Finding Open Educational Resources (OER)

Taylor Institute Open Educational Resources Workshop Series

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Open Education Librarian

Libraries and Cultural Resources
March 16, 2022

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We would like to acknowledge the traditional territories of the people of the Treaty 7 region in Southern Alberta, which includes the Blackfoot Confederacy (comprising the Siksika, Piikani, and Kainai First Nations), as well as the Tsuut'ina First Nation, and the Stoney Nakoda (including the Chiniki, Bearspaw, and Wesley First Nations). The City of Calgary is also home to Métis Nation of Alberta, Region 3.

By the end of this session, you should be able to...

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- Describe key aspects of an OER that should be assessed before use
- Conduct a preliminary search for OER
- Identify key search tools for finding OER, openly licensed media, and ancillary content

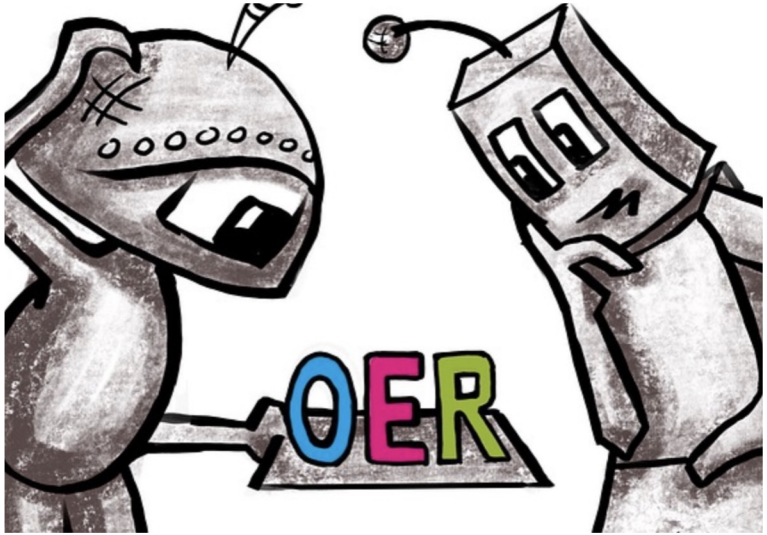
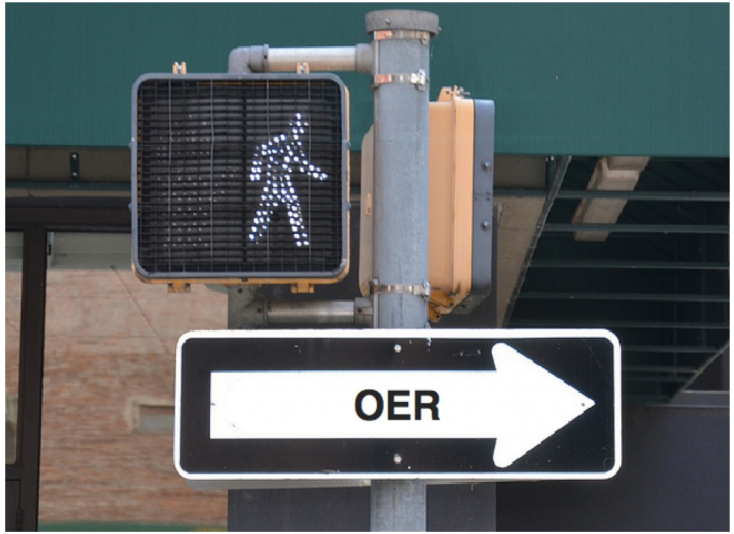


Image by Annett Zobel from Pixabay

Agenda

- What are OER?
- Openness and Licensing
- Considerations when Searching for OER
- OER Repositories
- Search Tips
- Evaluating OER
- Attributing OER
- Conduct a Search for OER



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Handout for workshops: https://bit.ly/ucoerhandout

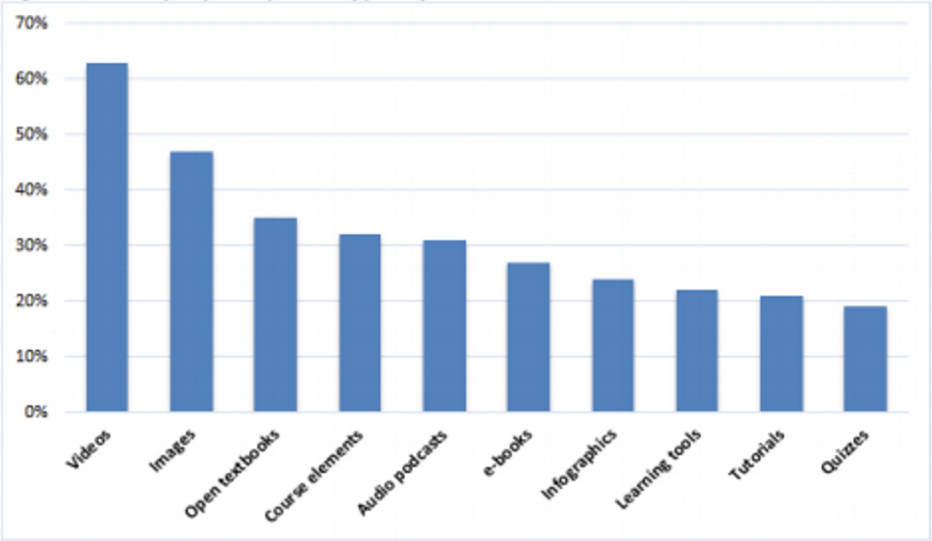
Please share:

How have you used OER or how would you like to use OER in your teaching?

Is licensing the most important question for OER
by opensource.com is licensed under CC BY-SA 2.0.

Open Access vs. OER

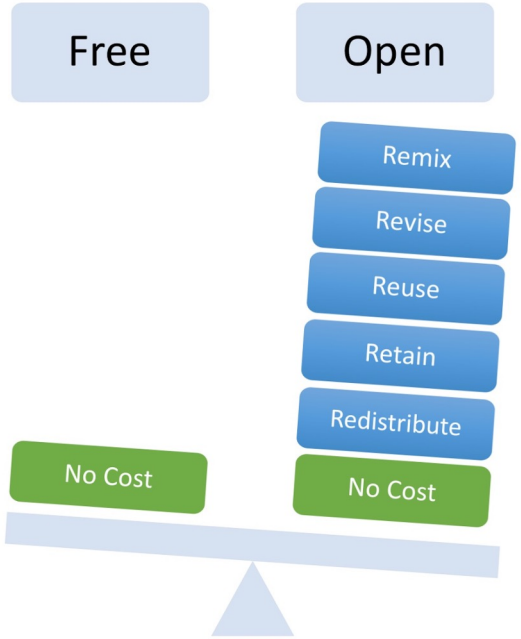
Figure 7: Most frequently used types of OER



Jhangiani, R. S.,Pitt, R., Hendricks, C., Key, J., & Lalonde, C. (2016). Exploring faculty use of open educational resources at British Columbia post-secondary institutions. BCcampus Research Report. Victoria, BC:BCcampus., CC Attribution 3.0 Unported

Open Educational Resources (OER) are teaching, learning and research materials in any medium – digital or otherwise – that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation and redistribution by others with no or limited restrictions. - UNESCO

What Makes an Educational Resource “Open”?



Retain: The right to make, own, and control copies of the content

Reuse: The right to use the content in a wide range of ways

Revise: The right to adapt, adjust, modify, or alter the content itself

Remix: The right to combine the original or revised content with other material to create something new

Redistribute: The right to share copies of the original content, your revisions, or your remixes with others

Free vs Open is a part of Introduction to OER by Rachel Arteaga and Suzanne Wakim. This work is licensed under a Creative Commons Attribution 4.0 International License.

How to Use OER in Your Teaching

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Adopting

Adoption without alteration of a freely accessible text or resource in your course. May also include curating varied media to support learning.

Adapting

Alteration, remixing, or other adaptation of open texts or resources to add context or improve for local use, including applying an open license.

Creating

Creating teaching materials and applying an open license and/or uploading it to an open repository or website.

OER-Enabled or Open Pedagogy

Engaging students as co-producers in a course through the collaborative development, adaptation, or use of open educational resources.

Adapted from Spectrum of Open Practice by Cindy Underhill licensed under CC BY-SA 3.0.

forall$x$
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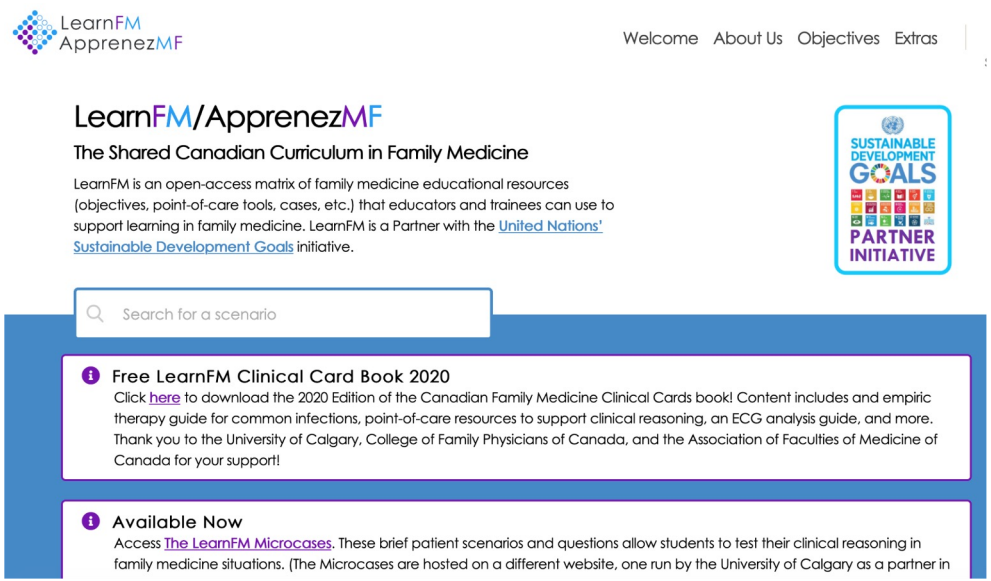
An Introduction to Formal Logic

Read more at http://forallx.openlogicproject.org/
or at
https://openlogicproject.org



Read more at https://learnfm.ucalgary.ca/

Energy Education: Co-Design OER Project

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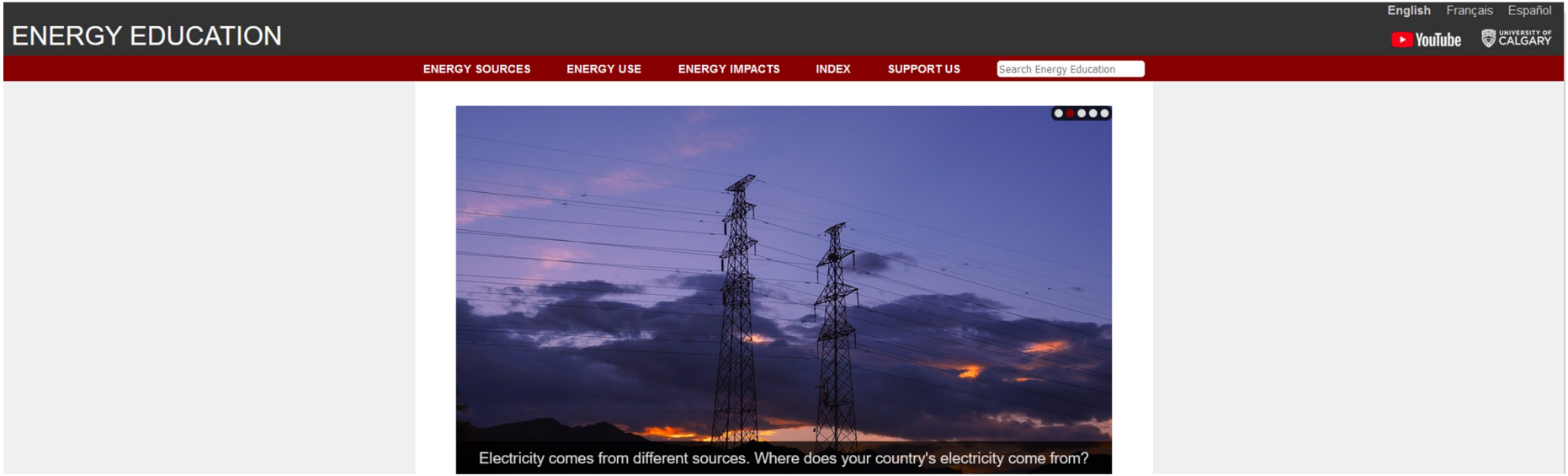
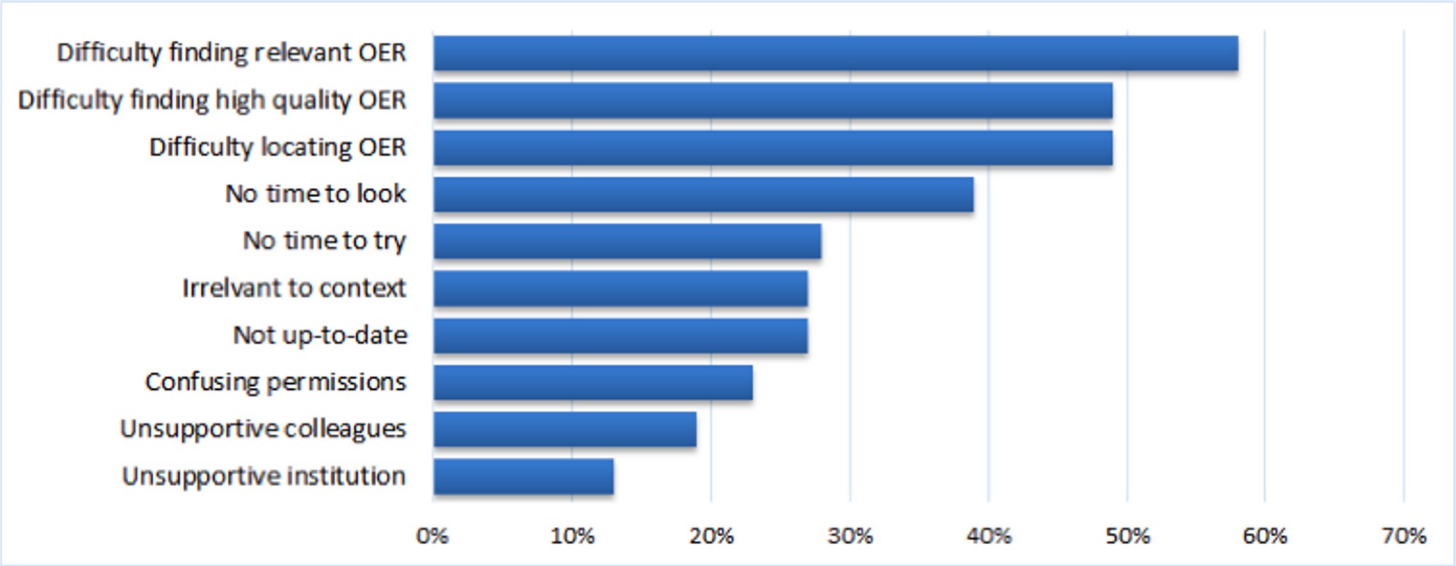


Read more at: https://energyeducation.ca/encyclopedia/Main_Page

Challenges of using OER - Finding Them!



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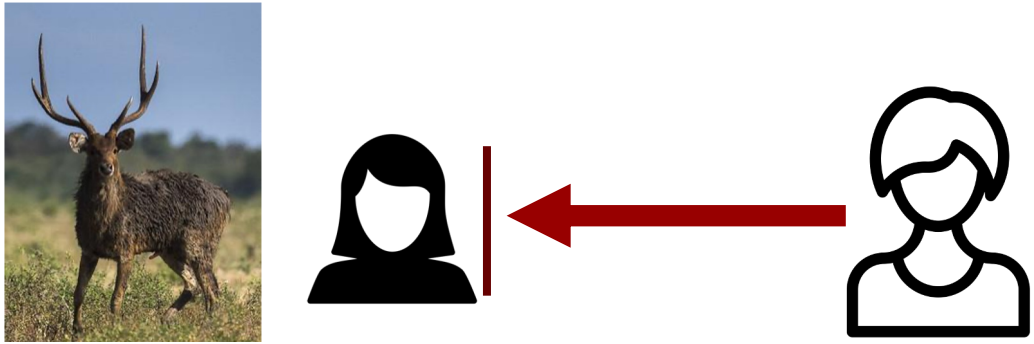
Openness, Licensing, Permission



- Photo taken by Rie
- Rie is the copyright holder.

If an instructor wants to use Rie's photo for their open presentation/textbook, they will need to get **permission** from Rie.

Sample photograph: "Javan Deer Stag" by Francesco Veronesi licensed under CC SA 2.0

Creative Commons Licenses

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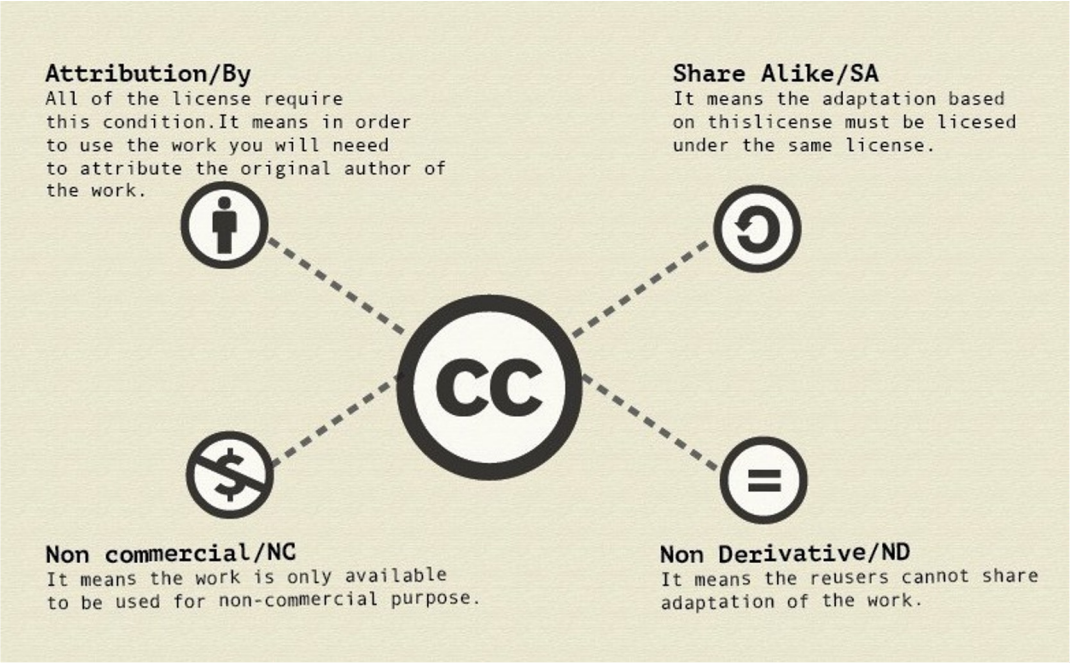
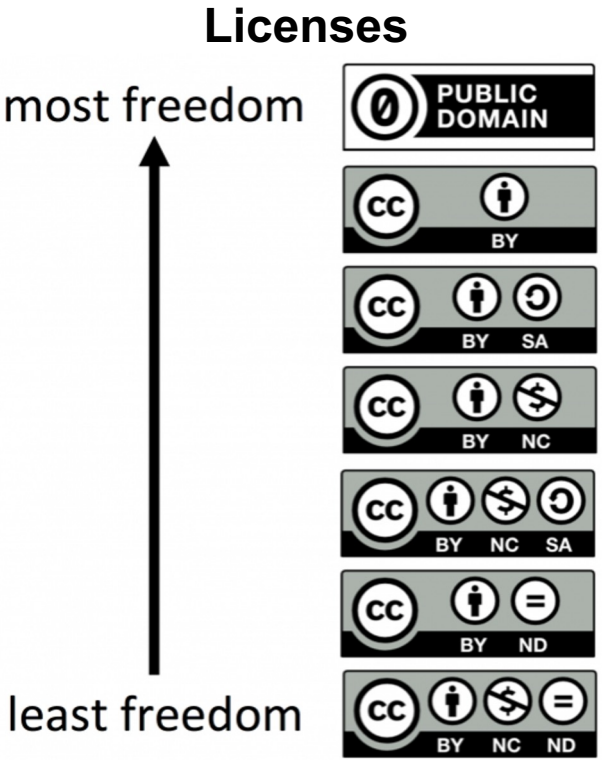
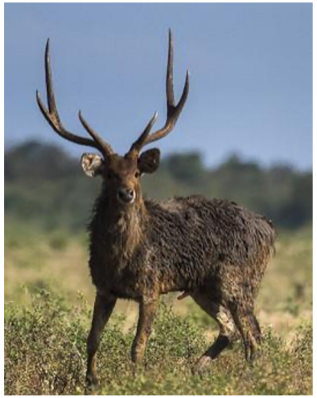




Anatomy of a CC License by Rie Namba, licensed CC BY 4.0
Restriction Icons downloaded separately from Creative Commons, CC BY 4.0

Note: Copyright status does not change when an open license is assigned



Attribution: "Javan Deer Stag" by Francesco Veronesi licensed under CC SA 2.0

- Photo taken by Rie
- Rie is still the copyright holder.
- **Rie decided to license her work as Creative Commons Attribution License (CC-BY)**

As long as the instructor **credit/attributes Rie**, the instructor has permission to use Rie's photo

Please share:

Imagine you have to find an OER for one of your courses. What questions might you ask yourself before starting?

How/where might you start your search?

Is licensing the most important question for OER by opensource.com is licensed under CC BY-SA 2.0.

Considerations for Finding OER

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1. **How do you plan on using the resource?**
   - Will you be adopting, adapting, or creating an OER?
   - Do you need an item in a particular format or on a particular platform?
   - What license will be compatible with how you want to use the material?

2. **What are your learning/ teaching objectives?**
   - Are you looking for a particular type of learning object (textbook, video, image, podcast, simulation, etc.)?
   - Do you want resources to be peer-reviewed?
   - Do you want subject-specific or interdisciplinary material?
   - What accessibility needs do your students have?

Where to Search for OER

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Open Educational Resource Repositories (OERRs)

- Aggregators
  - OASIS Search: http://oasis.geneseo.edu
  - Mason OER Metafinder (Google Mason OER Metafinder)
- Archives
  - PRISM: https://prism.ucalgary.ca/
- Aggregator/Archives
  - OER Commons: https://www.oercommons.org
  - Merlot: https://www.merlot.org

LCR OER Research Guide has a list of repositories to help get you started!

Adapted from: Finding Educational Resources by Erin Fields, licensed under CC-BY-NC 2.0

OER Search Strategies

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- Start broad & refine keywords
- Add “OER” to your Google search
- Keep your search current
- Use filters when possible
- Compile a search results document
- Keep an open mind

Where to Search for OER: Google Advanced Search

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italian AND grammar

All | Images | Videos | Shopping | Books | More | Settings | Tools

About 275,000,000 results (0.78 seconds)

Italian grammar is the body of rules describing the properties of the **Italian** language. **Italian** words can be divided into the following lexical categories: articles, nouns, adjectives, pronouns
interjectic

Search settings
Languages
Turn on SafeSearch
Hide private results
Advanced search
tivity
in Search
lp

not filtered by licence

- not filtered by licence
- free to use or share
- free to use or share, even commercially
- free to use share or modify
- free to use, share or modify, even commercially

Additional Options*

- Site or domain
- Last updated
- File Type

**Dependent on creator supplied metadata*

Adapted from: Open Education Repositories by Erin Fields, licensed under CC-BY-SA 4.0

MERLOT Search Demo

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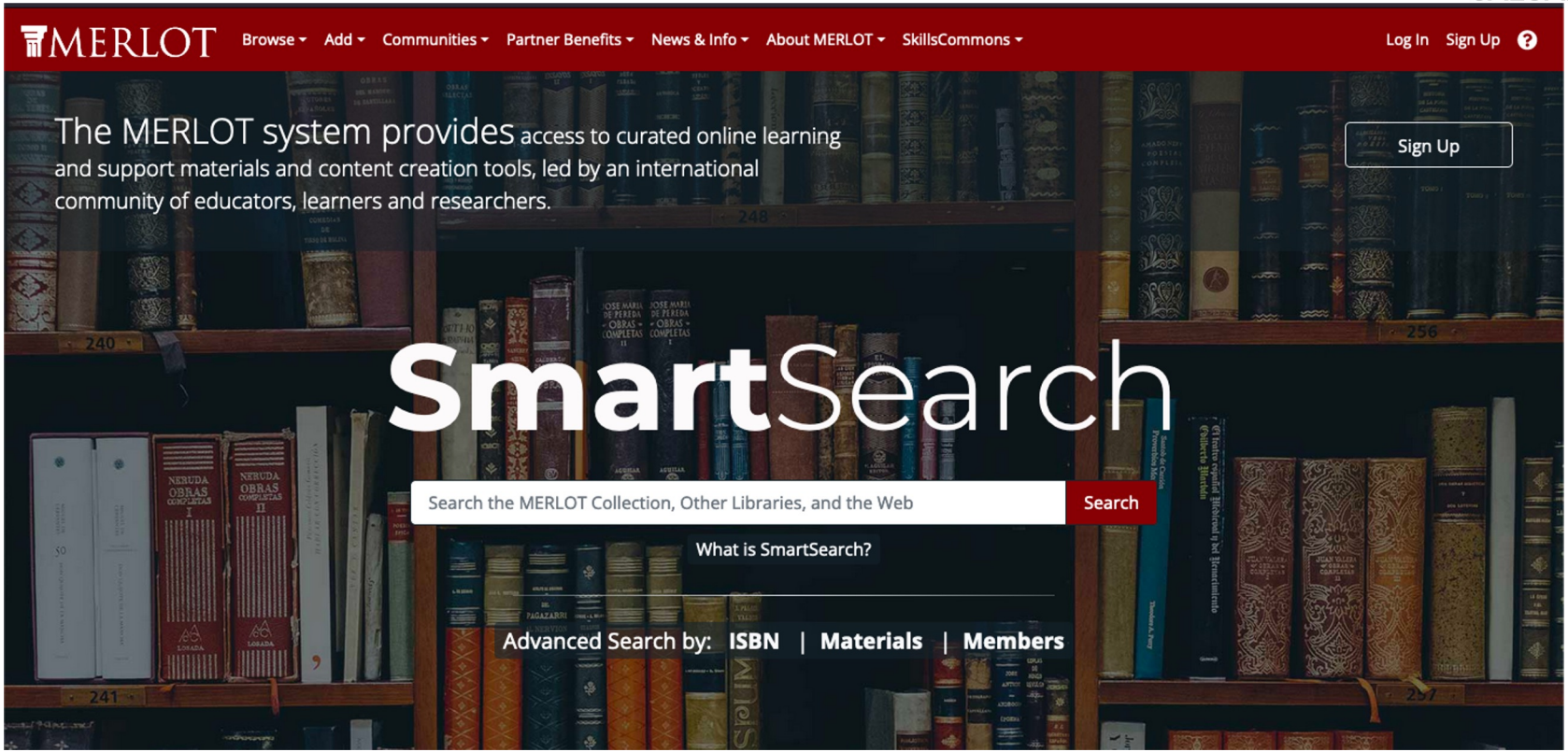

OER Repositories by Material Type or Discipline

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Search for:

- ★ Open Textbooks
- ★ Journal Articles
- ★ Problem Banks
- ★ Images
- ★ Data
- ★ Courses

Search larger repositories and filter by subject/discipline

Guides with discipline specific places to look:

Humboldt State UBC McMaster BCcampus

Examples of subject OER repositories:

- Chem Collective: *Chemistry*
- COERLL: *Languages*
- Open Geography Education: *Geography*
- Green Tea Press Textbooks: *Computer Science, Programming* (Bayes, Python, MATLAB, Java, DSP)

Evaluating OER

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What to look for:

- Relevance
- Interactivity
- Accessibility
- Licensing
- Quality
- Accuracy

Resources:

- UCalgary OER Libguide section on Evaluating OER
- Checklist for Evaluating Course Materials by Open Oregon

Adapted from: Finding Open Educational Resources (OER) by Kira Vandermuelen licensed under CC-BY-SA 4.0

OER Attribution

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T = Title

A = Author

S = Source

L = Licence

Open Attribution Builder from Open Washington

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Finding OER Licenses

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Save ▾ Evaluate Align

Tags (9)

Computer Science | Computing and Information | Engineering | NSDL | Quality Assurance | Software Engineering | Software Testing | Software Verification and Validation | Technology

Log in to add tags to this item.

Conditions of Use:

Creative Commons Attribution-Share Alike 2.0

Copyright Holder:
Cem Kaner

Use Guideline

Conditions of Use: Remix and Share

Additional Topics

Previous | Return to Search Results | Next

Rating: ★★★★★

1 6 9

View Resource

Author: Association for Software Testing, Cem Kaner, Douglas Hoffman, James M. Bach, Rebecca L. Fiedler
Subject: Computer Science, Engineering
Provider: Center for Software Testing Education and Research
Provider Set: Black Box Software Testing
Level: Community College / Lower Division, College / Upper Division, Graduate / Professional, Career / Technical

Language: English
Material Type: Activity/Lab, Full Course, Lecture Notes, Unit of Study
Media Format: Video

Abstract: This subset of the Black Box Software Testing collection includes resources to teach quality cost analysis, combination testing, regression testing, GUI regression automation, high volume test automation, requirements analysis, test documentation, test scripts, and scripted testing and inattentional blindness. Resources include lecture videos, slides, activities, and suggested readings.

If you can't find the license information within the resource, look for the words:

- **Copyright**
- **Licensing**
- **Terms of Use**
- **Conditions**

Activity: OER Treasure Hunt

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Find potential resources for your teaching and learning.

Using the OER Treasure Hunt Worksheet as a guide you will:

- Develop search terms
- Plan where to search
- Assess the OERs you find
- Reflect on how you might use or adapt the OERs

Link to worksheet: https://bit.ly/findingoertreasurehunt

Note: Create a copy of the OER Treasure Hunt Worksheet.

Funding for OER at UCalgary

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There is a special stream of funding for OER through the Taylor Institute Teaching and Learning Grants. Use the general grant application to apply and specify OER where applicable.

- ★ The deadline recently passed for this year's grant applications.
- ★ Information about the next round of grant applications will be provided in the Fall term.

Read more at https://taylorinstitute.ucalgary.ca/grants

Wrap-up

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Please share:

- One thing from this session that surprised you
- One thing from this session that you will take away or incorporate into your teaching

- **March 17: Getting Started on Creating OER**

https://taylorinstitute.ucalgary.ca/workshop-series/open-educational-resources

Contacts

Get in touch!

OER questions or consults: oer@ucalgary.ca

Sarah: sarah.adams1@ucalgary.ca

Alex: alexandra.alisauskas@ucalgary.ca

Or contact your subject librarian.

Evaluation survey:

https://survey.ucalgary.ca/jfe/form/SV_572t8HNNvhpWjNs

Materials Adapted From...

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Langille, Donna. (2021). *Finding open educational Resources: Open educational resources training series* [Google Slides]. Open UBC.

McNutt, K., & Wakaruk, A. (2017, October 24). *Speedy Intro to Open Education* [Google Slides]. Centre for Teaching and Learning, University of Alberta. https://docs.google.com/presentation/d/1uwU_vRxUXMAdS3nqtVAm4Ffg-gqjMdM98Oc_F0iCiDs/view

Quail, S. (n.d.) *An Introduction to Open Education* [Google Slides]. https://docs.google.com/presentation/d/1xRn2b81T8bLthRjikQeRwE46ITzCXrgFGLMRSEseWns/edit?usp=sharing

University of British Columbia. (2021). The Program for Open Scholars and Educators (POSE)[Online course]. https://pose.open.ubc.ca