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# Find, Use, and Share Open Educational Resources

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BCcampus

August 1, 2024

Download these slides:  
[bit.ly/finduseshareoer](https://bit.ly/finduseshareoer)



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BCcampus.ca

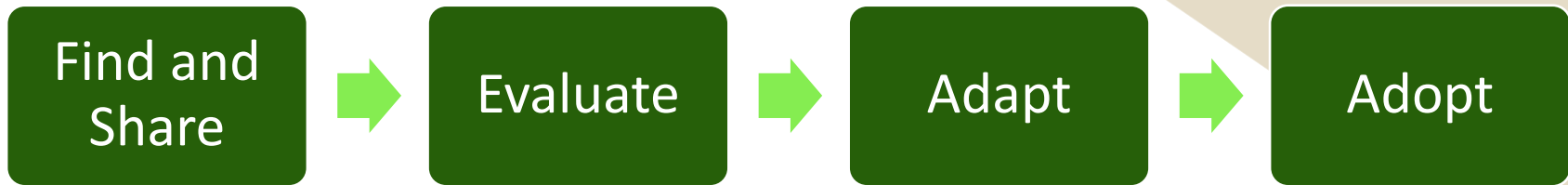
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# Session Overview

- What are open education and open educational resources
- Basics of copyright and open licenses
- Why use and create OER
- Getting started with OER:

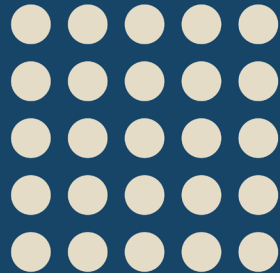




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# What is Open Education



# Examples of open education in practice

<b>What it may look like</b>	<b>What it's called</b>
Open Educational Resources (OER)	Educational resources shared and edited for free
Massive Open Online Courses (MOOCs)	Free, online courses that anyone can enroll in
Open access (OA)	Scholarly research available for free
Open pedagogy	Opening up teaching practices and giving students choice and input

# Open Educational Resources (OER)

Any resource used for teaching and learning that is in the public domain or under an open license that gives anyone anywhere permission to **keep, share, edit, and remix** the content without needing the original creator's permission.



# Examples of OER

Textbooks

Labs

Videos

Case  
studies

Slides

Practice  
problems

Images

Podcasts

Guides

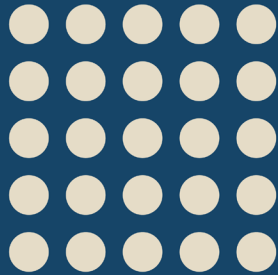




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# Copyright, Open Licenses, and the Public Domain



# Copyright ©


Copyright is the legal framework for protecting the intellectual property of creative works.

It is collection of rights defined under the *Copyright Act*:

- Only the copyright holder has permission to reproduce, adapt, and share the work.
- Copyright protection is automatic. It's not something you have to apply for.







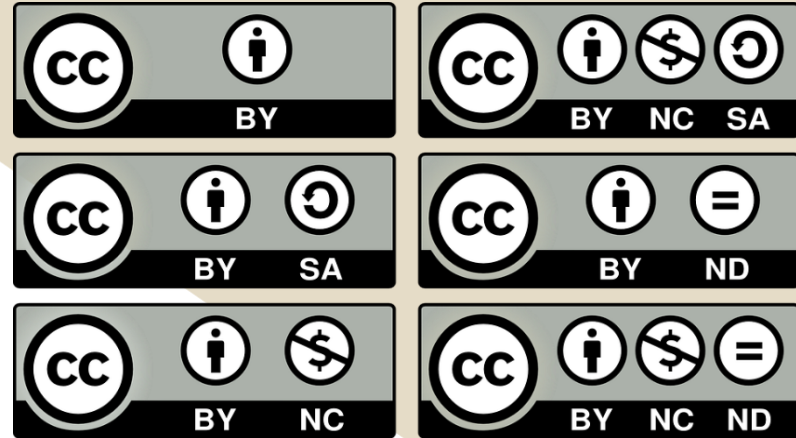
“Open education combines the established tradition of sharing good ideas with fellow educators and the collaborative, interactive culture of the Internet. It is built on the belief that everyone should have the freedom to use, customize, improve, and redistribute educational resources without constraint.”

— Cape Town Open Education Declaration, 2007



# Creative Commons Licenses

- BY = Attribution
- SA = Share Alike
- NC = Non-commercial
- ND = No Derivatives



# Things to know about openly licensed content

- The copyright holder of an openly licensed resource retains copyright over the materials and are not bound to the terms of the license.
- Creative Commons licenses are “non-exclusive,” meaning the copyright holder can apply a different license to the content in the future.
- Once someone gets a copy of an openly licensed resource, the permissions granted by that license cannot be revoked as long as they follow the terms of the license.

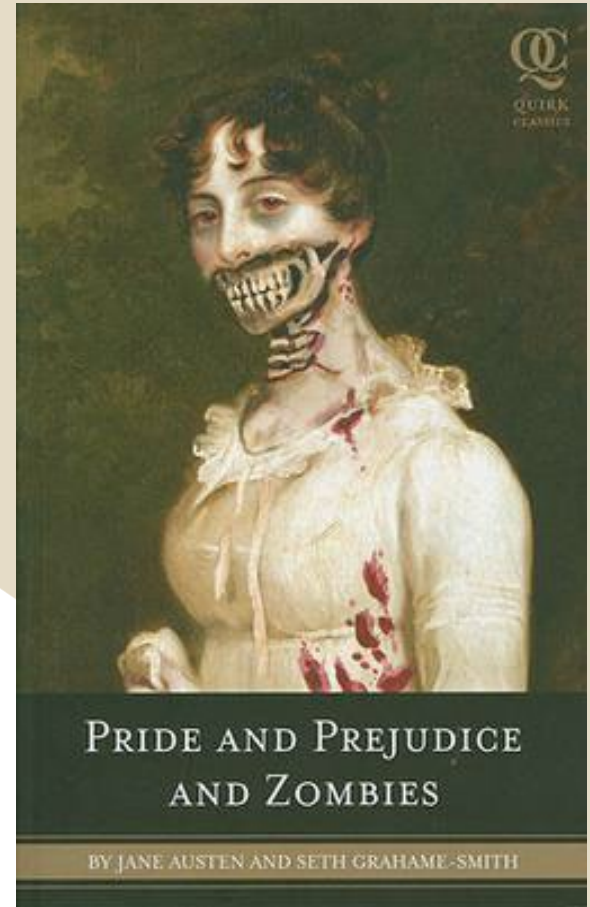




# Public Domain

70 years after the death of the author, copyright expires and their works will enter the public domain.


Content in the public domain is available for anyone to use, share, and adapt for free.





# Creative Commons Zero (CC0)

CC0 can be used by a copyright holder to dedicate their work to the public domain right away.



**J.S. Bach: Goldberg Variations, BWV 988 (The Goldberg Variations)**  
Kimiko Ishizaka, Piano

**PREVIEW** Kimiko Ishizaka

+ Save on Spotify

⏪ ⏩ ... ▶

1	<b>Aria</b> Kimiko Ishizaka	04:59
2	<b>Variatio 1. a 1 Clav.</b> Kimiko Ishizaka	01:55
3	<b>Variatio 2. a 1 Clav.</b> Kimiko Ishizaka	02:03
4	<b>Variatio 3. Canone all Unisono. a 1 Clav.</b> Kimiko Ishizaka	01:56

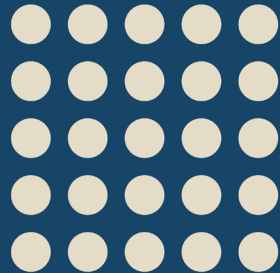




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# Why Use OER





# Financial Accessibility

OER can be accessed and used by students for free.

Since 2012, open textbooks have saved BC post-secondary students

**\$39 million**





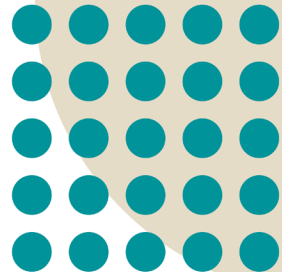
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## Students Retain Access To Materials



"Indigenous student using a computer in a campus common space (Fort McKay First Nation)" by Simone Paul is licensed under a [CC BY-NC-SA 4.0 license](https://creativecommons.org/licenses/by-nc-sa/4.0/).







# Widening Access to Information

OER are available to anyone for free online.



“Promote public good” icon by Demetria Rose is licensed under a CC BY 3.0 license.





# Academic Freedom and Agency

Instructors can customize the content to the needs of their course and their teaching style.

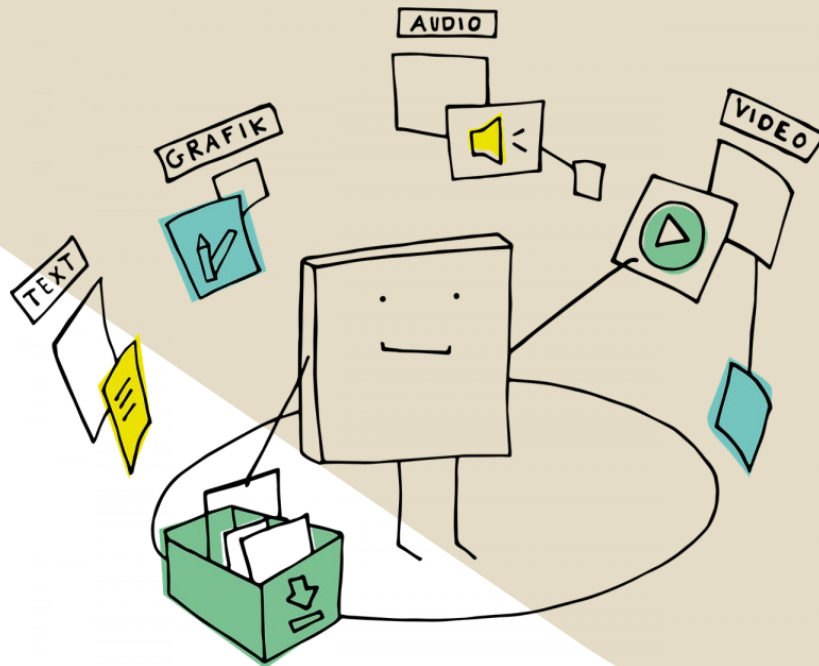


"A woman using a laptop" by AllGo. Licensed under the Unsplash license.



# Affordance of Digital-First Design

- Multiple formats
- Can include multimedia
- Can be made compatible with assistive technologies



“Resource OER Audio” by [manfredsteger](#) is licensed under the [Pixabay Licence](#).



# Cautions for people working in open

- Open resources are not necessarily more equitable and inclusive than non-open resources.
- Copyright law has been used to steal and appropriate Indigenous traditional knowledges.
- Not all information wants to be “open.”
- Working in the open can be risky, especially for marginalized educators, scholars, and students, particularly women of colour.

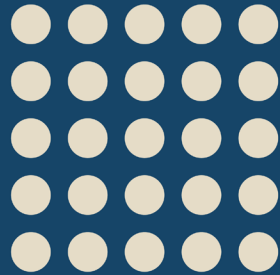




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# Where to Find and Share OER



# Why are you searching?

For inspiration

To determine what is out there

To find something specific





# Course Materials for Educators

Find free, open, and customizable materials by course or subject.

 [Find Materials](#)

▼ [Learn how the B.C. Open Collection works](#)

## Find Materials by Subject

<p>Academic/Career Success</p> <p>11 results </p>	<p>Art and Design</p> <p>3 results </p>	<p>Biological/Physical Sciences</p> <p>204 results </p>	<p>Business</p> <p>498 results </p>	<p>Communication &amp; Writing</p> <p>88 results </p>	<p>Computer Science</p> <p>13 results </p>
<p>Earth and Ocean Sciences</p> <p>48 results </p>	<p>Education</p> <p>14 results </p>	<p>Engineering</p> <p>112 results </p>	<p>Health and Medical</p> <p>19 results </p>	<p>Hospitality/Tourism</p> <p>1 result </p>	<p>Humanities</p> <p>89 results </p>
<p>Language Learning</p> <p>23 results </p>	<p>Law and Criminal Justice</p> <p>5 results </p>	<p>Math &amp; Stats</p> <p>223 results </p>	<p>Social Sciences</p> <p>116 results </p>	<p>Trades</p> <p>50 results </p>	<p>Digital Literacy</p> <p>3 results </p>

# eCampus Ontario Open Library



FIND  
OER

GET  
SUPPORT

EVENTS

SPECIALIZED  
OER  
PROJECT

SUBMIT  
AN OER

SUBMIT  
UPDATED  
FILE(S)

IMPACT

ABOUT

CONTACT

LOGIN /  
REGISTER

FR

## Welcome to the Open Library

The home of Open Educational Resources (OER) in Ontario

SEARCH

Or browse all educational resources >



1,742 Resources in the Open Library

7,170 Activities in H5P Studio



[openlibrary.ecampusontario.ca/](https://openlibrary.ecampusontario.ca/)





# Open Textbook Library

[GO](#)[Browse Subjects](#)[About Open Textbooks](#)[Submit](#)[Discovery](#)[Open Education Network](#)

## Transform Higher Education and Student Learning

Open textbooks are licensed by authors and publishers to be freely used and adapted. Download, edit and distribute them at no cost.

Now offering 1487 open textbooks, the Open Textbook Library is supported by the [Open Education Network](#).

[BROWSE SUBJECTS »](#)[New Books](#)[Coming Soon](#)

[open.umn.edu/opentextbooks](https://open.umn.edu/opentextbooks)

# Explore. Create. Collaborate.

*OER Commons is a public digital library of open educational resources. Explore, create, and collaborate with educators around the world to improve curriculum.*



Fine tune your search with our [advanced search](#).

## Support a vibrant, educator-focused Commons

The tens of thousands of open resources on OER Commons are free - and they will be forever - but building communities to support them, developing new collections, and creating infrastructure to grow the open community isn't. Grassroots donations from people like you can help us transform teaching and learning.

# Find a book

Find a book

Search

10 books

## Filters

6,656 results

Share this query

License

Subject

Network

Collection

Last Updated

Language

Institution

Publisher

Word Count

## Active Filters

1 2 3 4 5 6 7 →



PRESSBOOKS.BCCAMPUS.CA | BRITISH COLUMBIA/YUKON OPEN AUTHORIZING PLATFORM

### Indigenous Knowledges and Perspectives on Climate Adaptation

CC BY-NC | 0 H5P activities | 32,826 words

**Author(s):** Resilience By Design Lab (RbD), Royal Roads University

**Subject(s):** Climate change

**Last updated:** 05-9-2024

**Language:** English (Canada)

This course invites learners into deeper thinking, reflection and content pertaining to Indigenous perspectives in climate adaptation and mitigation.

This course is part of the [Adaptation Learning Network](#) led by the [Resilience by Design](#)

pressbooks.directory

# OER by Discipline Directory

A reference of OER listed by subject area and discipline

Edited by Lauri M. Aesoph and Josie Gray

The BCcampus Open Education *OER by Discipline Directory* lists a wide range of open educational resources organized by discipline. This directory is updated as new resources are identified. Note that textbooks in the [B.C. Open Collection](#) are not included in this directory.



Creative Commons Attribution

[READ BOOK](#)



[OpenTextBC.ca/OERdiscipline](https://opentextbc.ca/oerdiscipline)

# Find Open Images: Google

The image shows a Google search for "flowers". The search bar contains the word "flowers". Below the search bar, navigation tabs include "All", "Images", "Shopping", "Videos", "News", and "More". A "Tools" button is highlighted with a blue box. Underneath, filters for "Size", "Colour", "Type", and "Time" are visible, along with "Creative Commons licences" (expanded) and "Clear". The expanded "Creative Commons licences" menu shows "All", "Creative Commons licences" (checked and highlighted with a blue box), and "Commercial and other licences". Below the filters, there are several image thumbnails with labels: "beautiful", "wallpaper", "rose", "pink", and "butterfly". The main search results display four images of flowers with their respective captions and source URLs: "Flowers White Nature - ... pixabay.com", "flower, nature, flowers, plant, garden ... pxfuel.com", "Free photo Color Flowers Daisy Plant ... maxpixel.net", and "flower, pink, nature, flo... pxfuel.com".

# Find Open Images: Flickr

The screenshot shows the Flickr search interface for the query "flowers". The top navigation bar includes the Flickr logo, "Explore", "Create", and "Get Pro" links. A search bar contains the text "flowers". On the right, there are "Log In" and "Sign Up" buttons. Below the navigation, there are tabs for "Photos", "People", and "Groups". A color palette and an "Advanced" filter icon are visible. The search results are displayed in a grid, with the first row showing a yellow flower, a white daisy, a dandelion, a pink rose, and a purple flower. A dropdown menu is open over the "Any license" filter, showing the following options: "All creative commons", "Commercial use allowed", "Modifications allowed", "Commercial use & mods allowed", "No known copyright restrictions", and "U.S. Government works". A blue arrow points to the "All creative commons" option. The text "View all 3,612,654" is visible in the top right corner of the search results area.

flickr Explore Create Get Pro

flowers

Log In Sign Up

Photos People Groups

Advanced

Any license SafeSearch on Relevant

Everyor

**Any license**

- All creative commons
- Commercial use allowed
- Modifications allowed
- Commercial use & mods allowed
- No known copyright restrictions
- U.S. Government works

View all 3,612,654



# Find Open Videos: YouTube

The screenshot shows the YouTube search results page for the query "open education". The search bar at the top contains the text "open education". On the left sidebar, the "FILTER" button is circled in purple. The main content area displays a table of filter options. A purple arrow points from the "Creative Commons" filter option to the right.

UPLOAD DATE	TYPE	DURATION	FEATURES
Last hour	Video	Short (< 4 minutes)	Live
Today	Channel	Long (> 20 minutes)	4K
This week	Playlist		HDR
This month	Movie		Subtitles/CC
This year	Show		Creative Commons
			360°
			VR180
			3D
			HDR
			Location
			Purchased

# OER by Discipline Directory

## Chapter: Multimedia and Tool Collections

### Multimedia and Tool Collections

Last update: Feb  
15/24

#### General Multimedia +

#### Audio +

#### Images -

[AllGo Plus Size](#) (Public domain)

A photo collection featuring plus-size people doing normal, everyday things.

[American Education: Images of Teachers and Students in Action](#) (CC BY-NC)

A photo collection featuring students and teachers from preschool to high school, including pictures focusing on trades, COVID, science, language, art, and more.

[Creative Commons Search](#) (Various CC licences)

A search tool developed by Creative Commons that searches more than 300 million open images.

[Disabled and Here](#) (CC BY)





# Where to Find License Information

Look on pages/sections related to:

- Copyright
- Terms of Use
- Permissions

This info may also be provided in webpage and document footers.





# What to Look For

## Open

- “CC BY”, “CC BY-NC” etc.
- “Creative Commons Attribution...”
- Creative Commons

icons:



## Not open

- “All rights reserved”
- No mention of license information

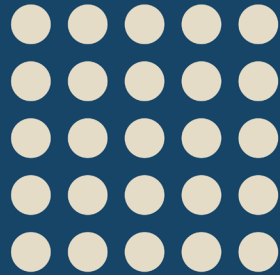




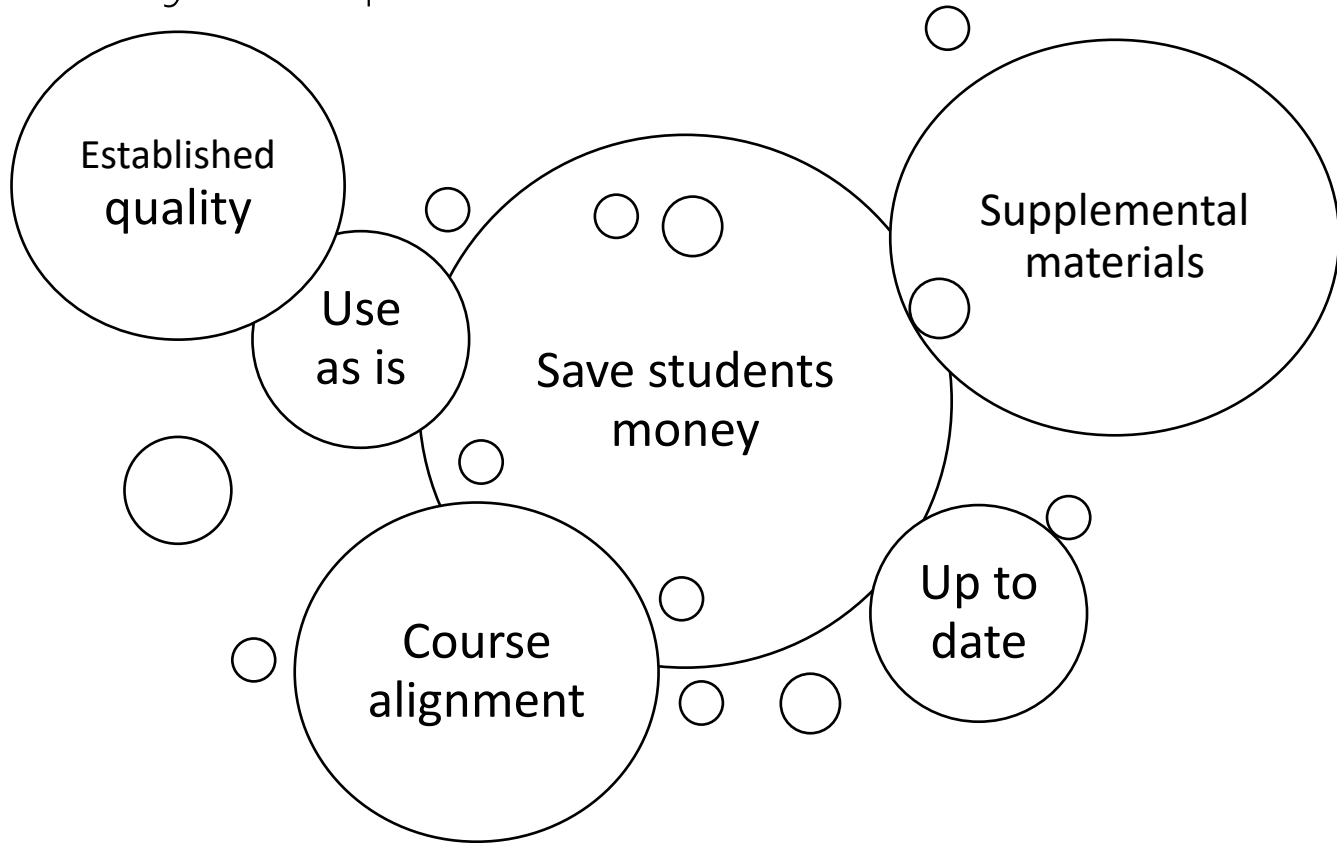
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# How to Evaluate OER



# What are your priorities?



# Review the OER to Determine Fit

## Quality indicators

- Author affiliation or qualifications
- Peer review
- Adoption information

## Course alignment

- Learning objectives
- Table of contents

## Currency

- Publish date
- Reference lists



# Open Textbook Quality Rubric

- Topics covered
- Organization and clarity
- Accuracy
- Currency
- Canadian context
- Equity

Here is the [full rubric \[PDF\]](#)

## Open Textbook Quality Rubric

This rubric is used to assess the quality of OER under consideration for the B.C. Open Collection.

### Topics Covered

1	2	3	4
The text does not address topics I would expect to be included in a textbook for this subject and level.	The text addresses some topics I would expect to be included in a textbook for this subject and level. Additional course materials would be required.	The text covers most of the topics I would expect to be included in a textbook for this subject and level. Gaps could be easily addressed by an instructor.	The text covers all topics I would expect to be included in a textbook for this subject and level. The topics are covered to the appropriate depth.

### Organization and Clarity

1	2	3	4
The textbook is poorly organized. There are large chunks of unbroken text. It is not clear how topics relate to each other, and the writing is hard to understand.	The textbook is organized in a way that makes sense, but there are large chunks of unbroken text, and the writing may be hard to understand depending on the student. There are few to no supports to help students apply new information.	The textbook is well organized. The writing is generally easy to understand and there are some supports available to help students understand and apply new information.	The textbook is clearly and consistently organized. The writing is easy to understand, and there are supports available to help students understand and apply new information.

The Open Textbook Quality Rubric by BCcampus is licensed under a [CC BY 4.0 license](#).



### Accuracy

1	2	3	4
The text has substantial factual errors that would make it impossible to assign in a course.	The text has a number of factual errors that would make it difficult to assign in a course.	The text is largely accurate, and any errors are minor and can be easily fixed.	The text is accurate and error free.

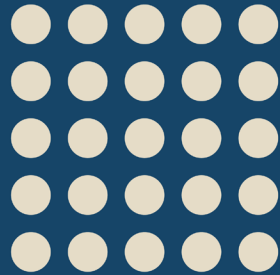




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# How to Adapt an OER





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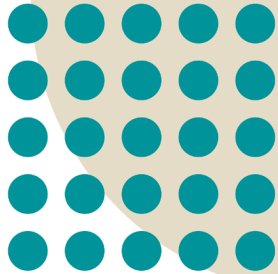
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# Why might you adapt an OER?

- To better fit your teaching style or course
- To correct errors or update information
- To work for a virtual or in-person teaching
- To address accessibility needs
- To include a cultural and intellectual diversity
- To translate the content
- To support a specific pedagogical need
- To bring in local examples

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This list was adapted from ISKME. (2008, February 8). [What is localization?](#). [CC BY-SA](#). Adapted by Josie Gray to revise wording and add a list item.





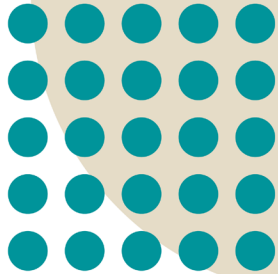


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## What adaptation might look like

- Removing or reorganizing chapters
- Adding and replacing images
- Deleting, rewriting content, or adding new content
- Combining two different open resources together
- Adding multimedia or H5P activities



# How to adapt

- Check the license
- Find an editable file or convert the content to an editable file.
  - **Editable:** Word, PowerPoint, Excel
  - **Editable (needs specialized software):** Pressbooks, Videos, Audio, H5P activities
  - **Not editable:** PDF, websites
  - If all else fails, copy and paste.
- Make your changes, and keep track of them!
- Add an attribution statement to your resource.
- Share your adapted version



# Attribution Statements

Attribution statements are how we give credit to the creators of open educational resources.

Attribution is a legal requirement outlined by the “BY” in Creative Commons licenses.



# How to Attribute (Give Credit)

- T – Title
- A – Author
- S – Source (link)
- L – Licence

Plus a general description of changes made.

“Morning at Prince Rupert” by Steven Tan is licensed under a CC BY-NC-ND 2.0 licence.



# Attributions when adapting and remixing

- There are no established style guides, so there is flexibility.
- Where and how you attribute will depend if you are adapting one OER or remixing several.
- Attributions can go at the beginning/end of an OER or be provided at the end of each section.

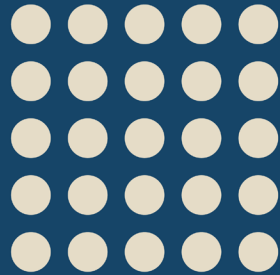




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# How to Adopt an OER



# Assign it to your students

Share it with your students.

This is as easy as uploading or linking to the OER in the learning management system.



# Let BCcampus know

Fill out our open textbook adoption form.

We track open textbook adoptions so we:

- Know which open textbooks are being used in the province and in what courses
- Can quantify student savings, which can help us (and others) advocate for more open education funding

[open.bccampus.ca/use-open-textbooks/tell-us-youre-using-an-open-textbook/](https://open.bccampus.ca/use-open-textbooks/tell-us-youre-using-an-open-textbook/)



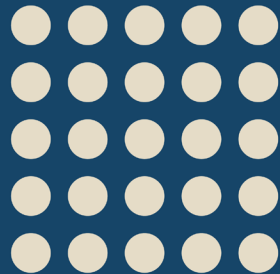




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# Create Your Own OER



# How to openly license your own materials

1. Select the Creative Commons license you want to use.
2. Put the license information and your name on your materials.
3. Share your content with others.





# Getting Started

- Workflow and resources
- Equity in OER
- Pressbooks
- Accessibility and UDL
- Licenses and Permissions
- Citation and Attribution

[opentextbc.ca/gettingstarted/](https://opentextbc.ca/gettingstarted/)





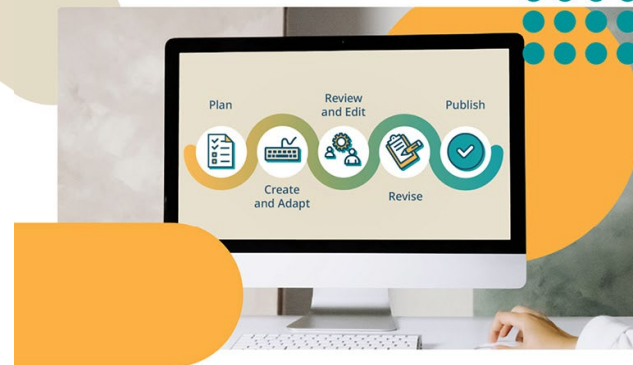
# Self-Publishing Guide

An in-depth look at creating your first open textbook from beginning to end.

[opentextbc.ca/selfpublishguide/](https://opentextbc.ca/selfpublishguide/)

 Lauri M. Aesoph

## Self-Publishing Guide



[collection.bccampus.ca](https://collection.bccampus.ca)

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August 1, 2024

**Technical Accessibility**

August 8, 2024

**Introduction to Pressbooks**

August 15, 2024

**Advanced Pressbooks**

August 22, 2024

**UDL and Open Educational Resources**

August 29, 2024

Register and view the recordings and  
resources at: [bccampus.ca/events](https://bccampus.ca/events)





# Creative Commons Certificate

- 15% discount for BC post-secondary faculty and staff
- Courses starting Sept, Jan, and June

Promo code: **BCCAMPUS15**





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**OER** PRODUCTION  
SERIES

Questions?



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# Thank you!

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