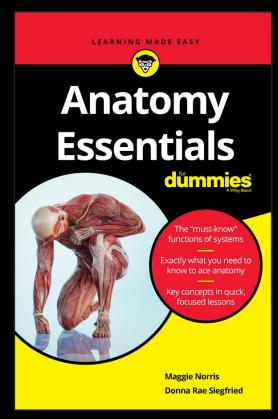
Image by <u>Jakub Luksch</u> from <u>Pixabay</u> Image by <u>Lukas Bieri</u> from <u>Pixabay</u>

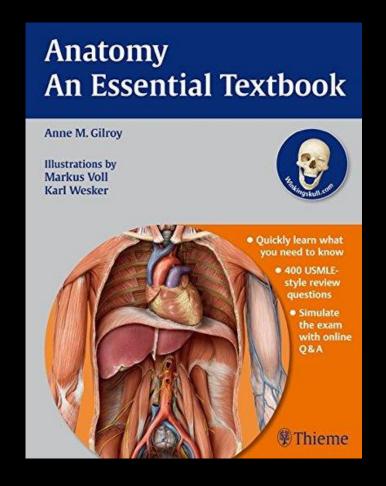


#### Relevance

Is it at the level of detail that you need?







#### Relevance

#### Writers

- How in-depth do you need to understand the topic to avoid critical research fails?
- Would being vague about something affect your target audience's enjoyment?



Image by <u>Kardono Kardono</u> from <u>Pixabay</u>

## Authority



"On the Internet, nobody knows you're a dog."

### Authority

- Who wrote it? (Individual or organization)
  - "About" page on a website or in a book
  - YouTube has an "about" section if you click on the channel information
- What qualifications do they have?
- Just because someone is an authority in one area, doesn't make them an authority in all areas!

### Authority

#### Writers

- Would my character trust and/or agree with this source?
  - Yes, you can intentionally get things wrong! You need to choose when!



Image by <u>Lukas Bieri</u> from <u>Pixabay</u>

#### Accuracy

- What is the tone of the information?
  - Does the creator seem biased?
  - Does it rely more on opinion than fact, more on emotion than logic.
  - Does it contain extensive flattery of people who agree with them, and personal attacks against those who disagree
- Do other sources agree with what you are reading?
- Look out for basic factual errors and/or grammar and spelling errors!



Image by <u>Clker-Free-Vector-Images</u> from <u>Pixabay</u>

#### Accuracy

#### Writers

- Was this believed to be accurate in the time I am setting my story?
- Would my character believe it is accurate for other reasons?



Image by <u>Clker-Free-Vector-Images</u> from <u>Pixabay</u>



### Purpose

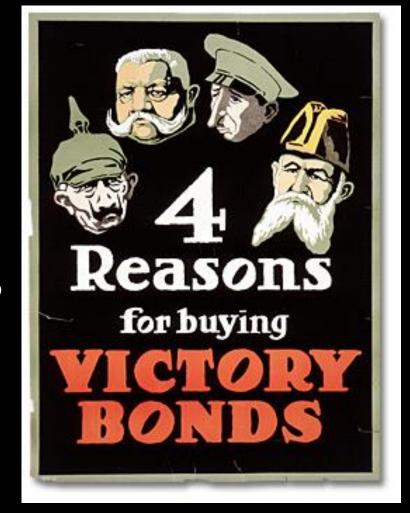
#### Why was this created?

- To teach?
- To entertain?
- To sell something?
- To further an agenda the creator has?
- A combination?

### Purpose

#### Writers

- If you are bringing some specific information into your world, how would your character interact with it?
- Eg: would they pick up on propaganda? Would they react negatively to it?

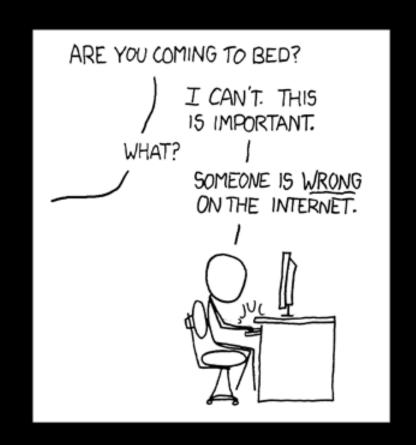


https://www.archives.gov.on.ca/en/explore/online/posters/index.aspx

#### Plot

#### Writers only

- Is getting this correct critical to the plot, or am I just being a perfectionist?
- How likely is it that someone will notice and care that it is incorrect?
- Do you want your readers to lose sleep?

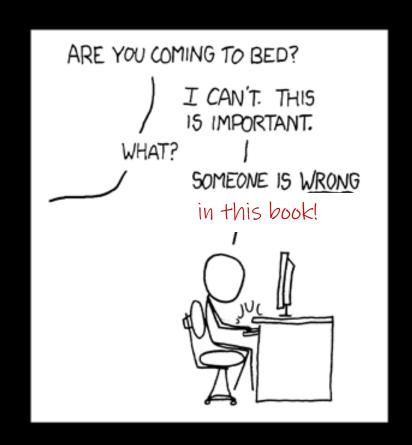


Source: https://xkcd.com/386/

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Source: https://xkcd.com/386/

### More about evaluating info sources

- University of Alberta
   https://pressbooks.openeducationalberta.ca/libraryskills200/chapter/evaluat
   ing-resources/
- University of Calgary
   <a href="https://libguides.ucalgary.ca/c.php?g=630437&p=4404569">https://libguides.ucalgary.ca/c.php?g=630437&p=4404569</a>
- Central Michigan University
   <a href="https://libguides.cmich.edu/web\_research/craap">https://libguides.cmich.edu/web\_research/craap</a>

# Sources for answering quick questions



### Should you use Wikipedia?

"the average science entry in Wikipedia contained around four inaccuracies; Britannica, about three"

Nature **438**, 900–901 (2005). <a href="https://doi.org/10.1038/438900a">https://doi.org/10.1038/438900a</a>

"...when the stakes are low (you need a piece of information to settle a bet with your roommate, or you want to get a basic sense of what something means before starting more in-depth research), you may get what you need from Wikipedia."

Harvard University Library <a href="https://usingsources.fas.harvard.edu/what's-wrong-wikipedia">https://usingsources.fas.harvard.edu/what's-wrong-wikipedia</a>



# Online encyclopedia: simple Wikipedia

Wikipedia entry too complicated?

https://simple.wikipedia.org/wiki/Main\_Page

"...makes Simple English articles a good way to understand difficult articles from the ordinary English Wikipedia. If someone cannot understand an idea in complex English, they can read the Simple English article."

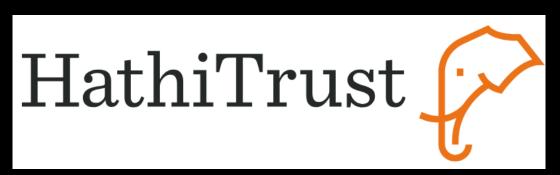
https://simple.wikipedia.org/wiki/Wikipedia:About#Simple\_English

# Online collections of free sources for in-depth research:

Books, magazines, catalogues, etc.

## Books, catalogues, magazines! Oh, my! Hathi Trust

- https://www.hathitrust.org/
- 18 million+ digitized books, magazines, etc.
- "Reading access to the fullest extent allowable by U.S. and international copyright law"
  - Mostly stuff originally published 95+ years ago
- Global in scope
  - Several Canadian institutions (including the University of Calgary and the University of Alberta) are contributors



https://www.hathitrust.org/about/mission-history/

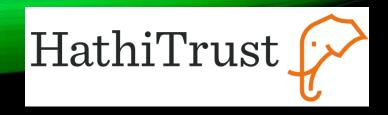
https://www.hathitrust.org/about/

https://www.hathitrust.org/member-libraries/member-list/



## Who would be most interested?

- Historical fiction or fantasy writers
  - Want to write something like Pride and Prejudice and Zombies? All the novels here are probably public domain – adapt away!
- Science Fiction writers with time-travel plot lines
- Anyone wanting <u>detailed</u> descriptions & drawings of plants and animals
- People wanting to get into the heads of individuals with older viewpoints



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- People wanting to get into the heads of individuals with older viewpoints
- Tech-savvy ghosts wishing to read things published during their lives

## HathiTrust





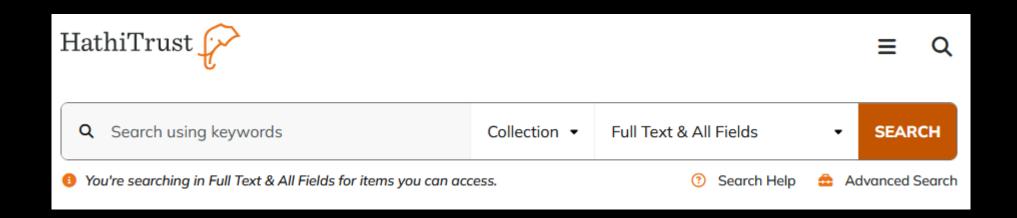
Sears, Roebuck and Company. (1918) [Catalog]. Philadelphia: Sears, Roebuck and Company. https://hdl.handle.net/2027/uiuo.ark:/13960/t75t81s47

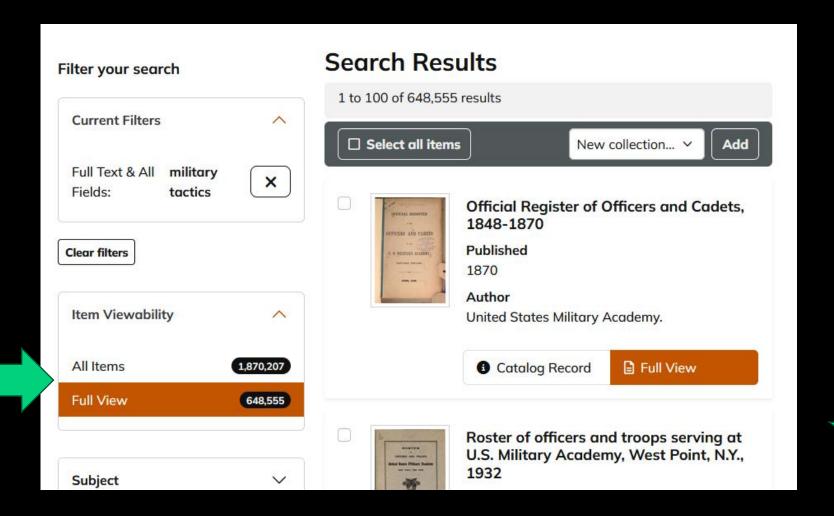
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

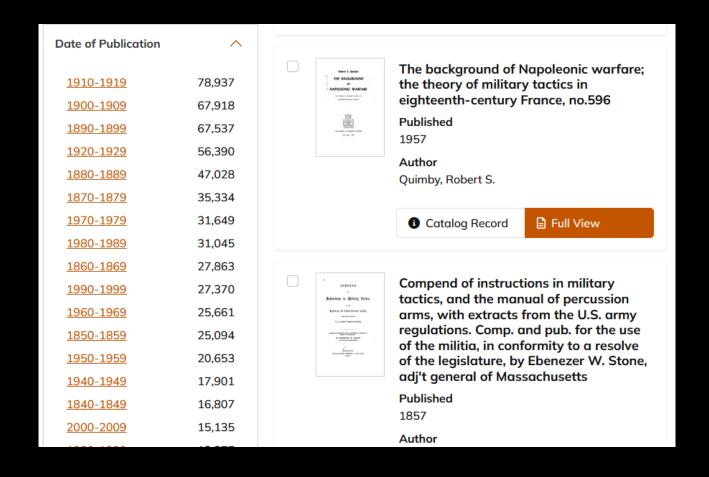
Sowerby, G. B. (1841). The conchological illustrations. London: Sowerby

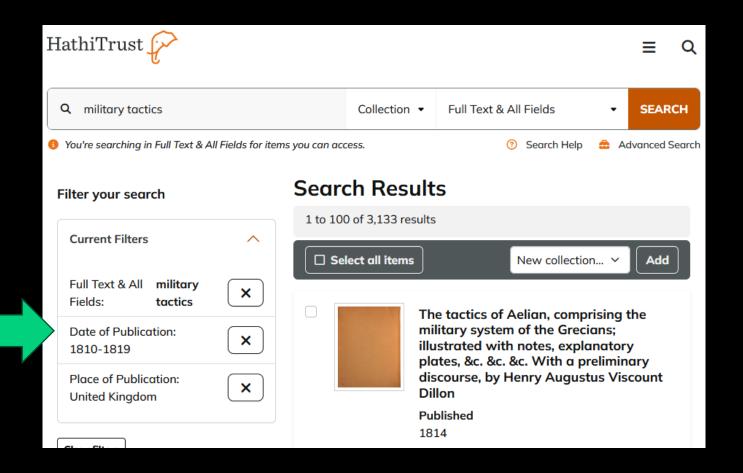
https://hdl.handle.net/2027/mdp.39015061993237

https://www.hathitrust.org/

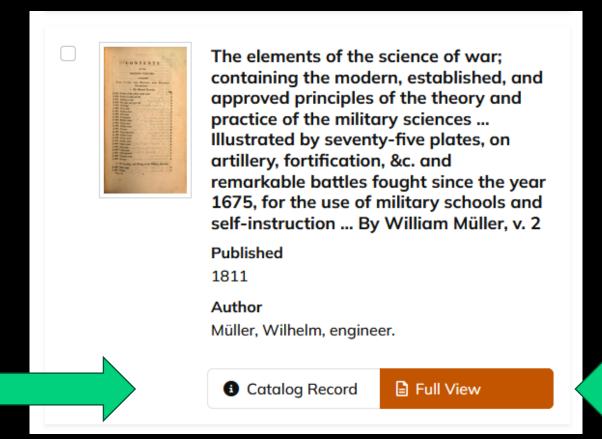




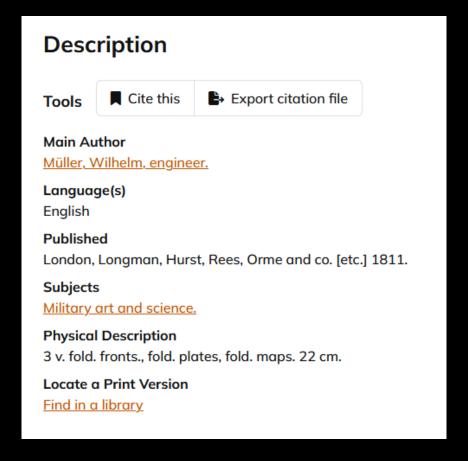




### Searching HathiTrust



### Searching HathiTrust



# Other Open sources for books, catalogues, & magazines

- Project Gutenberg <a href="https://www.gutenberg.org/">https://www.gutenberg.org/</a>
  - ~70,000 books
  - Focused on older books that are no longer under copyright (generally published over 95 years ago)
  - Heavy focus on novels & short stories
- Directory of Open Access Books (<a href="https://www.doabooks.org/">https://www.doabooks.org/</a>) and Online Library of Open Access Books (<a href="https://www.oapen.org/">https://www.oapen.org/</a>)
  - Two services offered by the same organization slightly different search results
  - Academic, peer reviewed.
  - Global scope.
  - Primarily focused on books published after ~1950.

### Online collections of free sources for educational content:

Modern textbooks, lecture slides, etc.



# Textbooks, lectures, etc.: Open Educational Resources Commons

- https://oercommons.org/
- Over 50,000 resources
- Mostly published in the last 20 years
- Many resources associated with taxpayer funded places (eg: public school boards, publicly-funded post-secondary education)
- Huge range in technical levels (K → post-graduate)



### Who would be most interested?

- Most fiction genres, edutainment content creators
- People who learn better from resources designed for teaching/learning
- Parents looking for help & alternate learning resources for kids struggling to learn something



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- Most fiction genres, edutainment content creators
- People who learn better from resources designed for teaching/learning
- Parents looking for help & alternate learning resources for kids struggling to learn something
- Aspiring supervillains kicked out of post-secondary education for...ethically dubious conduct

#### Searching

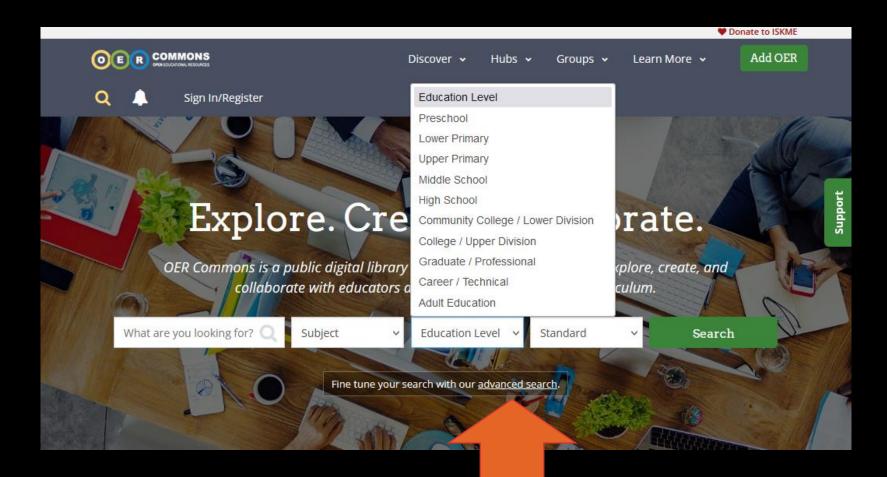




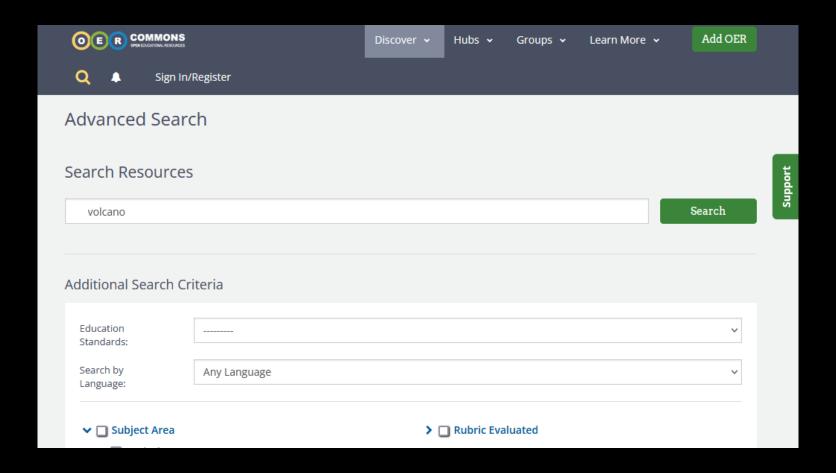
### Searching OER COMMONS OPEN EDUCATIONAL RESOURCES



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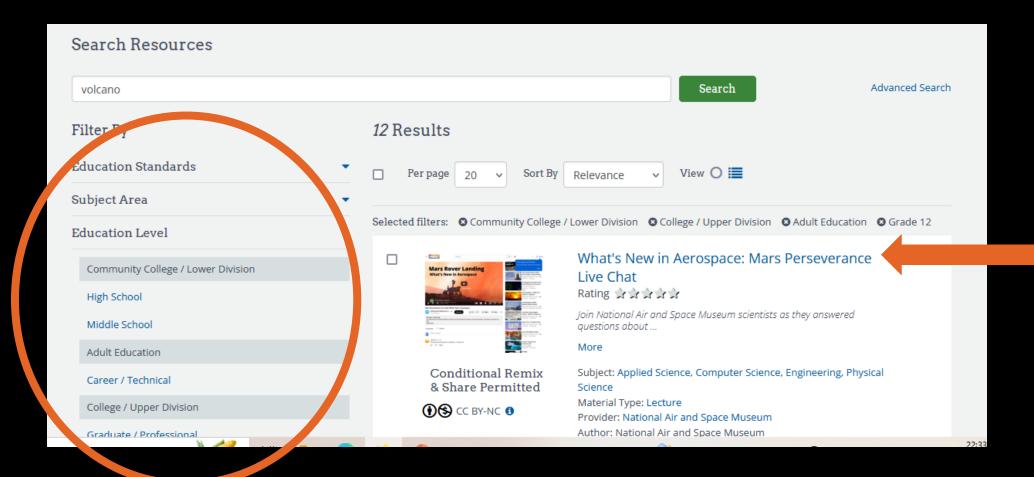


### Searching OER COMMONS OPEN EDUCATIONAL RESOURCES

Mathematics > Upper Primary Physical Science Social Science ▼ □ Educational Use ▼ ☐ High School Curriculum/Instruction Grade 9 Assessment Grade 10 Professional Development Grade 11 ☐ Informal Education Grade 12 Other ✓ Community College / Lower Division College / Upper Division ☐ Graduate / Professional **Activities & Assignments** Career / Technical ☐ Activity/Lab Adult Education Assessment ☐ Homework/Assignment Media Format

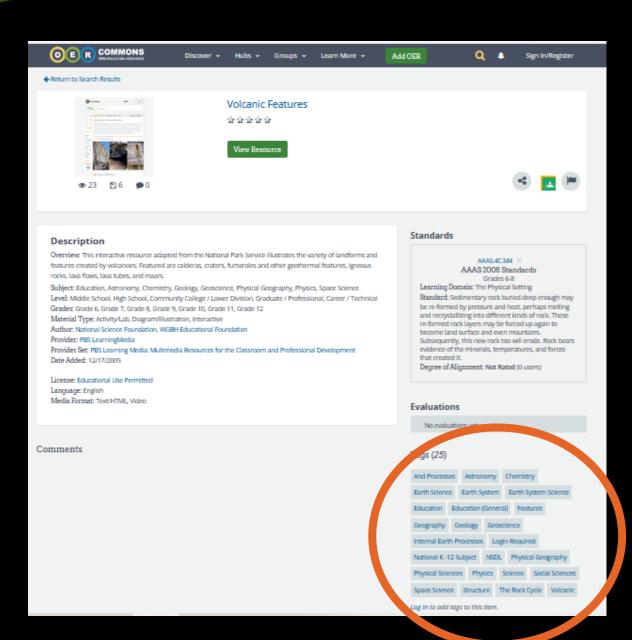
#### Searching





#### Searching





### Searching OER COMMONS OPEN EDUCATIONAL RESOURCES

• Note: it does not search the entire full text of the resource – the search tool seems to only look through the same stuff you see in the item record. Search related terms!

# Textbooks, lectures, etc. Other Open Education databases

#### Canadian

- Open Education Alberta <a href="https://pressbooks.openeducationalberta.ca/catalog/">https://pressbooks.openeducationalberta.ca/catalog/</a>
- BC Open Campus <a href="https://collection.bccampus.ca/search/">https://collection.bccampus.ca/search/</a>
- eCampus Ontario <a href="https://openlibrary.ecampusontario.ca/">https://openlibrary.ecampusontario.ca/</a>

#### <u>International</u>

- Merlot <a href="https://www.merlot.org/merlot/index.htm">https://www.merlot.org/merlot/index.htm</a>
- American (Many have Canadian and other content)
- Libre Texts <a href="https://commons.libretexts.org/catalog">https://commons.libretexts.org/catalog</a>
- Open Textbook Library <a href="https://open.umn.edu/opentextbooks">https://open.umn.edu/opentextbooks</a>
- Open Stax <a href="https://openstax.org/subjects">https://openstax.org/subjects</a>



Recruiting your army of high-quality minions & henchpersons for rapid global domination!



Image by <u>Clker-Free-Vector-Images</u> from <u>Pixabay</u>

# Recruiting your army of experts



- Talk to people around you!
- Join a combat-sport club (fencing, karate, etc.)
- Attend Alumni events!
   Convince you partner to
   take you to their alumni
   events!

#### Other (almost) free resources

#### Usually free if you have a library card

#### Interlibrary Loans (ILL)

- Request physical items from other libraries be shipped to your library.
- Works for "known items" it exists, but your library doesn't have it.
  - Ask your librarian to help you track it down
- Usually successful, however, the library you request from may refuse to send the item.



#### Do you have alumni access to \$\$\$\$ resources?

 Many post-secondary libraries now give some access to online resources to Alumni! Check it out!

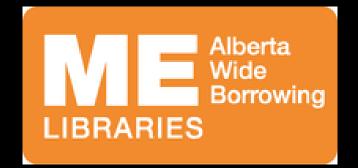


Image by <u>Mohamed Hassan</u> from <u>Pixabay</u>

#### Alberta library resources

Free to all Albertans with a library card!

- Borrow from Alberta Public Libraries <u>https://melibraries.ca/help.php</u>
- Borrow from Alberta post-secondary libraries <u>https://www.thealbertalibrary.ca/tal-card.html</u>





Alberta Legal Information sources: mostly free to Albertans

https://lawlibrary.ab.ca/services/services-to-the-public/
 Note: there are similar services in other Provinces & Countries braries



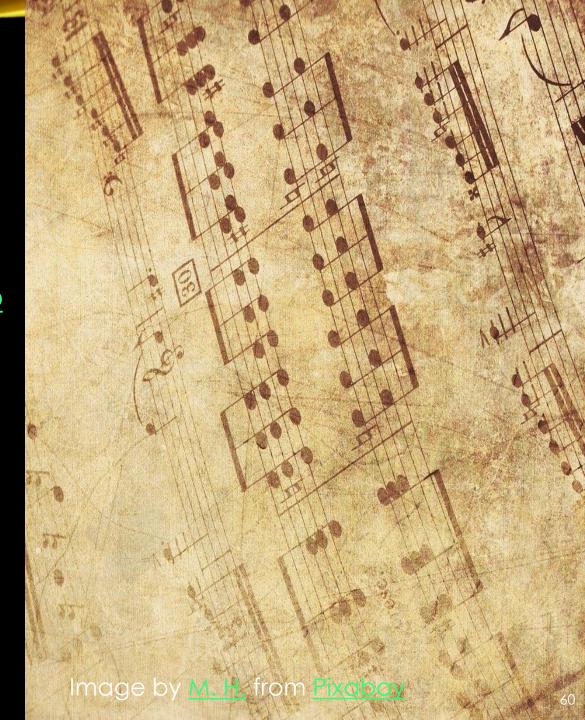
#### Writing soundtracks

#### National Jukebox

- https://www.loc.gov/collections/natio nal-jukebox/about-this-collection/
- Public Domain Recordings from the US (mostly pre-1925)

#### Radiooooo.com

- "Musical Time Machine"
- Search by decade and country
- I don't know the copyright status of the music on this page! Listen, but proceed with caution if you are a podcaster



### QUESTIONS?

Download these slides:

https://theunrestrictedlibrarian.com/when-words-collide-2024/

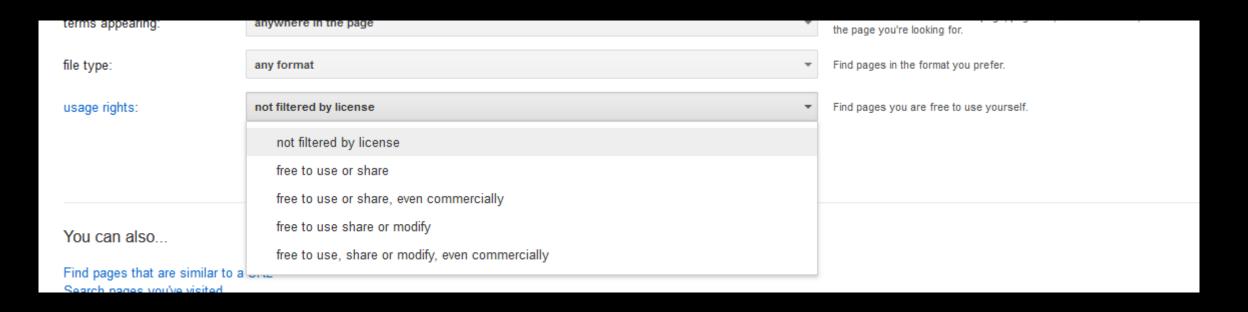
Contact Cheryl:

https://theunrestrictedlibrarian.com/contact/



# When the library is closed, and all else fails: Google it!

- Google advanced search: select "free to use or share" usage rights
- https://www.google.ca/advanced\_search



### ACADEMIC SOURCES DOAJ

- Directory of Open Access Journals <a href="https://doaj.org/">https://doaj.org/</a>
- Over 20,000 peer-reviewed journal titles, over 10,000,000 articles
- Global coverage, broad range of subjects
- Academic articles
- Roughly 75% of articles are less than 25 years old







https://opendissertations.org/



Millions of masters and doctoral theses, across dozens of subject areas, languages, etc.



VERY broad subject areas. If you can imagine a person getting a graduate degree in it, there is likely at least one thesis on the topic



Can be much, much more technical than you want or need

# OPEN DISSERTATIONS: HOW TO DOWNLOAD

◆Result List Refine Search ◆ 8 of 1,238 →

#### "Dead, to begin with": The Role of **Ghosts** in Charles Dickens's A Christmas Carol

Authors: MacNeil, Catherine

Committee

Brown, Collier; Lynch, Deidre

Members:

Year:

2022

Document Type: Thesis or Dissertation

Subjects: A Christmas Carol

Charles Dickens
Christianity
Ghosts
Gothic
Spiritualism
English literature

<u>Literature</u> <u>Spirituality</u>

Language: English

Summary: An exploration of the role of the ghosts in Charles Dickens's "A Christmas Carol", specifically considering the

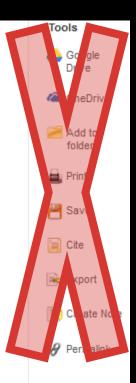
influence of religion, the eighteenth century Gothic tradition, and the nineteenth century ghost story on Dickens's choices when crafting the novel. This work seeks to examine how and why the ghosts determine the course of

Scrooge's future. Essentially - why ghosts?

University: Harvard University

URL: <a href="https://nrs.harvard.edu/URN-3:HUL.INSTREPOS:37371547">https://nrs.harvard.edu/URN-3:HUL.INSTREPOS:37371547</a>

Accession Number: ddu.oai.dash.harvard.edu.1/37371547





# Most frequently encountered types of free information

- Open Access (Open Knowledge, Open Education...variety of names
  - Has no paywalls or other financial barriers
  - Has no or limited legal barriers to how you can use it
  - Has no technical barriers to access for people with basic internet access
  - <a href="https://theunrestrictedlibrarian.com/why-is-open-access-important/">https://theunrestrictedlibrarian.com/why-is-open-access-important/</a>
- Public Domain
  - Creator is too dead to care if you use it
  - Information was never under copyright (some government publications, some creative commons licenses)

# Most frequently encountered types of free information

- Paid for in other ways
  - YouTube ads pay for content
  - Wikipedia has requests for donations
  - Tax dollars funding libraries
- Unethically obtained information
  - Please consult with a librarian for alternate, legal alternatives before choosing crime.

#### Medical Information

- https://www.mayoclinic.org/diseases-conditions
- https://www.nih.gov/health-information
- https://www.canada.ca/en/health-canada/services/healthy-living/yourhealth/alphabetical-list.html
- https://www.webmd.com/
- https://www.drugs.com/ and https://www.webmd.com/drugs/2/index
  - US centric, drugs may have different names