Educational Resources Beyond Traditional Materials

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Abstract

Open educational resources (OER) are currently a hot topic and widely discussed around College campuses. Yet, many educators are unclear as to what constitutes OER, the value of using OER and other no-cost/low-cost instructional materials, and how to integrate these resources into their courses. This presentation will start by providing an overview of the 5R Permissions of OER (Retain, Reuse, Revise, Remix, Redistribute), discuss the spectrum of no-cost to low-cost instructional materials, and provide examples of how Community College faculty from across Illinois are utilizing these resources in their courses.

"Open Educational Resources (OER) are **teaching, learning, and research resources** that **reside in the public domain** or have been **released under an intellectual property license** that permits their **free use and re-purposing** by others." [-William + Flora Hewlett Foundation](#)

Retain
You can keep the
work forever

Reuse
You can use the work
for your own purpose

Revise
You can adapt, modify,
or translate the work

The 5 R's of Open Education

WHAT IS AN OPEN EDUCATIONAL RESOURCE (OER)?

"For Free and Without Requesting Permissions"

Remix
You can combine it with another
resource to make a new work

Redistribute
You can share the work
with others

Creative Commons and its relationship with OER

- The Tag line for CC is: share, reuse, and remix, legally
- Provide a critical infrastructure service
- CC was founded in 2001 to support the OER initiative
- The aim is to have people provide their creative works to the public domain or retain their copyright while licensing them for certain uses, on certain conditions
- The work of CC spans from open education to open science

You can get involved with the CC projects
(https://creativecommons.org/about/program-areas/education-oer/)

most freedom

PUBLIC DOMAIN ⓪

(cc) ⚫ BY

(cc) ⚫ ⚫ BY SA

(cc) ⚫ ⚫ BY NC

OER

(cc) ⚫ ⚫ ⚫ BY NC SA

(cc) ⚫ ⚫ BY ND

<u>Not</u> OER

(cc) ⚫ ⚫ ⚫ BY NC ND

least freedom

Attribution
Others can copy, distribute, display, perform and remix
your work if they credit your name as requested by you
BY

No Derivative Works
Others can only copy, distribute, display or perform
verbatim copies of your work
ND

Share Alike
Others can distribute your work only under a license
identical to the one you have chosen for your work
SA

Non-Commercial
Others can copy, distribute, display, perform or remix
your work but for non-commercial purposes only.
NC

Where do they fit on the OER continuum?

- Wikipedia - https://www.wikipedia.org/
- Ted - https://www.ted.com/
- Khan Academy - https://www.khanacademy.org/
- OpenStax - https://openstax.org/subjects

For more examples and information see -
https://creativecommons.org/share-your-work/licensing-types-examples/licensing-examples/

OpenStax

Wikipedia

Khan Academy

TED Talks

most freedom

least freedom

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OER

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NC

How do you check licensing?

- Search the website for Licensing or Creative Commons information
- Look at the specific item to see if anything is noted
- Do a Google search for the name of the site and "Creative Commons"

[CC Logo downloads for your own uses](https://creativecommons.org/about/downloads/)

(https://creativecommons.org/about/downloads/)

Values of Using OER

- Support faculty choice and development of course materials
- Introduce new alternatives for effective teaching
- Encourage inter-institutional collaboration
- Encourage content sharing among colleges
- Alleviate student financial burden as it relates to textbook costs
- Increase student access to course materials
- Offer variety in formats of course content to accommodate learning styles
- Improve student success, persistence and completion

ILCCO OER Survey

Illinois Community Colleges Online

OER in Illinois Community Colleges

Survey was done in Nov-Dec 2017

N = 576, Faculty from 24 different IL Community Colleges from around the state participated

A wide variety of disciplines were represented:

Mathematics	12%
Natural Sciences	7%
Physical Sciences	9%
Social Sciences	11%
English, Humanities, Comm & FA	27%
Career & Technical	14%
Business	4%
Computer Sci, Electronics & Tech	7%
Other	9%

Think about your course with the greatest use of open educational resources. How would you describe your level of OER usage in that course?
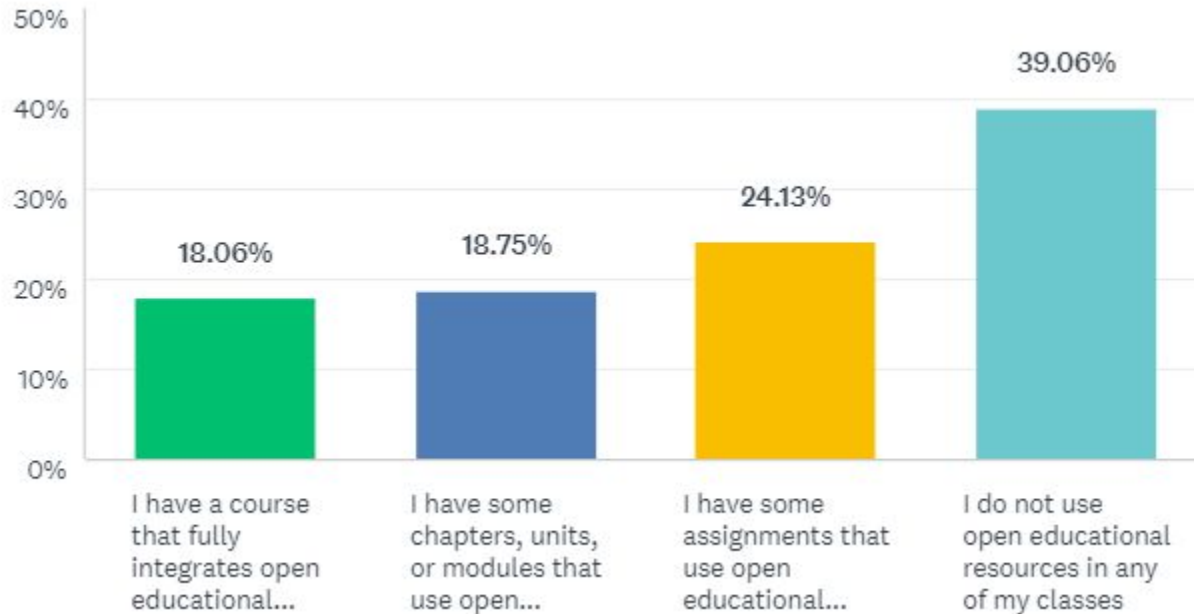
Why do faculty use OER?

- **Enrich**, **enhance**, and **supplement** learning materials because OER offer easy **access** and **flexibility**, more **variety**, and more **options** for students than traditional materials. (44%)
- Reduce **financial burdens** on students. (36%)
- Resources are **up-to-date**, of **good quality**, **authentic**, and **customizable**. (32%)

"OER allows me to <u>customize</u> my teaching materials to the course and to be <u>flexible</u> in my selection of <u>timely</u> topics to use as <u>examples</u> of sources in my writing course. And, OER is <u>free</u> to students."

"I use OER in my courses to <u>supplement</u> the textbook and connect the students to <u>real world</u> situations."

"Textbook <u>costs are high</u> and there is no "perfect" textbook for the course. Besides, using OER allows the course to <u>grow with changes</u> in technology and I am not committed to a textbook."

Additional reasons...

- Required study material
- Not reinvent the wheel
- Promote advocacy for free information
- Train students to use technology
- Improve student success
- Improve equity
- So that teachers can share
- Avoid hassle of working with the bookstore

Transitioning a course to OER

Transitioning a course to OER

- Discussed converting *Computer Applications in Business* course to OER due to cost of textbook and frequency of technology updates
- **OERCommons.org**: Computer Fundamentals course that provided 85% of material needed
  - All videos in the course were from GCFlearnfree.org
  - Creative Commons license BY NC; provided attribution to Linn-Benton Community College on the **Course Information** page in Canvas
  - Canvas course settings allow for you to choose Creative Commons license options
- Both part-time faculty currently teaching this course feel that OER was the right move
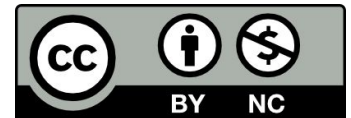
Why don't faculty use OER?

Why don't you use open educational resources in your courses?
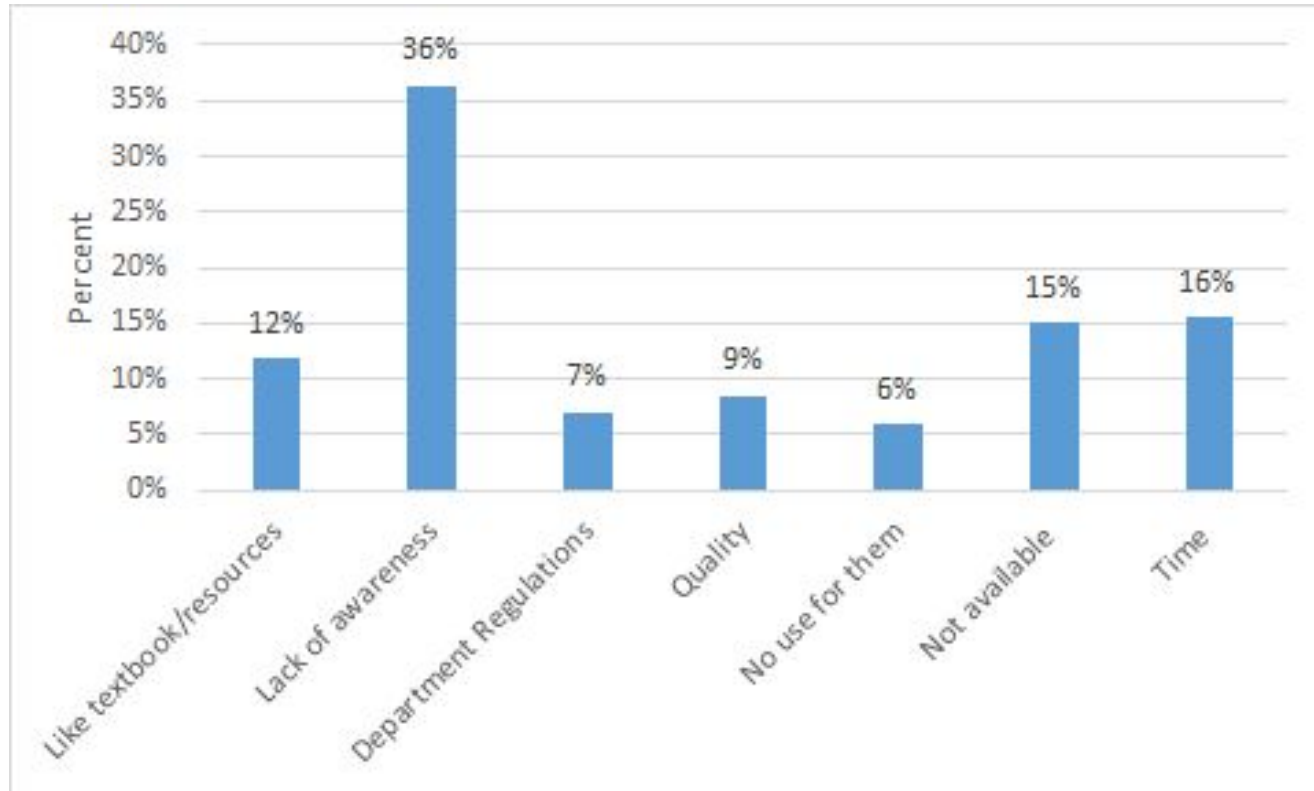
"I have <u>not taken the time</u> to evaluate them, and I'm <u>not sure where to go</u> to find them."

"I have <u>not looked into</u> the available resources yet and I'm therefore <u>uncertain of their quality</u>. Also, my <u>limited time</u> makes it hard for me to write the necessary new assignments that adoption of new resources would entail in addition to <u>vetting the resources</u>."

"It is too <u>time consuming</u> to find resources for 6 different classes. Almost everything that is essential is <u>provided by textbook companies</u> in a complete & <u>vetted</u> package. While I love teaching & using innovative approaches to teaching, <u>I do not want to spend hour upon hour researching</u> materials already available."

"I have <u>not been able to find</u> OER sources that offer <u>hard copies</u> and the online adaptive learning materials I want. But I have <u>not really had time</u> to look. I do not like online textbooks, and so always want to have books that have hard copies available."

"I <u>haven't been able to find</u> any that would work for my classes and I <u>don't have much time</u> to look for them."

What can your College do to support your use of OER?
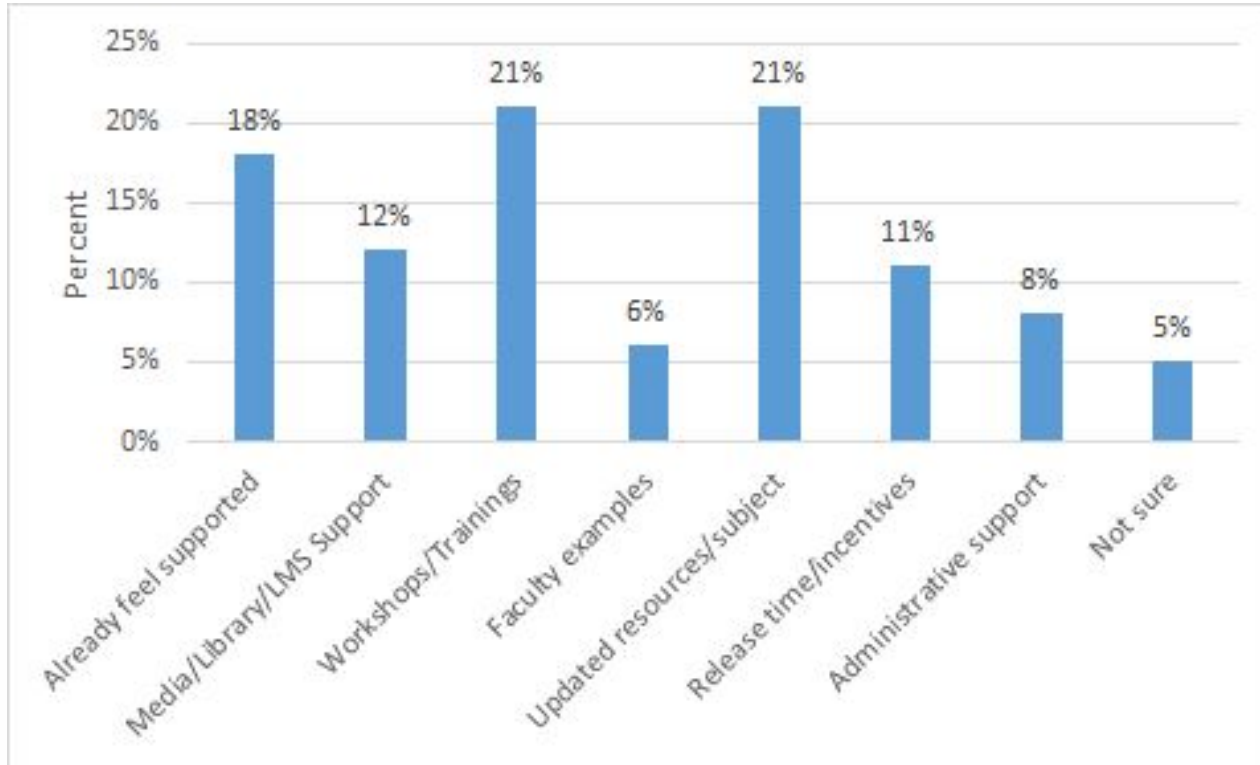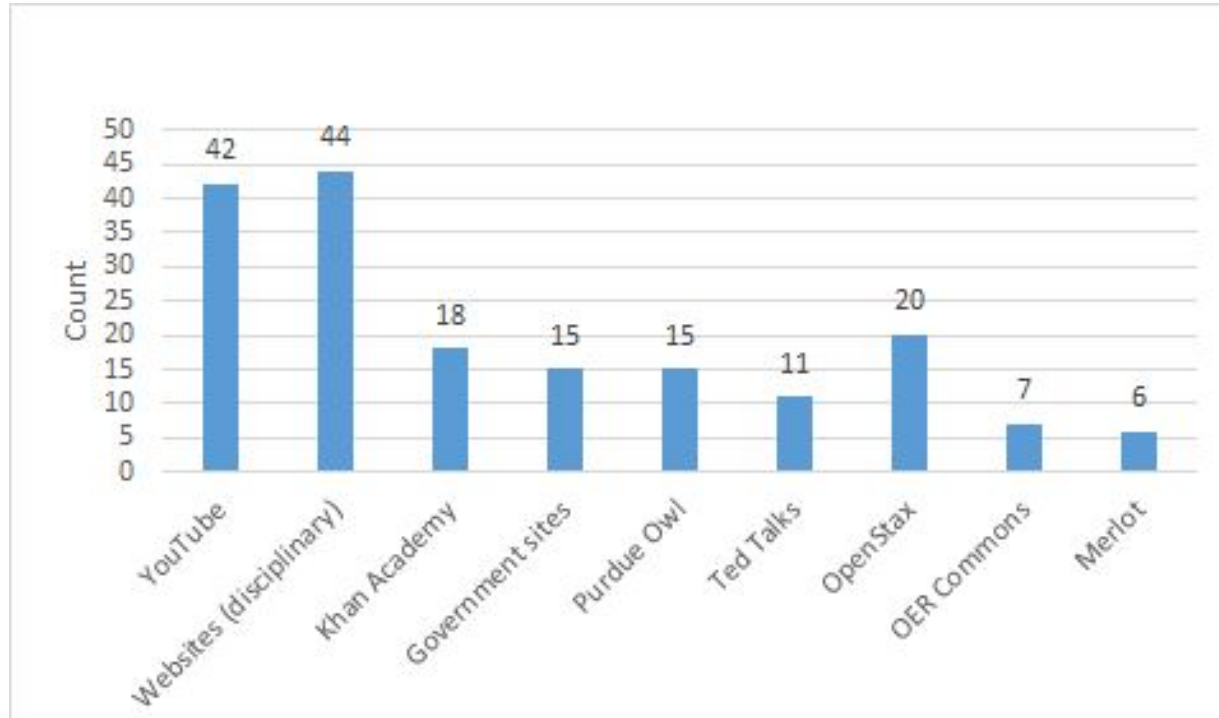
How to support OER usage

- Access to database by course/subject
- Hold training sessions/workshops
- Provide release time for Instructors
- Provide assistance (Library - LibGuides)
- Collaboration with other faculty
- Sharing mindset

So, how do you know if it's OER??

What OER resource websites have you found most helpful?

Distinction between "free" and OER

YouTube--Some yes, some no (Many are standard YouTube license)

How to find creative commons YouTube: https://www.youtube.com/watch?v=j90GO4djReA

Khan Academy--Some yes, some no

TED Talks--You can use most, but can't adapt

Websites--Use caution! Look for that CC license! (or do a Creative Commons search)

Government websites--public domain

https://search.creativecommons.org/

OER by Subject

- OER Commons - https://www.oercommons.org/oer
- MERLOT - https://www.merlot.org/merlot/categories.htm
- Open Michigan OER - https://open.umich.edu/find/find-open-educational-resources
  - Health Professions Resources - https://open.umich.edu/find/find-open-content-you-can-use/open-health-collections

- MIT Open Courseware - https://ocw.mit.edu/index.htm
- Tufts Open Courseware - http://ocw.tufts.edu/

Textbooks

★ OER Commons - http://oercommons.org

★ Open Textbook Library - http://open.umn.edu/opentextbooks/

★ OpenStax - https://openstax.org/

   ○ http://www.cnx.org/

★ SUNY Open Texbooks - https://textbooks.opensuny.org/open-source-textbooks/

★ http://www.collegeopentextbooks.org/

★ http://www.studentpirgs.org/open-textbooks/catalog/

Images

★ <u>Google Image Search</u>: Advanced search allows you to search using many different criteria, including usage rights.

★ <u>Flickr</u>: Search for photographs by orientation, color, size, and license.

★ <u>Pixabay</u>: Free stock photos, vector art, and illustrations available for use without copyright or licensing restrictions.

★ <u>The Noun Project</u>: Find SVG and PNG icons—black and white line drawings—licensed under Creative Commons.

★ <u>Bio-Image Search</u>: Public domain and CC-licensed biomedical images.
★
★ <u>Wikimedia Commons</u>: High-quality images and metadata for virtually anything.

Audio

- [Jamendo](): Free, independent music.

- [ccMixter](): CC-licensed music.

- [Wikimedia Commons](): Audio samples and sounds.

Video

- [Vimeo](): Search for CC-licensed video.

- [YouTube](): After entering your search terms, use the filters to search for CC-licensed video.

- [Wikimedia Commons](): In addition to images and audio, Wikimedia Commons also contains video content.

Would you be interested in learning more about open educational resources and how you could use it in your courses?
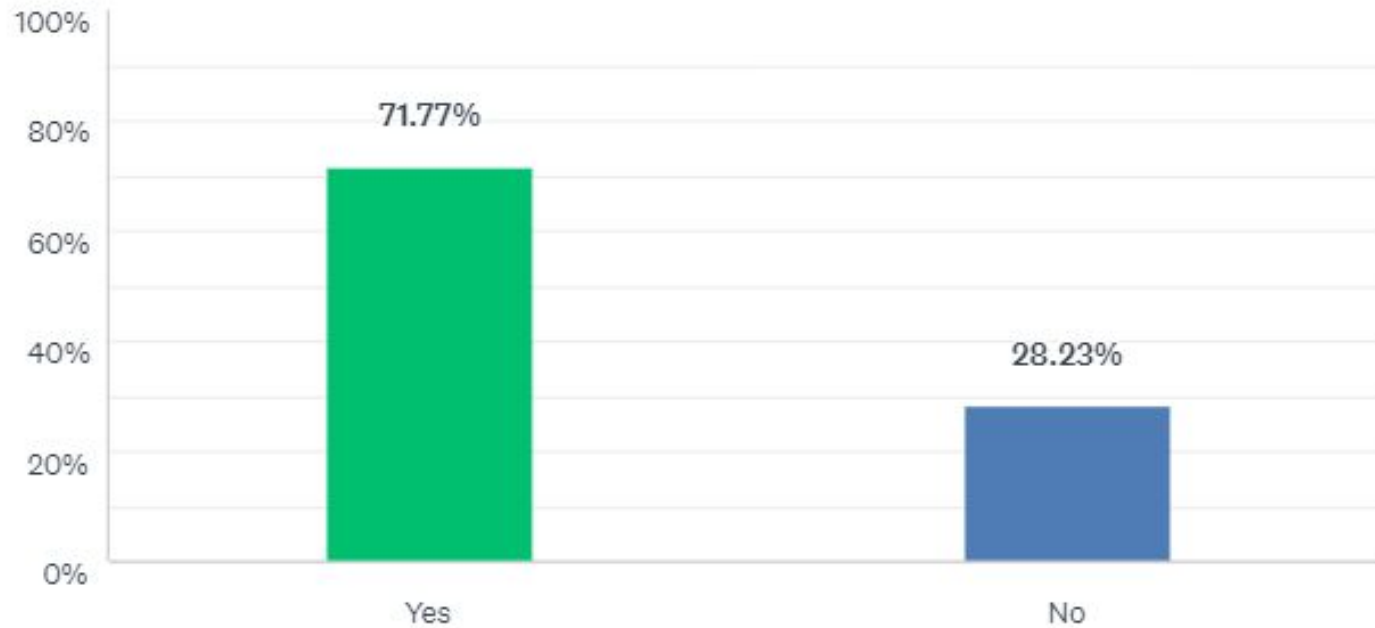
COMMUNITY COLLEGE
CONSORTIUM FOR
OPEN
EDUCATIONAL
RESOURCES

1 — LEARN About OER
Why OER? Find OER, Adopt OER, Research

2 — PLAN for OER
Institutional, Faculty, Student, Professional Development

3 — Get Involved
Membership, Listserv, Webinars, Conferences

https://www.cccoer.org/

Free Course on how to get started with OER.

MAKING THE TRANSITION TO OPEN: THE EASY WAY TO CREATE, LICENSE, AND SHARE FREE MATERIALS

- Accurately define and identify Open Educational Resources (OER).
- Describe the six Creative Commons licenses.
- Demonstrate appropriate attribution.
- Design a plan for incorporating OER materials in a class, curriculum, or college.
- Design a plan for creating OER materials and how to appropriately license open materials.
- Determine how to gain permission to use a copyrighted work in an open resource.

FREE
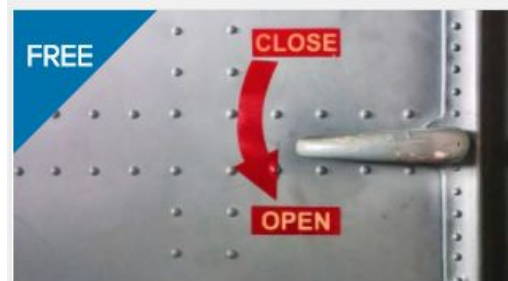
(HE/K12) Making the Transition to Open: The Easy Way to Create...

Faculty in any discipline will be initiated into the mysteries of open educational resources (OER): what they are, where to find them, and how to use and share them.

canvas NETWORK

Self-paced
FREE

https://www.canvas.net/courses/making-transition-to-open

More free--The OER community likes to share!

Introduction to Open Educational Resource (OER) Course

This is a series of 4 workshops that will help you find and identify Free and Open Resources for your classes. We will also discuss Open Licensing, Open Pedagogy, Accessibility, and curation of resources. Workshops are **Fridays (3/9, 4/6, 4/13, 5/4) from 12 – 2 PM PT.** Join us online via Zoom. By completing all 4 workshops and some homework, you can earn an"Introduction to OER" Certificate.

"Introduction to OER" offered by Butte College. This is meant for folks just starting the journey into OER or thinking about it. Below is a bit more information. There's no cost or need to pre-register. Anyone is welcome to join us at the times listed by going to the Zoom link.

Email Suzanne Wakim for more information. wakimsu@butte.edu

Thank You!

Questions!