



OPEN EDUCATION
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The Global Network for Open Education
www.oeconsortium.org

Finding, Using & Adopting OER



Community College Consortium
for Open Educational Resources



Kate Hess & Una Daly



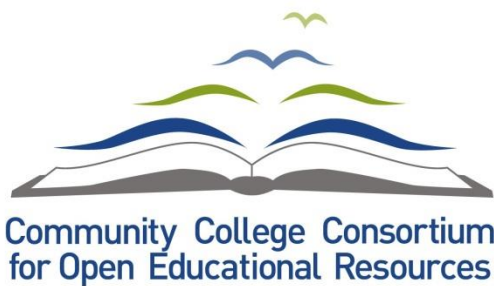
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Welcome



Una Daly
Community College Director
Open Ed Consortium
OER Library Manager, CSU



Community College Consortium
for Open Educational Resources



Kate Hess
Faculty Librarian
Library Coordinator
Kirkwood Community College



Workshop Goals

Participants will be able to:

- Search OER repositories
- Evaluate OER for quality and relevance
- Identify research strategies and organization tools to ease information overload
- Identify the next steps for OER adoption



Agenda

1. OER basics
2. OER Evaluating
3. How to: Searching repositories
4. Your turn: Searching repositories
5. Organizing your research and resources
6. Accessibility considerations
7. Adopt and Use OER



	Traditional Textbook	Open Textbook	Open Educational Resources (OER)
What is its purpose?	Provides basic course content for student reading and reference	Provides basic course content for student reading and reference	Provides basic course content for student reading and reference
What does it look like?	A single one-size-fits all book (or e-book)	A: A single book (or e-book) adopted as-is B: A single book (or e-book) adopted with customization by the instructor	A: An online collection of resources curated, remixed and customized by the instructor B: The same as (A) above, in printable format for those students who prefer print
How does an instructor choose it?	A. Through evaluation of sample copy provided by the publisher, in print or online. B. Peer review by publisher often assumed but not shared.	A. Through evaluation of free online copy. In some cases a print sample copy is available. B. Peer reviews often available	A. Through searching and evaluating component resources found in OER repositories. Search is based on specific learning outcomes and content needs defined by the instructor B. Peer reviews are often available



Hand-drawn mathematical derivations of the Golden Ratio (ϕ):

- Geometric diagrams: A rectangle with sides a and b is divided into a square of side b and a smaller rectangle with sides $a-b$ and b . A pentagon and a five-pointed star are also shown.
- Equations:

$$\phi = \frac{a}{b} = \frac{a+b}{a} = \frac{a}{b} + \frac{b}{a} \phi$$

$$\phi = 1 + \frac{1}{\phi}$$

$$\phi - 1 = \frac{1}{\phi} \quad \phi = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \dots}}}$$

$$\phi^2 = \phi + 1$$

$$\phi^2 - \phi - 1 = 0$$

$$a=1 \quad b=-1 \quad c=-1$$

$$\phi = \frac{1 + \sqrt{1+4}}{2}$$

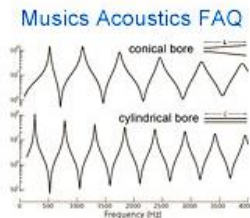
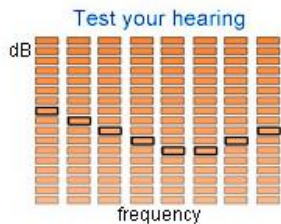
$$\phi = \frac{1 + \sqrt{5}}{2} = 1.618033988 \dots$$

YouTube logo in the bottom right corner.



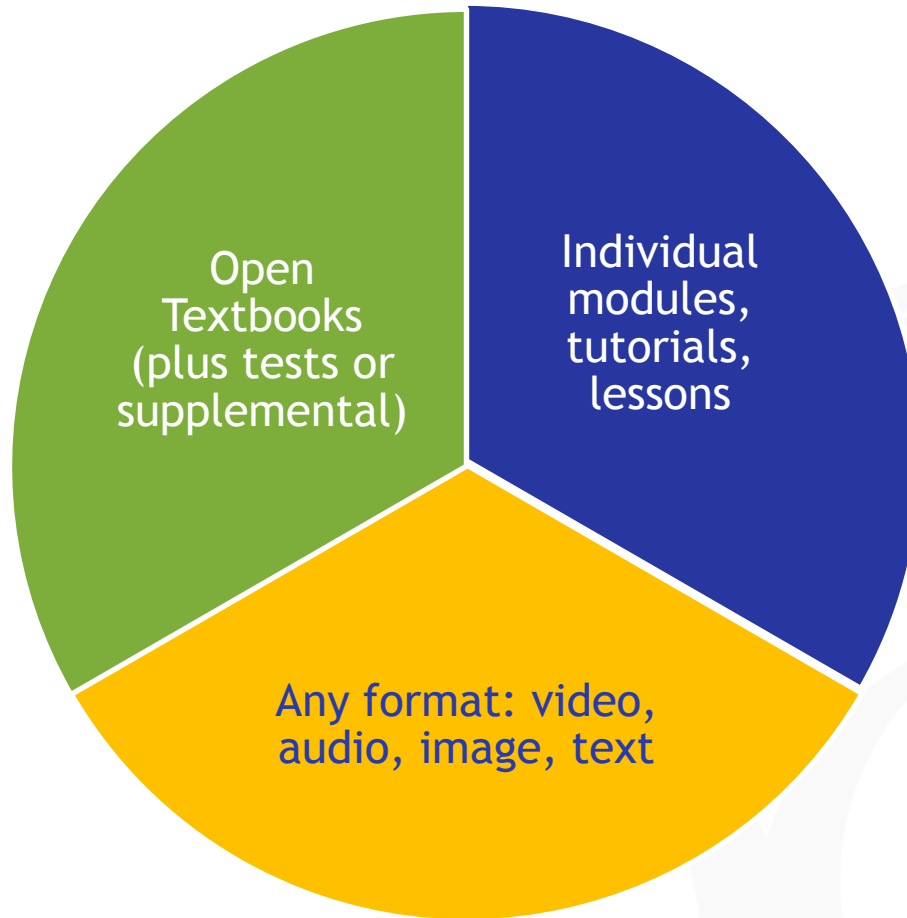
Some Site Highlights

- Basics
- Research
- Publications
- Flutes
- Clarinet
- Saxophone
- Brass
- Didjeridu
- Guitar
- Violin
- Voice
- Cochlear
- People
- Contact Us
- the virtual flute
search for alternate fingerings, microtones and multiphonics



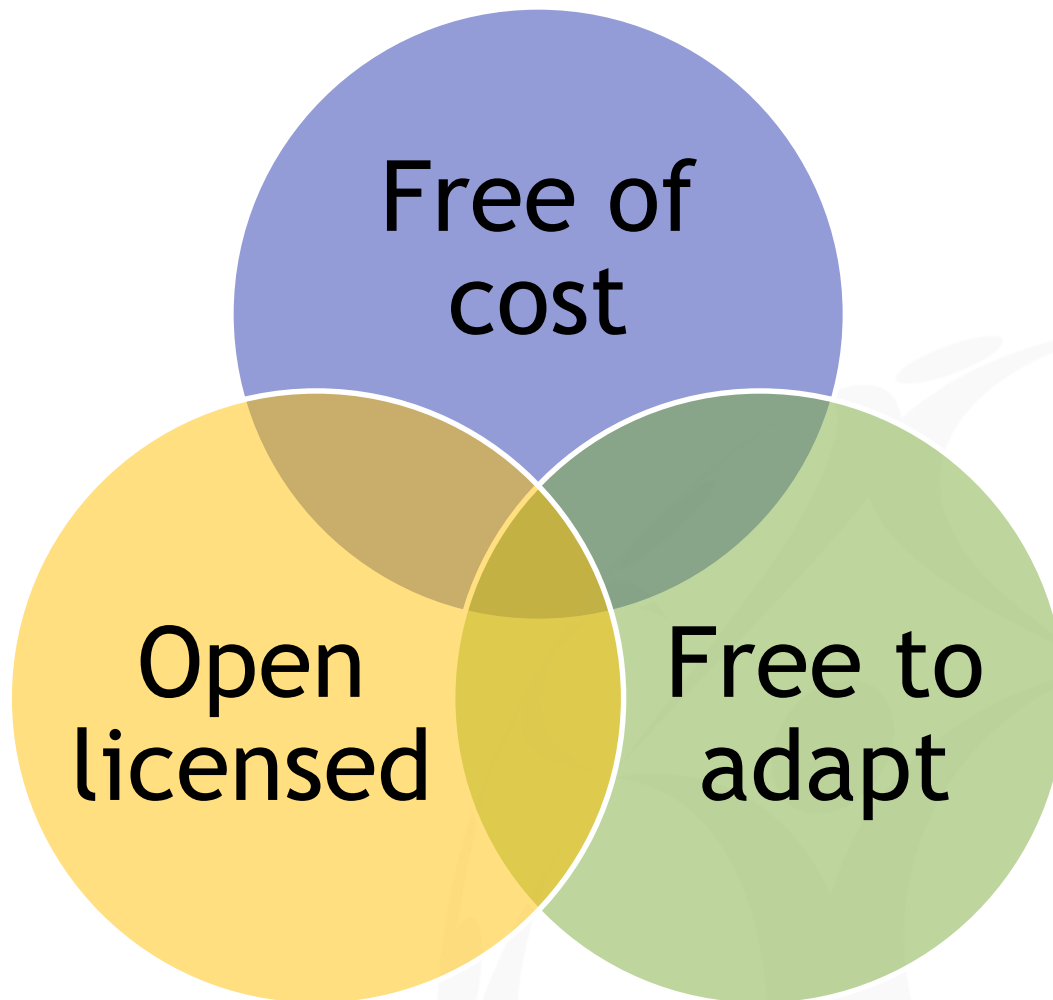


OER could be:





OER must be:





Example: Open Textbook



Green Tea Press

Adopt this book now

Formats Available

- [Online](#) (\$0.00)
- [PDF](#) (\$0.00)
- [Softcover B&W](#) (\$29.29)

Think Python: An Introduction to Software Design

Allen Downey, Olin College

Pub Date: 2007



([1 review](#))

ISBN:

ISBN 13:

At a Glance

- [Table of Contents](#)
- [About the Author\(s\)](#)
- [Reviews](#)

Conditions of Use

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GNU





Links

[College 101 Pre-course assessment](#) (section number: **ICF02**)

[MBTI Online Assessment](#)

Reading Assignments

["What Does It Mean To Be Well-Educated?"](#) by Alfie Kohn

["A New Look at Learning"](#), chapter 1 of *The New Science of Learning* by Doyle & Zakrajsek (Library eBook, sign in with k-number and password)

Handouts

[Who Am I? Essay Assignment](#) (due 9/24)

[Guide to keeping your Learning Journal](#)

[Learning Journal Exercise: I Should](#)

[Learning Journal Exercise: Time Management \(positive distractors\)](#)

Videos

[Ken Robinson: Changing Education Paradigms](#)

[HeartMath TED talk video](#) (we watched part of this in class)

Budgeting and Finances

[Financial Literacy Assignment](#) (due 9/17)

[Monthly Budget Worksheet](#) (does not save data entered! please print after filling!)

[Video: How to Make a Budget](#)

ePortfolio Guides

[Step by step help videos for creating and editing your Google Site](#), presented by Kirkwood Counselor Jacalyn McCarville

Other Course Resources

[Study Guides & Strategies](#)



Define your need

- Take one minute to write down what you are looking for: total package for converting a class to OER? An outstanding tutorial to fill a gap in your current text?
- Take 2 minutes to share with a neighbor what you're looking for

Stopwatch



Evaluate

- Quality
- Appropriateness
- Technical considerations



Image: Public Domain by geralt on pixabay



Establishing Selection Criteria

- Quality of content, pedagogy
- Alignment with course objectives
- Reading & writing level
- Cultural relevancy
- Author's credentials
- Clarity of material
- Ancillaries
- Articulation
- Format of materials





Achieve OER Rubric

- R1: Degree of Alignment to Standards
- R2: Quality of Explanation of the Subject Matter
- R3: Utility of Materials Designed to Support Teaching
- R4: Quality of Assessment
- R5: Quality of Technological Interactivity
- R6: Quality of Instructional Tasks and Practice Exercises
- R7: Opportunities for Deeper Learning
- R8: Assurance of Accessibility





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Discover OER

Repositories & Listing Sites



Orange Grove Texts *Plus*
Accessible. Affordable. Adaptable.



Open Learning Initiative

Transforming higher education through the science of learning.

openstax™
COLLEGE



collegeopentextbooks.org



Multimedia Educational Resource
for Learning and Online Teaching



Search



Community College Consortium for Open Educational Resources

Find OER



Below find sites that collect or search for open resources, including **open textbooks, open courseware, and other OER**. Hover over each link for a brief description. If you have a favorite site you don't see here, please leave us a comment at the bottom of the page.

Open Textbooks

- BCcampus
- **College Open Textbooks**
- California Learning Resource Network Textbooks (high school)
- **OpenStax**
- **Orange Grove Texts Plus**
- Textbook Revolution
- WikiBooks

Books in the Public Domain (& Other Free Books)

Pages



- » About
- » Advisory Meetings 2014-15
- » ARCHIVED WEBINARS
- » Blog
- » Campus Promo Kit
- » Campus Promo Toolkit Beta
- » Case Studies
- » Contact Us
- » Fall 2014 Webinar Lineup
- » FAQs
- » Find OER
- » Grants and Awards
- » Learn About OER
- » Libraries Promoting OER
- » Members
- » Membership Info



BCcampus

- Curated collection
- Focuses on the top 40 subjects offered
- Resources to modify an open text





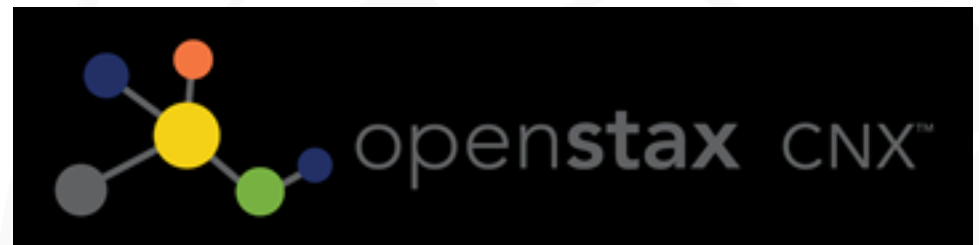
MERLOT II

- Open textbook list by category (2200+)
- Some peer reviews
- Some accessibility reviews
- Registered MERLOT users may create personal collections and comment.



OpenStax CNX

- Content in modules for easy re-mixing
- Use modules as-is or organize into books
- Sign up to create and share your own modules





Your turn

1. Open the Google Drive spreadsheet “OER Workshop - Track your great finds”

<http://bit.ly/1qKuBfS>

2. Open the CCCOER resource page at:

<http://oerconsortium.org/find-oer> to begin your search

3. Claim a row on the spreadsheet and share any promising resources you find in your searching



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Tracking & Organizing



<https://evernote.com/>



<https://www.diigo.com/>

<http://guides.kirkwood.edu/opentextbooks>



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Creative Commons Licenses

Simple, standardized way to grant copyright permissions



Permission:



Attribute-BY



Non-Commercial?

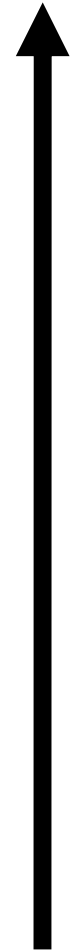


Share alike?

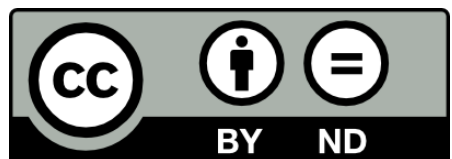
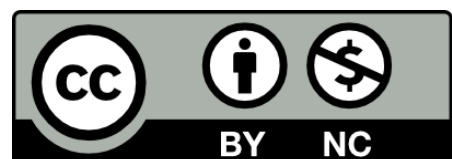
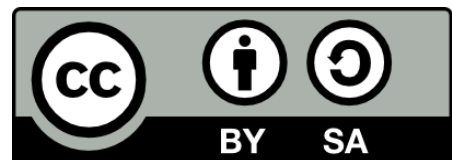
<http://creativecommons.org>

Adapted from Ronda Neugebauer Slideshare

most free



least free



OER



Not OER



OER

Expanding Access or Not?

DIGITAL

+

OPEN LICENSE



ACCESSIBLE



Need for Accessibility

- Expand access
 - 707,000 students with disabilities enrolled in U.S. colleges 2008-09
- Laws and Guidelines
 - Section 508 of Rehabilitation Act
 - Web Content Access Guidelines (WCAG)
 - Universal Design for Learning



Morguefile.com



Diverse Learner Challenges

- Cognitive learning disabilities
- Sensory & motor impairments
- English language deficits
- Lack of engagement



Kersti Nebelsiek CC-BY



Top 4 Accessibility Must-dos

- Visit the the Center for Access and Accommodation.
- Use “styles” in Word docs and web pages
- Use image descriptions and caption videos
- Label tables and other complex information



	Traditional Textbook	Open Textbook	Open Educational Resources (OER)
How is it adopted by an instructor?	Selection is made and approved by colleagues, department head and/or dean, depending on the policies of the college. The bookstore is also included and notified of changes to text selection.	Selection is made and approved by colleagues, department head and/or dean, depending on the policies of the college. The bookstore is also included and notified of changes to text selection.	Selection is made and approved by colleagues, department head and/or dean, depending on the policies of the college. The bookstore is also included and notified of changes to text selection.



Adoption & Support

Stakeholders:

- Department head or Dean
 - Articulation agreement considerations?
- Bookstore
- LMS coordinator
 - Student access
- Librarians
 - Searching
 - Licensing & copyright
- Disability or Learning Services



“Team” image by Dawn Manser, flickr, Creative Commons attribution license



A Few Last Words...

1. Before you order your textbook(s) for next semester... please look at Open Textbooks (e.g., OpenStax) and other OER.
2. What OER can you reuse, revise, remix from others?
3. License your works with CC
4. Make it a community effort



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Questions?



Community College Consortium
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Thank you for coming!!