

Effective Methods of Searching for OER Materials

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Session Outcomes

- Participants will be able to successfully search for OER resources using a variety of search tools and search strategies
- Participants will be exposed to and will be able to use one or more curatorial tools to assist in gathering and organizing OER materials.

What does OER Mean?

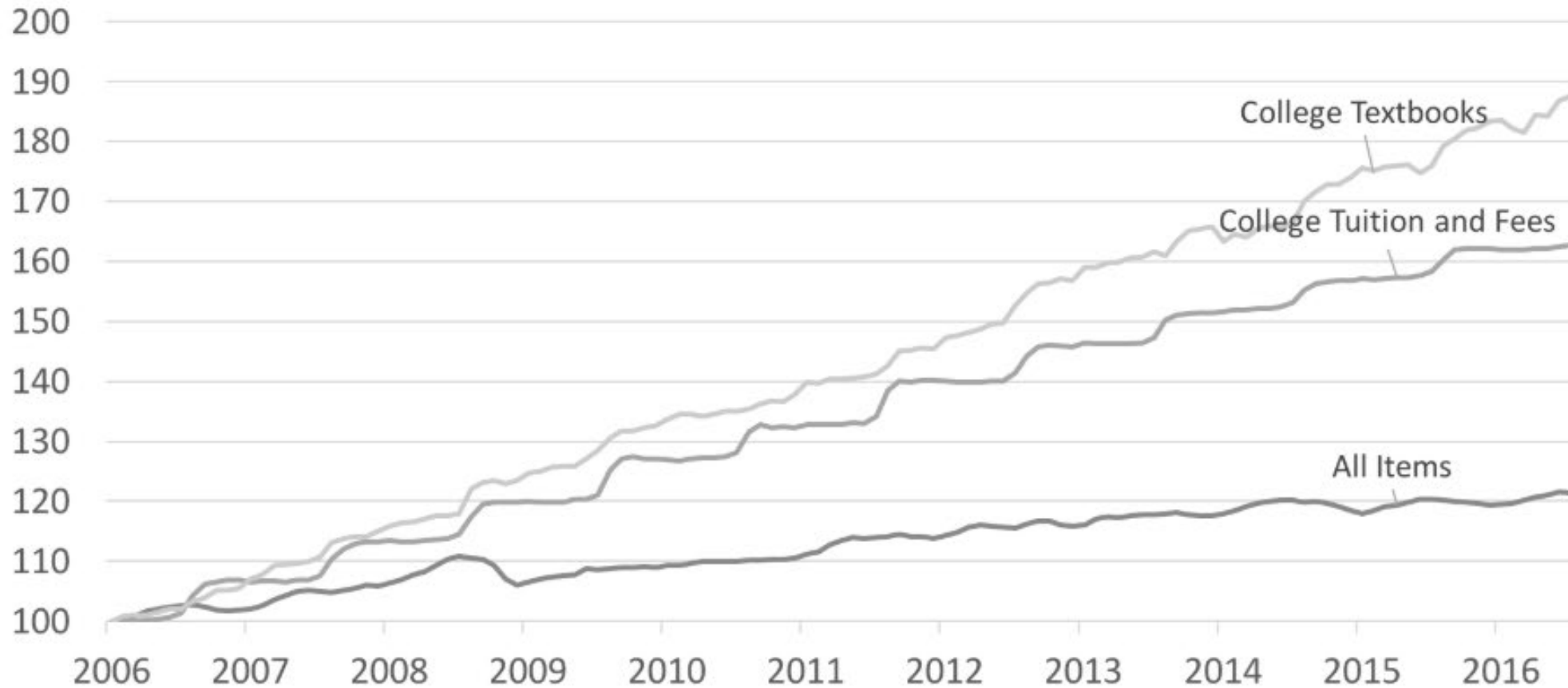
Open Educational Resources (OER)

UNESCO Definition: 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.

Why Use OER Materials

- OER has been shown to increase student learning while breaking down barriers of affordability and accessibility. (Feldstein et al., 2012)
- According to the *Chronicle of Higher Education*, 7 in 10 students didn't purchase a textbook because it was too expensive.
- 1 in 5 students has bypassed a course due to the cost of materials (Cengage, n.d.)
- The cost of textbooks is rising at a rate four times that of inflation
- 60% of students have delayed purchasing textbooks until they've received their financial aid.

Consumer Price Index: Textbooks, Tuition, All Items Comparison



Bureau of Labor Statistics

The 5Rs of Open Education Resources

- 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 (e.g., in a class, in a study group, on a website, in a video)
- Revise – the right to adapt, adjust, modify, or alter the content itself (e.g., translate the content into another language)
- Remix – the right to combine the original or revised content with other open content to create something new (e.g., incorporate the content into a mashup)
- Redistribute – the right to share copies of the original content, your revisions, or your remixes with others (e.g., give a copy of the content to a friend)



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"



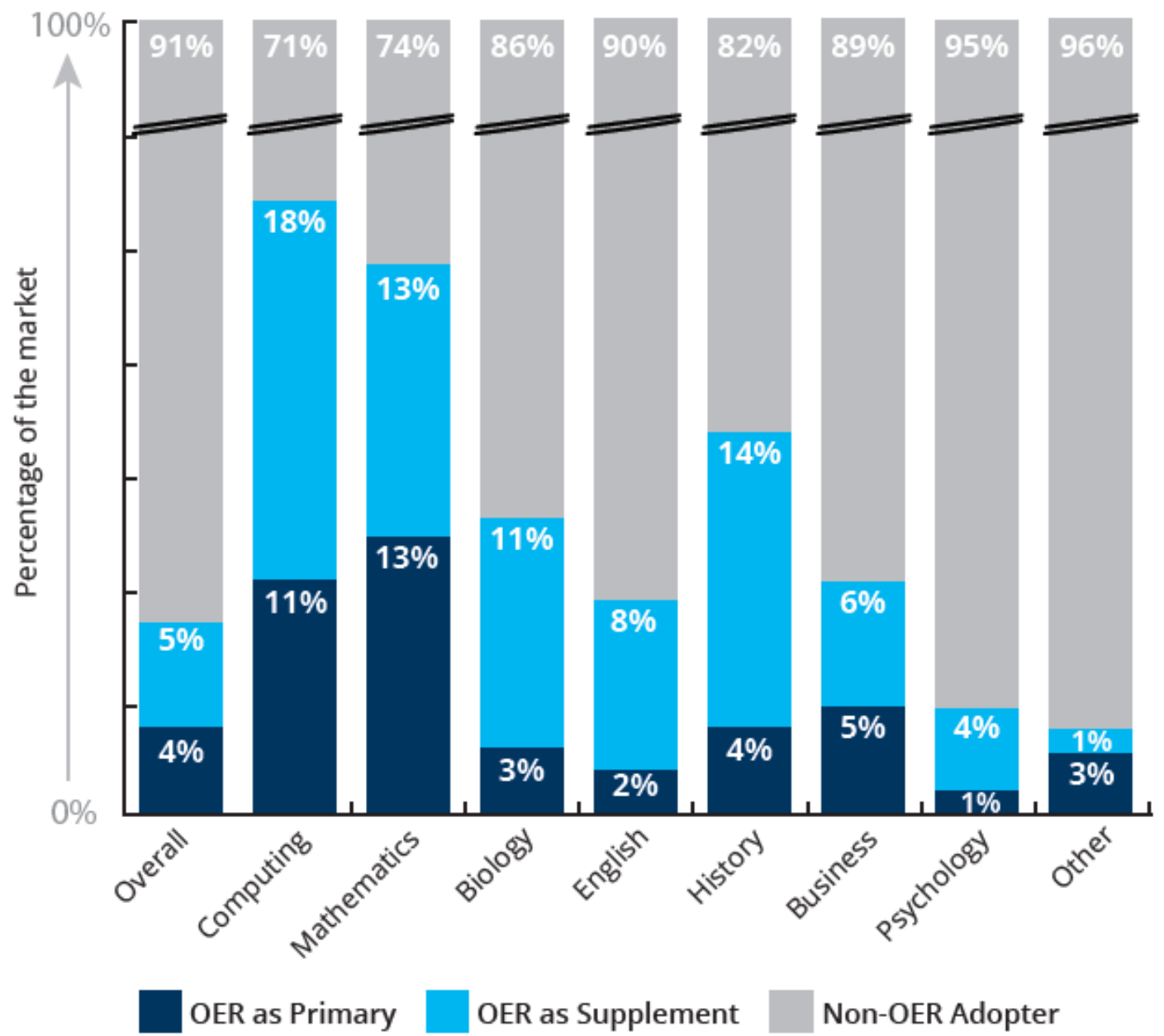
Remix

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



Redistribute

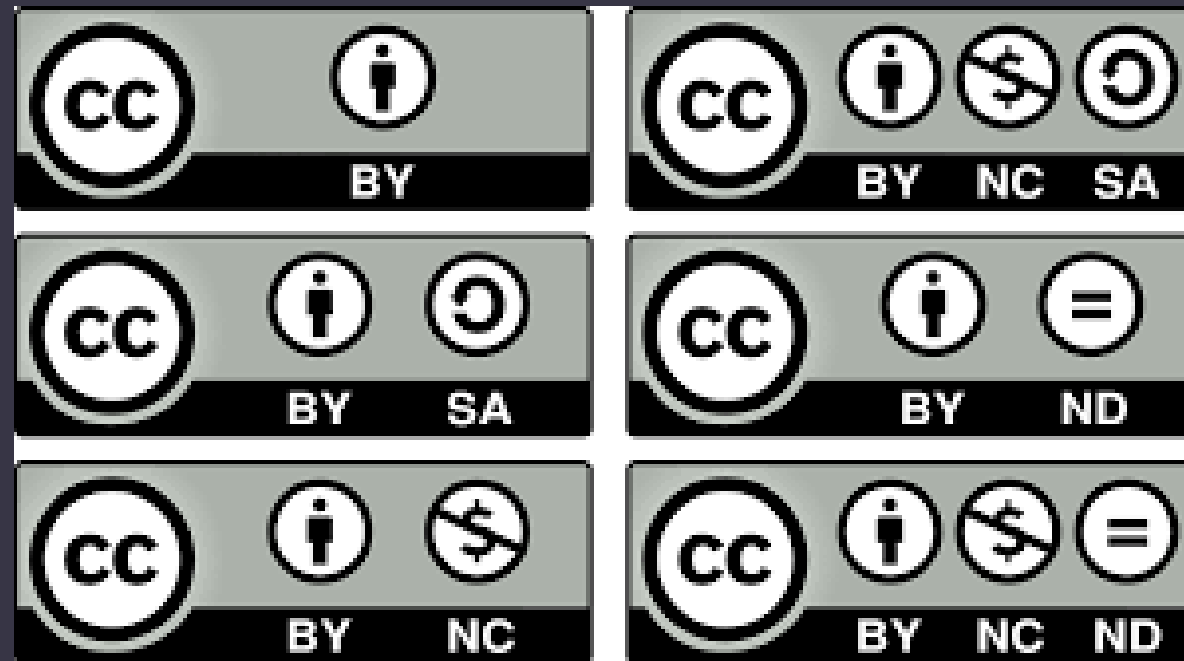
You can share the work with others



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○ <https://wiki.creativecommons.org>



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You can use it,
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No Derivatives (ND): You can use it, but you can't modify it.



FORT HAYS STATE UNIVERSITY
FORSYTH LIBRARY

Forward thinking. World ready.

- Attribution, abbreviated "BY" and symbolized by a little guy in a circle
- ShareAlike, abbreviated "SA" and symbolized by a circular arrow
- NonCommercial, abbreviated "NC" and symbolized by a dollar sign with a slash through it
- No Derivatives, abbreviated "ND" and symbolized by an equals sign

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Learning Initiatives & OER Librarian
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Although there are lots of types of open licenses, open educational resources usually use a Creative Commons License. There are seven types of Creative Commons Licenses, including CC0, which means that no rights are reserved:

License	Retain?	Reuse?	Revise?	Remix?	Redistribute?
 License: CC-Zero	Yes	Yes	Yes	Yes	Yes
 License: Attribution	Yes	Yes	Yes	Yes	Yes
 License: Attribution ShareAlike	Yes	Yes	Yes	Yes	Yes, but
 License: Attribution Noncommercial	Yes	Yes, but	Yes	Yes	Yes, but
 License: Attribution Noncommercial ShareAlike	Yes	Yes, but	Yes	Yes	Yes, but
 License: Attribution No Derivatives	Yes	Yes	No	No	Yes
 License: Attribution Noncommercial No Derivatives	Yes	Yes, but	No	No	Yes, but
 License: All Rights Reserved	No	No	No	No	No

Image CC-BY [Sheddin](#)

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Fort Hayes State University. (2018). OER Resources: Licensing. Retrieved from <https://fhsuguides.fhsu.edu/OERs/licensing>

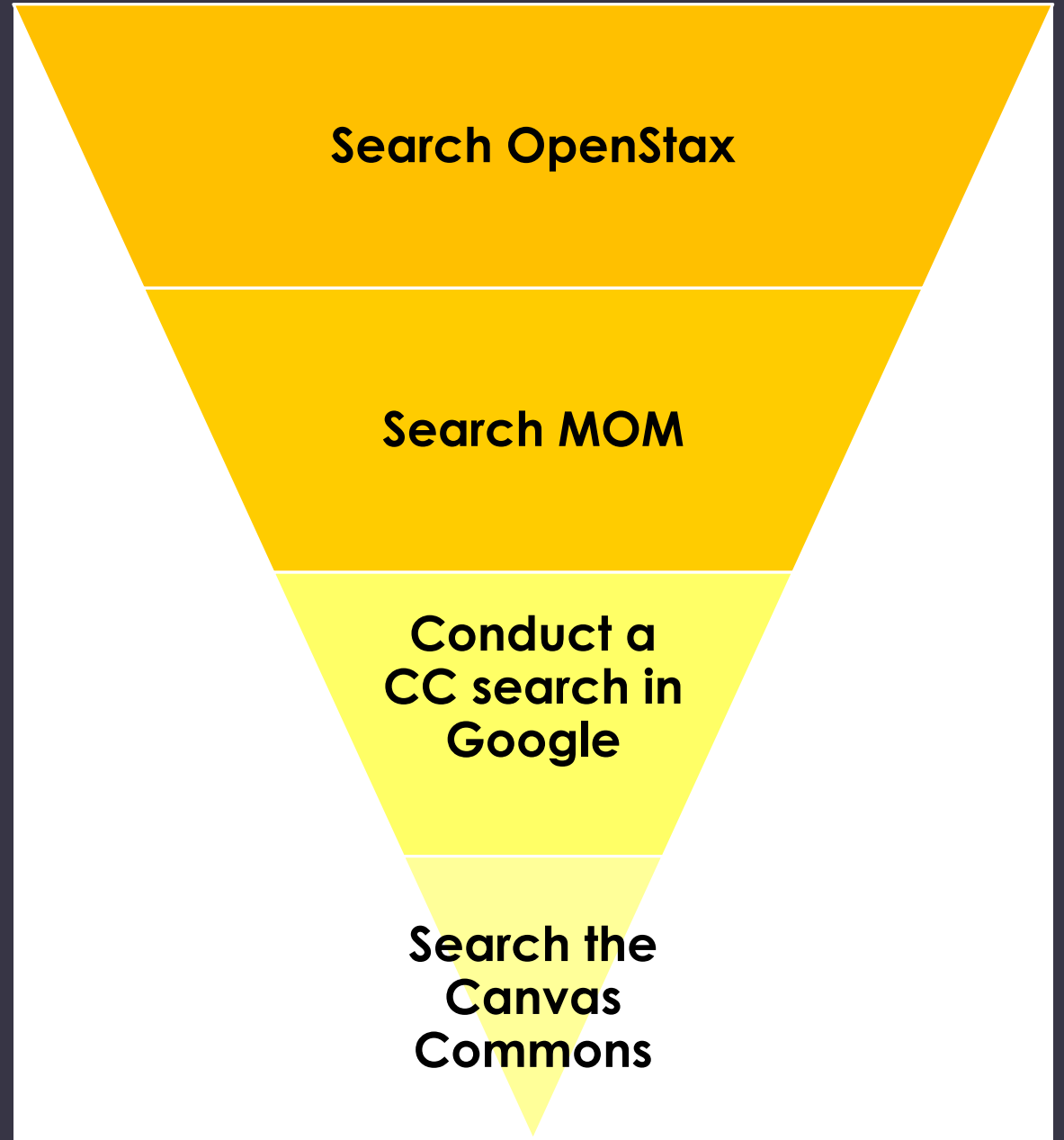
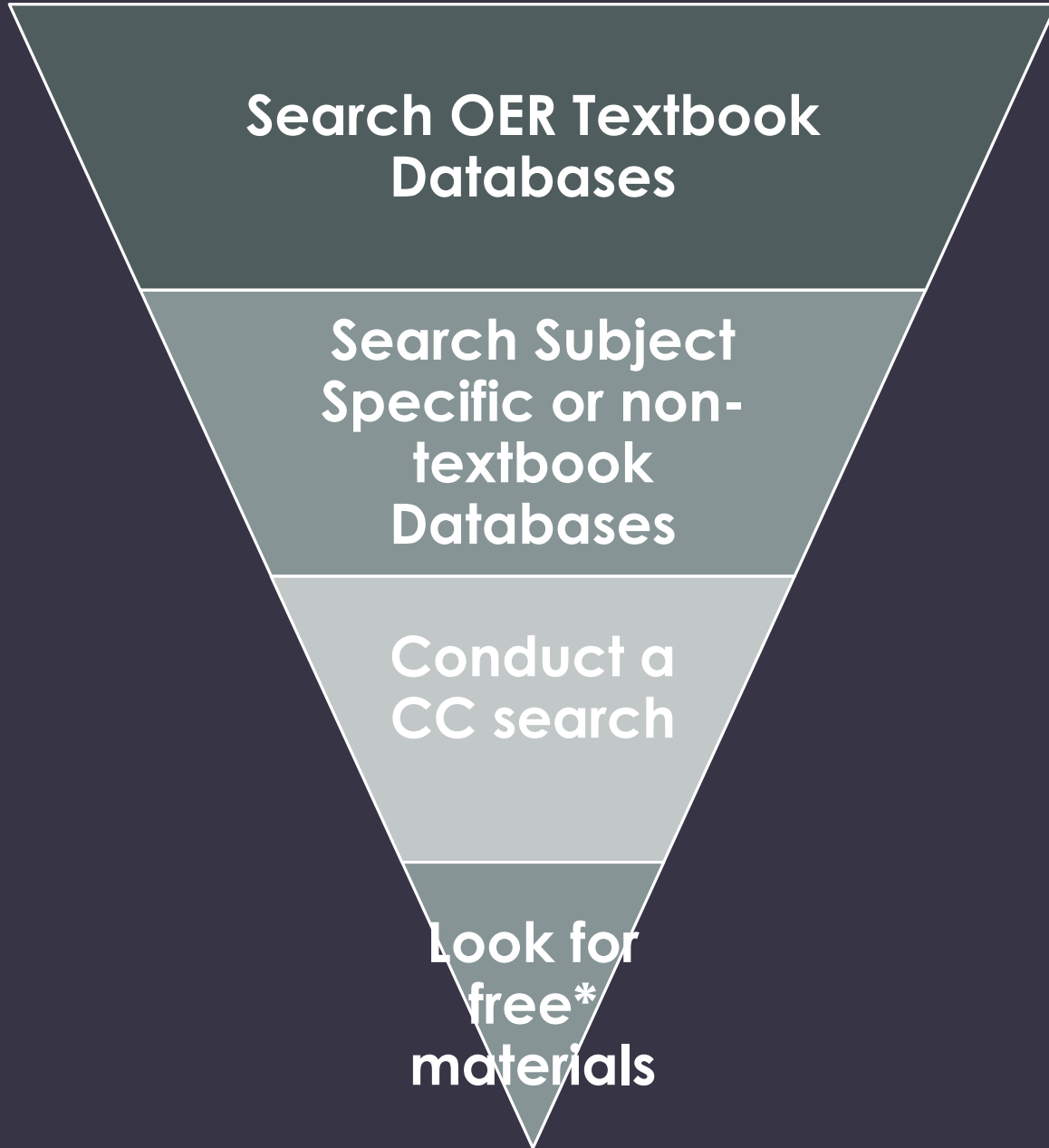
Effective Ways to Find OER Materials

Search OER Textbook Databases

**Search Subject Specific
or non-textbook
Databases**

**Conduct a CC
search**

**Look for
free*
materials**



Open Textbooks Collections

- Open Stax College (Affiliated with Rice University)
- Open Textbook Library (Affiliated with U of Minnesota)
- BC Campus Open Ed (Province wide resource)
- Galileo (Affiliated with U of Georgia System)
- Orange Grove (Florida's OER Repository)
- Saylor Open Textbooks (Open Flat World Books are included here)
- College Open Textbooks (Focus on years 13-14)

Non-textbook OER databases

- BC Campus OER by Discipline Guide
- Mason OER Metafinder (MOM) (a project of George Mason U)
- MERLOT (one of the original databases)
- OASIS (project of SUNY & CUNY)
- OER Commons

Searching via OER Commons

www.oercommons.org

Select Advanced Search

Search Resources

american revolution

All Subject Areas ▾ All Grade Levels ▾ All Conditions of Use ▾ **Search**

Additional Search Criteria

Education Standards: ▾

Resource Evaluation Criteria: ▾ Search by Language: ▾

> <input type="checkbox"/> Subject Area	> <input type="checkbox"/> Rubric Evaluated
> <input type="checkbox"/> Educational Use	> <input type="checkbox"/> Content Source
> <input type="checkbox"/> Material Type what's this?	> <input type="checkbox"/> Primary User
Activities & Assignments	> <input type="checkbox"/> Level
Class Guides	> <input type="checkbox"/> Media Format
Courseware	> <input type="checkbox"/> Accessibility
Instructor Materials	> <input type="checkbox"/> Conditions of Use
Mixed Media	
Reading Materials	
> <input type="checkbox"/> Member Activity	

Clear **Search**

Rebecca's Favorite Tool



○ <https://www.oercommons.org/hubs/minnesota>

Creative Commons Search Tools

- Creative Commons Search Beta
- Google Search (delimited)
- Pitt Bull Experiment <https://www.techlearning.com/tl-advisor-blog/todays-newsletter-pit-bull-search-experiment-steve-baule>

Finding Materials in the Canvas Commons



← Search

A search result card with a dark blue header area containing three white dots. Below the header, the text reads:

Blank - Rebecca Graetz - 2
BLANK.REBECCA.GRAETZ.1

A panel showing course management options. At the top, it says "Course Status" with two buttons: "Unpublished" (with a red circle and slash icon) and "Publish" (with a checkmark icon). Below this are several buttons: "Import from Commons" (with a circular arrow icon), "View Course Stream" (with a bar chart icon), "Course Setup Checklist" (with a question mark icon), "New Announcement" (with a megaphone icon), and "Student View" (with a person icon). A purple arrow points from the "Publish" button down to the "Import from Commons" button.

Curation Tools

Sample Curation Tools

- eduClipper
- Diigo
- Dropbox
- Pinterest
- Storify
- Symbaloo
- Zotero

Diigo



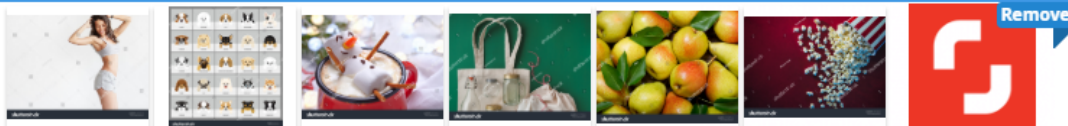
- Pronounced Dee'go
- An abbreviation for *Digest of Internet Information, Groups and Other stuff.*



My Library

Search...

Collapse All Bulk Edit



- All
- Annotated
- Unread
- More

- Tags
- | | |
|----------|---|
| Diigo | 2 |
| diigolet | 1 |
| Chrome | 1 |
- [All tags](#) [Top 300](#)

The Orange Grove 15 minutes ago

www.floridashines.org + tag

in Outliner: OER Materials

MERLOT 16 minutes ago

www.merlot.org + tag

in Outliner: OER Materials

Download Update - (Windows Driver Updater) Remove Ads

(512) 373-3518

→ Visit Website

Windows 64/32 Bit Driver Download Download Driver Support™ Free Scan. Great Customer Service. Online Account Access. Free Software Support. Types: Windows Drivers, Free Driver Scan, Fix Printer Drivers, Microsoft Drivers.

Set Best Browser Start Page - Sync Your Music Games, Emails - Sync Services To Start Page

→ Visit Website

Enjoy a quick, easy browsing experience, beautiful designs, Easy Sync To Email, To-do. Install now , 5 stars rating in official extension store to enjoy games, music and more. 5 star rating. Official **Chrome** Store. Free Install.

Defining OER | Understanding OER 17 minutes ago

courses.lumenlearning.com + tag


in Outliner: OER Materials

OER Definitions 19 minutes ago


oer.psu.edu + tag
















in Outliner: OER Materials

My Outliners

diigo My Library My Outliners My Groups Tools Upgrade  smbaule

My Outliners



Title	Updated at		
 OER Materials	Jan 11, 2019		
 PD Educational Leadership	Jan 11, 2019		
 Internship	Jan 10, 2019		
 Papal History	Jan 10, 2019		
 Why and how to use Outliner	Dec 22, 2018		

Diigo Groups (Pre-curated links)

The screenshot shows the Diigo website interface. At the top, there is a navigation bar with the Diigo logo, links for 'My Library', 'My Outliners', 'My Groups', and 'Tools', and a user profile for 'smbaule' with an 'Upgrade' button. Below the navigation bar is a blue header with the text 'My Groups'. On the left side, there is a vertical sidebar with a list of categories: Business & Finance, Computers & Internet, Cultures & Community, Entertainment & Arts, Family & Home, Games, Government & Politics, Health & Wellness, Collecting & Hobbies, Music, Recreation & Sports, Religion & Beliefs, Romance & Relationships, and Schools & Education (which is highlighted with a blue background and a right-pointing arrow). The main content area is titled 'Browse Groups By Category: Schools & Education (totally 2319)' and includes a breadcrumb trail: 'You are here: Diigo Home > Groups > Schools & Education'. Below this, there are three group listings, each with a small icon, a title, a description, and statistics. The first group is 'Literacy with ICT' with a description about enhancing student engagement and learning through technology, and statistics: Last active on: about 4 hours ago, Visits: 23096, Items: 39903, Members: 2168. The second group is 'Ed Tech Crew' with a description about a group established around a podcast to share information and ideas, and statistics: Last active on: 2019-01-06, Visits: 7579, Items: 6103, Members: 1205. The third group is 'Classroom 2.0' with a description about a place for members of www.Classroom20.com to share links, and statistics: Last active on: 2019-01-10, Visits: 48314, Items: 7900, Members: 7733. A fourth group, 'Discovery Educator Network', is partially visible at the bottom.





diigo My Library My Outliners My Groups Tools Upgrade smbaule

My Groups

- Business & Finance
- Computers & Internet
- Cultures & Community
- Entertainment & Arts
- Family & Home
- Games
- Government & Politics
- Health & Wellness
- Collecting & Hobbies
- Music
- Recreation & Sports
- Religion & Beliefs
- Romance & Relationships
- Schools & Education**

Browse Groups By Category: Schools & Education (totally 2319)

You are here: [Diigo Home](#) > [Groups](#) > [Schools & Education](#)

	Literacy with ICT LwICT is a group for educators working to enhance student engagement and learning via the infusion of technology across the curricula.	Last active on: about 4 hours ago Visits: 23096 Items: 39903 Members: 2168
	Ed Tech Crew This group has been established around the Ed Tech Crew podcast to share site, information, links, ideas and thoughts. Please feel free to join and to add any great links or ideas; the more the better ...	Last active on: 2019-01-06 Visits: 7579 Items: 6103 Members: 1205
	Classroom 2.0 A place for members of www.Classroom20.com to share links, Classroom 2.0 is social networking site devoted to those interested in the practical application of computer technology (especially Web 2.0) i...	Last active on: 2019-01-10 Visits: 48314 Items: 7900 Members: 7733
	Discovery Educator Network	

Insert items to outline

Search in library

All Bookmarks Images PDFs Notes Kindle

- The Orange Grove
- MERLOT
- Defining OER | Understanding OER
- OER Definitions
- What is OER? - Creative Commons

Education | EQUELLA

Ed.:Administration & Supervis

eSCHOOL NEWS 2 crucial lessons to help your district m



eSCHOOL NEWS Cross training can help district leaders s

Cross training can help district leaders s

- OER Definitions
- What is OER? - Creative Commons
- OER Definitions Penn State
- Defining OER | Understanding OER OER Services
- Why Use OER Materials?
- Online_Learner_Readiness_Rubric.pdf
- Benefits of Using OER

"OER has been shown to increase student learning while breaking down barriers of affordability and accessibility. Feldstein et al. (2012) conducted a research study at Virginia State University, where OER were implemented across nine different courses in the business department. Researchers found that students in courses that used OER more frequently had better grades and lower failure and withdrawal rates than their counterparts in courses that did not use OER.

According to the Chronicle of Higher Education, 7 in 10 students didn't purchase a textbook because it was too expensive.

One in five college students has skipped or deferred a class due to the price of the required learning resources.

The cost of textbooks is rising at a rate of 4 times inflation

60% of students have delayed purchasing textbooks until they've received their financial aid."

- A Review of the Effectiveness & Perceptions of Open Educational Resources As Com...
- OER Repositories
- MERLOT
- The Orange Grove

The Diigo Outliner for this Presentation

- Online Instruction
 - <https://www.diigo.com/outliner/git4z9/OnlineInstruction?key=0arfjq2aw1>

Exported Diigo Library (via *.csv)

	A	B	C	D	E	F	G	H
1	title	url	tags	descriptio	comment	annotatio	created_at	
2	The Orange Grove	https://www.floridashines.org/orange-grove	no_tag				1/11/2019 17:40	
3	MERLOT	https://www.merlot.org/merlot/index.htm	no_tag				1/11/2019 17:39	
4	Defining OER Understanding OE	https://courses.lumenlearning.com/suny-oercommunityco	no_tag				1/11/2019 17:38	
5	OER Definitions	https://oer.psu.edu/oer-definitions/	no_tag				1/11/2019 17:37	
6	What is OER? - Creative Commons	https://wiki.creativecommons.org/wiki/What_is_OER%3F	no_tag				1/11/2019 17:36	
7	Education EQUELLA	https://florida.theorange Grove.org/og/hierarchy.do?topic	no_tag			Highlight	1/11/2019 16:51	
8	2 crucial lessons to help your distr	https://www.diigo.com/item/image/6krt7/m32e	no_tag				1/10/2019 18:34	
9	Cross training can help district lea	https://www.diigo.com/item/image/6krt7/is2t	no_tag				1/10/2019 17:58	
10	Peer Reviewed Journals for Onlin	http://empowerteaching.usu.edu/journalsforteachingand	no_tag				1/10/2019 17:56	
11	Microsoft Word - Prentis_ Parish F	http://www.utc.edu.au/wp-content/uploads/2014/05/pre	no_tag				1/10/2019 16:40	
12	Journals - Educational Leadership	https://ncu.libguides.com/c.php?g=630029&p=4398005	no_tag			Highlight	1/9/2019 20:56	
13	Online_Learner_Readiness_Rubri	https://micourses.org/resources/pdf/toolkit/Online_Learn	no_tag				1/9/2019 13:11	
14	A Complete Guide to Heraldry/Ch	https://en.wikisource.org/wiki/A_Complete_Guide_to_Her	no_tag				1/3/2019 18:59	
15	The COUP Framework â€œ Open E	http://openedgroup.org/coup	no_tag	"The			1/2/2019 14:30	

Symbaloo

The screenshot displays the Symbaloo dashboard interface. At the top, the Symbaloo logo is on the left, followed by a navigation bar with tabs for Home, Education, and EDU Games. A search bar and utility icons (Options, Remove, Share) are on the right. The main area is filled with a grid of tiles. On the left, there are tiles for Google, Symbaloo Tour, Set as homepage!, Symbaloo Webinars, Symbaloo Features, Symbaloo Introduction, Learning Paths, Symbaloo Certification, and Symbaloo Quickstart. In the center, there is a search bar with the text "educational leadership" and a Google search interface. Below the search bar are tiles for Clever, schoology, IXL, and ZEARN. On the right, there are "Popular Tiles" including amazon, YouTube, GoDaddy.com, Walmart, TARGET, Zappos, woot!, wayfair, and Education Webmix. At the bottom right, there are tiles for PBS KIDS, Brain POP, Kahoot!, ABCya.com, prodigy, and Starfall. A bottom row of tiles includes Gmail, Google Classroom, Education Webmixes, Search Engines, and EDU News.

Evaluating the Impact of OER Use: COUP

- Cost
- Outcomes
- Usage
- Perceptions

OpenEdGroup. (2018). The COUP framework. Retrieved from <http://openedgroup.org/coup>.

Guides to OER Materials

- Concordia University Portland Library
 - <http://libguides.cu-portland.edu/OER/home>
- Consortium Library University of Alaska System
 - <https://libguides.consortiumlibrary.org/OER/searchstrategy>
- Forsyth Library, Fort Hayes State University
 - <https://fhsuguides.fhsu.edu/OERs>
- University of Illinois Library
 - <https://guides.library.illinois.edu/oer> (particularly the Evaluate OER section)
- University of Oklahoma Libraries
 - <https://guides.ou.edu/OER>
- University of South Carolina Libraries
 - <https://guides.library.sc.edu/OER>

References

Cengage. (n..d.) Open educational resources (OER) and the evolving higher education landscape. Retrieved from http://assets.cengage.com/pdf/wp_oer-evolving-higher-ed-landscape.pdf

Feldstein, A., Martin, M., Hudson, A., Warren, K., Hilton, J., & Wiley, D. (2012). Open textbooks and increased student access and outcomes. *European Journal of Open, Distance and E-Learning*.

Fort Hayes State University. (2018). OER Resources: Licensing. Retrieved from <https://fhsuguides.fhsu.edu/OERs/licensing>

Fort Hayes State University. (2018). What is an open educational resource (OER)? Retrieved from <https://www.fhsu.edu/oer/>

OpenEdGroup. (2018). The COUP framework. Retrieved from <http://openedgroup.org/coup>.

Penn State. (2018). OER and low cost materials at Penn State. Retrieved from <https://oer.psu.edu/benefits-of-using-oer/>.

Taylor, c. (2018). Open Educational Resources. Retrieved from <http://guides.ou.edu/c.php?g=113934&p=739332>