

Effective Methods of Searching for OER Materials

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NEED PD HOURS?

Each hour of live attendance at the conference is one PD Hour. We will issue PD hours for each day of the conference.

HAVE A QUESTION? NEED HELP?

The Help Desk on HopIn is available during conference hours or email support@il-edtech.org

Social Events:

Network in HopIn are the “coffee-in-the-lobby” conversations. Be automatically paired for up new connections.

Monday (11/16): 5:30 PM - 6:00 PM

Tuesday (11/17): 11:30 AM - 12:30 PM

Wednesday (11/18): 5:30 PM - 6:00 PM

Thursday (11/19) 11:30 AM - 12:30 PM

Games:

All week play along with IETC: The Game
Head to gamably.com and use the join code: TKPMQZ

Be on the lookout for secret words!

BINGO is Happening Friday Afternoon at 4:30.

Share Out:

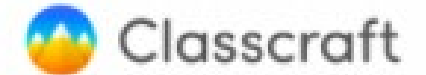
Don't forget social media! Share out using #IETC2020



Twitter Chat: Tuesday (11/16): 7:00 PM - 7:30 PM



THANK YOU TO OUR SPONSORS



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.

For more from UNESCO see:

UNESCO. (2019). Open Educational Resources (OER).
<https://en.unesco.org/themes/building-knowledge-societies/oer>.

Penn State. (2018). OER and low cost materials at Penn State.
<https://oer.psu.edu/oer-definitions/> (Short video defining OAER materials)

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.

Non-fiscal Reasons for Using OERs

- Resources can be more easily revised and/or adopted. Without cost, the traditional adoption or approval cycles can be amended or ignored in some cases.
- Materials can be modified to meet your individual curricular needs.
- It may be easier to modify materials for differentiation, use by ESL programs, and/or students with IEPs.
- Costs traditionally used for textbook adoption can be funneled into professional development.

Sixty percent of instructors responded that finding OER materials is difficult or very difficult according to *InsideHigherEd*.

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"



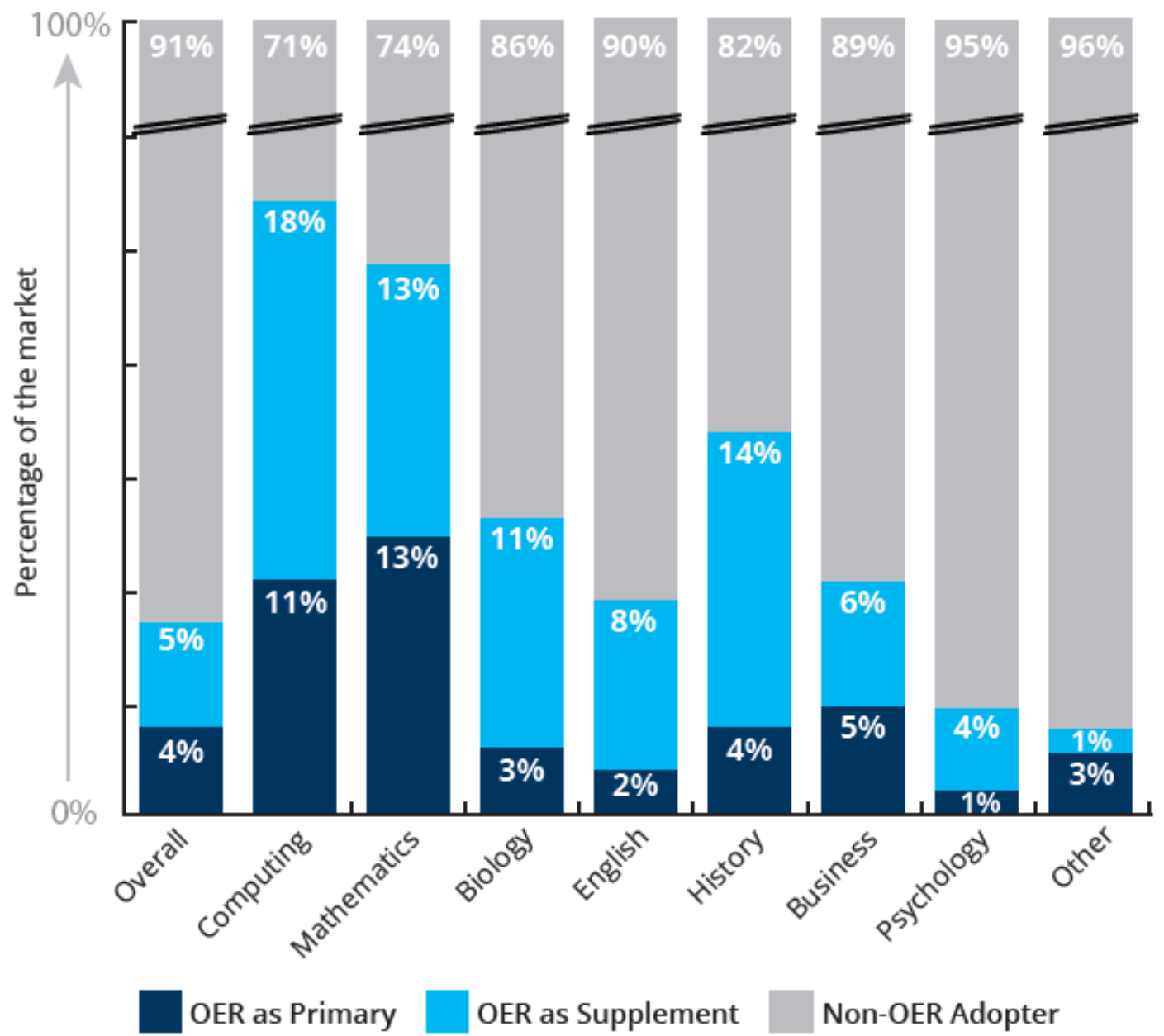
Remix

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



Redistribute

You can share the work with others



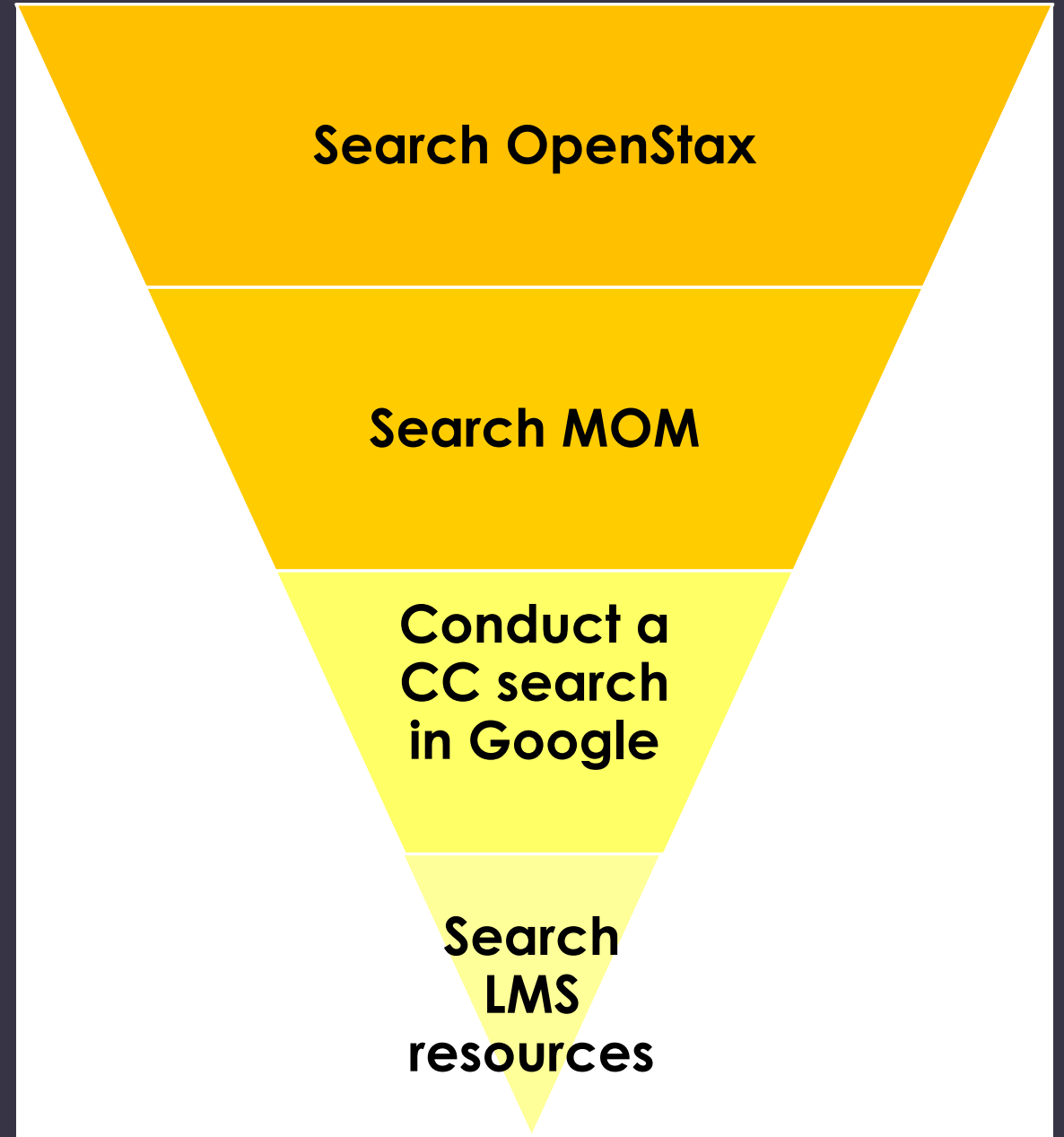
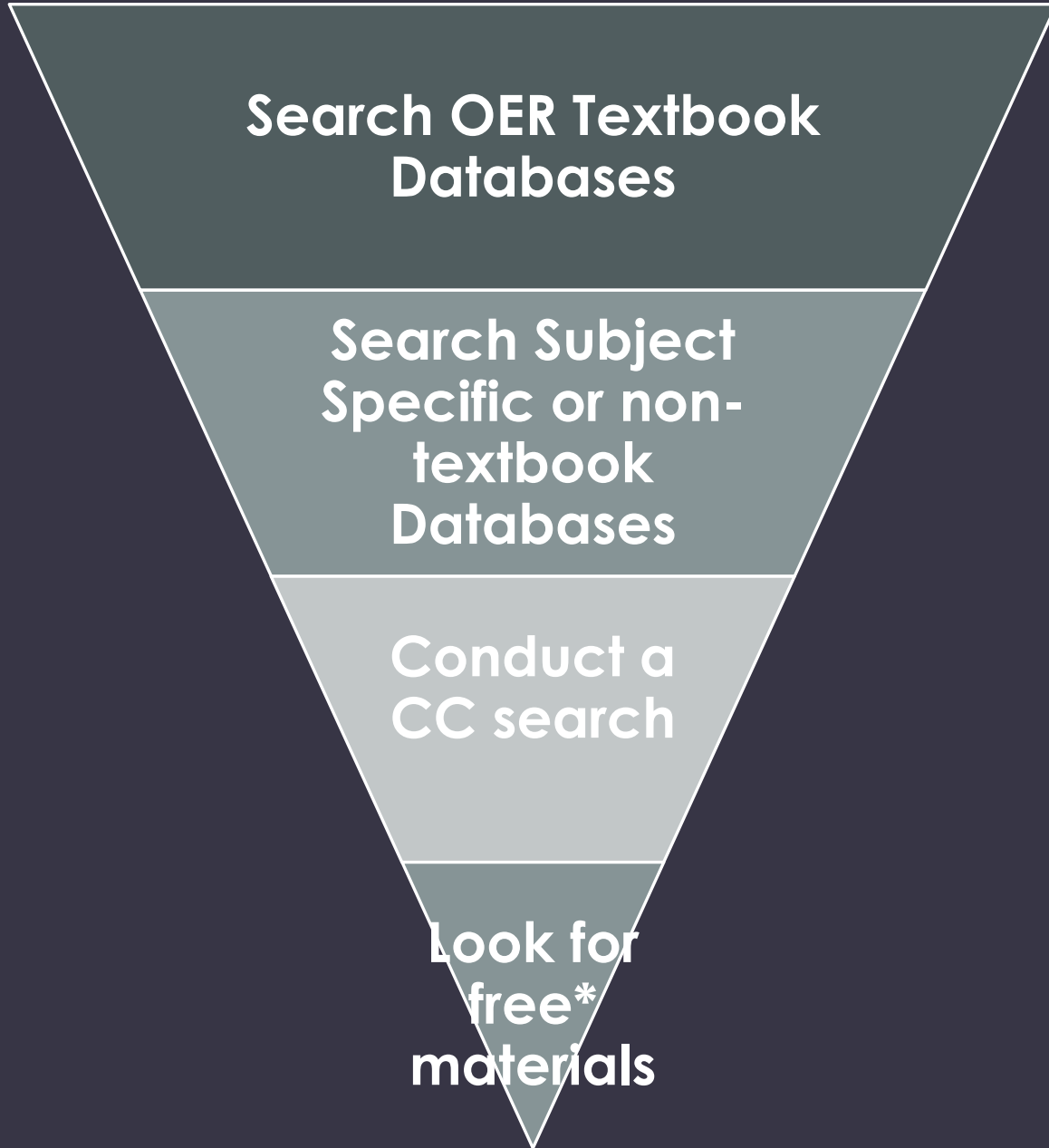
Effective Ways to Find OER Materials

Search OER Textbook Databases

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

**Conduct a CC
search**

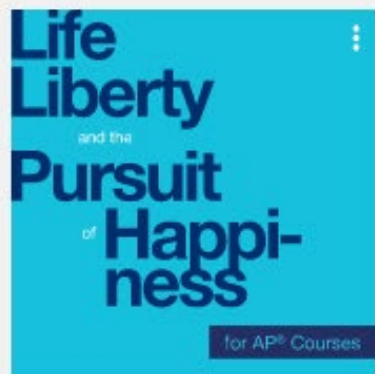
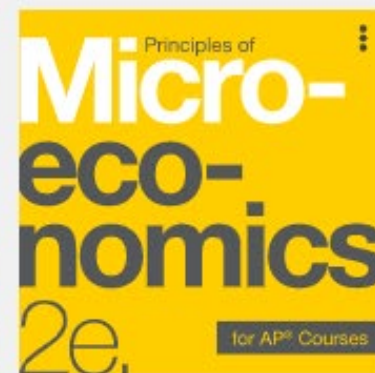
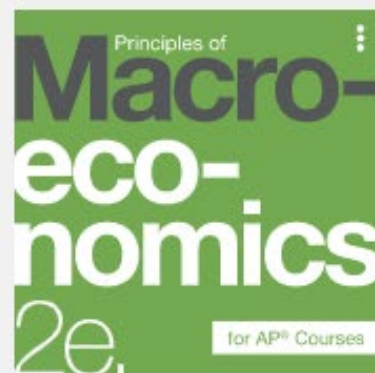
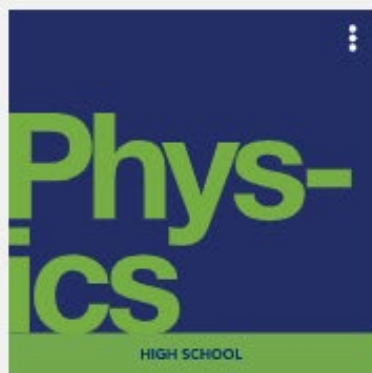
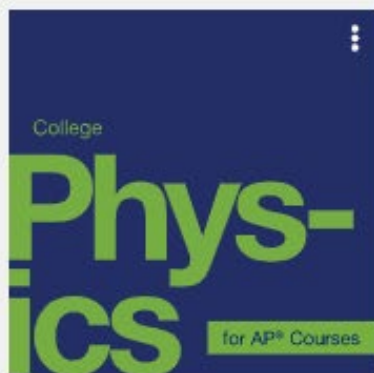
**Look for
free*
materials**



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)
- Saylor Open Textbooks (Open Flat World Books are included here)

High School





Open Textbook Library

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

Textbooks by Subject

[Business +](#)[Computer Science +](#)[Education +](#)



Search the web



Sign in

Get started

OPEN IMAGES

Library of Congress, Free...
Features items from the ...

CC Search Collection
CC Search searches acr...

Getty Search Gateway
All images of public dom...

Duke Digital Repositories
Continue to acquire and ...

Unsplash
Download the perfect abs...

Flickr CC collection
Many Flickr users have c...

Noun project
Sagittarius icons. SVG a...

OPEN SLIDES

Slides Carnival
The best Powerpoint PP...

OPEN TEXTBOOKS

OpenStax
The most widely adopted...

Pressbook Directory
staging.pressbooks.direct...

OER Commons
A dynamic digital library a...

BC Campus
Curated collection of ope...

Libretexts
Developing the next gene...

Open Oregon Publication
Promotes textbook afford...

NIGMS: Science Education
Findings and other NIGM...

BookBoon
Free textbooks written by...

American Institute of Mat...
Provide open textbooks i...

OPEN COURSE MATERIALS

PhET
Provides fun, free, intera...

COOL4Ed
Open textbooks and cour...

Skills Commons
The official repository of ...

OPEN.ED @PSU
Offers high-quality learni...

Lumen Learning
lumenlearning.com/cours...

MIT OpenCourseWare
Features the materials fr...

JHSPH Open
Provides 110 courses in ...

Open Course Library
81 open course package...

Open Yale Courses
Features the video lectur...

OPEN VIDEO & AUDIO

TED
TED allows the users to f...

YouTube
Provides millions of Creat...

Vimeo
Hhosts millions of Creativ...

Khan Academy
Provides top-quality educ...

Internet Archive
A non-profit library of milli...

Duke Digital Repositories
Continue to acquire and ...

Open Video Project
Collect and make availab...

CONTACT

This compilation is maintained by
Open Washington

Open-Licensed Science Resources

Textbook/Full-Course Instructional Material

[CK12 Foundation \(6-12\)](#)

[Utah Open Textbook Projects \(3-12\)](#)

[Libre Texts \(higher ed\)](#)

[Open Stax \(AP and higher ed\)](#)

Supplemental Resources

[Concord Consortium](#)

[National Science Digital Library](#)

[National Academies Press \(all PDF books are free\)](#)

[PhET](#)

[Public Library of Science](#)

Non-textbook OER databases

- BC Campus OER by Discipline Guide
- Curriki <https://www.curriki.org/>
- Mason OER Metafinder (MOM) (a project of George Mason U)
- MERLOT <https://www.merlot.org/merlot/>
- OASIS (project of SUNY & CUNY)
- OER Commons <https://www.oercommons.org/>
- OpenStax CNX <https://cnx.org/>

MOM

What are we searching?

- American Memory Project (Library of Congress)
- AMSER – Applied Math and Science Education Repository
- BC Campus:Open Ed
- Digital Public Library of America
- Directory of Open Access Books (DOAB)
- HathiTrust – Full View Available
- JSTOR Open Access Books
- Library of Congress (*limit to available online*)
- Merlot.Org
- MIT OpenCourseware
- New York Public Library Digital Collections
- OAOpen.org
- OASIS
- OER Commons
- OERs at Internet Archive
- Open Michigan
- Open Research Library
- Open Textbook Library
- OpenStax CNX
- Project Gutenberg
- World Digital Library

@OerMason

Open-Licensed Social Studies Resources

[Library of Congress](#)

[Michigan Open Book Project](#)

[National Archives - Docs Teach](#)

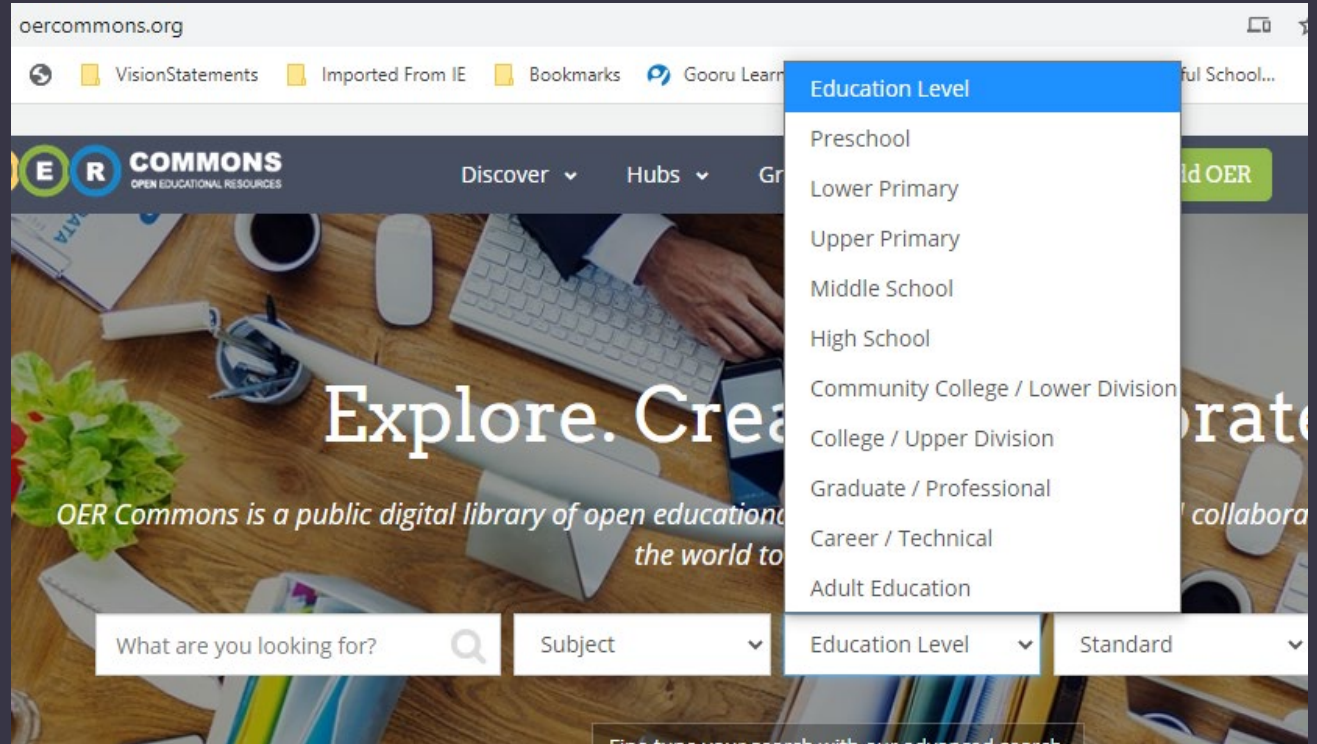
[Teaching History](#)

[Since Time Immemorial: Tribal Sovereignty in Washington State](#)

[US History.org](#)

Searching via
OER
Commons
www.oercommons.org

Select
Advanced
Search



Creative Commons Search Tools

- Creative Commons Search <https://creativecommons.org/>
- Google Search (delimited)

- Pitt Bull Experiment <https://www.techlearning.com/tl-advisor-blog/todays-newsletter-pit-bull-search-experiment-steve-baule>

Delimited Google Search

https://www.google.com/advanced_search

Advanced Search

Find pages with...

all these words:	<input type="text"/>	Type the important words: tricolor rat terrier
this exact word or phrase:	<input type="text"/>	Put exact words in quotes: "rat terrier"
any of these words:	<input type="text"/>	Type OR between all the words you want: miniature OR standard
none of these words:	<input type="text"/>	Put a minus sign just before words you don't want: -radent, -"Jack Russell"
numbers ranging from:	<input type="text"/> to <input type="text"/>	Put 2 periods between the numbers and add a unit of measure: 10..35 lb, \$300..\$500, 2010..2011

Then narrow your results by...

language:	<input type="text" value="any language"/>	Find pages in the language you select.
region:	<input type="text" value="any region"/>	Find pages published in a particular region.
last update:	<input type="text" value="anytime"/>	Find pages updated within the time you specify.
site or domain:	<input type="text"/>	Search one site (like wikipedia.org) or limit your results to a domain like .edu, .org or .gov
terms appearing:	<input type="text" value="anywhere in the page"/>	Search for terms in the whole page, page title, or web address, or links to the page you're looking for.
SafeSearch:	<input type="text" value="show most relevant results"/>	Tell SafeSearch whether to filter sexually explicit content.
file type:	<input type="text" value="any format"/>	Find pages in the format you prefer.
usage rights:	<input type="text" value="free to use share or modify"/>	Find pages you are free to use yourself.

Advanced Search

Find pages with...

all these words:

this exact word or phrase:

any of these words:

none of these words:

numbers ranging from:

to

To do this in the search box

Type the important words: `tricolor rat terrier`

Put exact words in quotes: `"rat terrier"`

Type OR between all the words you want: `miniature OR standard`

Put a minus sign just before words you don't want:
`-rodent, -"Jack Russell"`

Put 2 periods between the numbers and add a unit of measure:
`18..35 lb, $300..$500, 2010..2011`

Then narrow your results by...

language:

Find pages in the language you select.

region:

Find pages published in a particular region.

last update:

Find pages updated within the time you specify.

site or domain:

Search one site (like `wikipedia.org`) or limit your results to a domain like `.edu`, `.org` or `.gov`.

terms appearing:

Search for terms in the whole page, page title, or web address, or links to the page you're looking for.

SafeSearch:

Tell SafeSearch whether to filter sexually explicit content.

file type:

Find pages in the format you prefer.

usage rights:

Find pages you are free to use yourself.

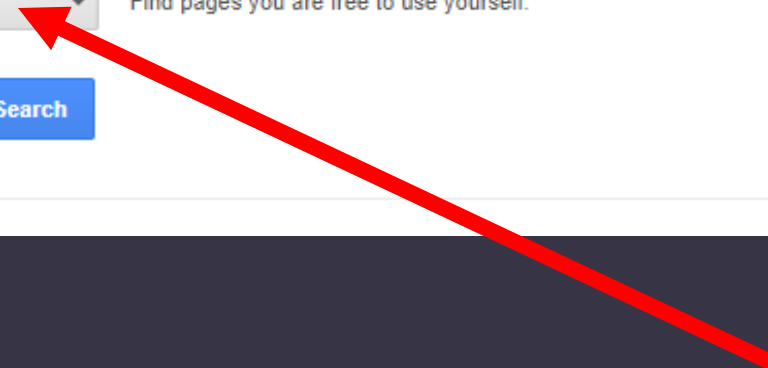
Advanced Search

Then narrow your results by...

language:	<input type="text" value="any language"/>	Find pages in the language you select.
region:	<input type="text" value="any region"/>	Find pages published in a particular region.
last update:	<input type="text" value="anytime"/>	Find pages updated within the time you specify.
site or domain:	<input type="text"/>	Search one site (like <code>wikipedia.org</code>) or limit your results to a domain like <code>.edu</code> , <code>.org</code> or <code>.gov</code>
terms appearing:	<input type="text"/>	Search for terms in the whole page, page title, or web address, or links to the page you're looking for.
SafeSearch:	<input type="text"/>	Tell SafeSearch whether to filter sexually explicit content.
file type:	<input type="text"/>	Find pages in the format you prefer.
usage rights:	<input type="text" value="not filtered by license"/>	Find pages you are free to use yourself.

- not filtered by license
- 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

Advanced Search



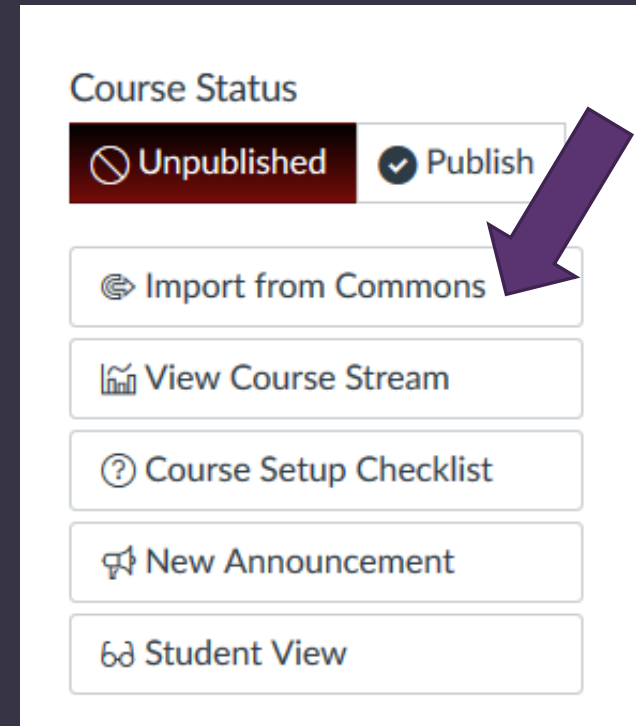
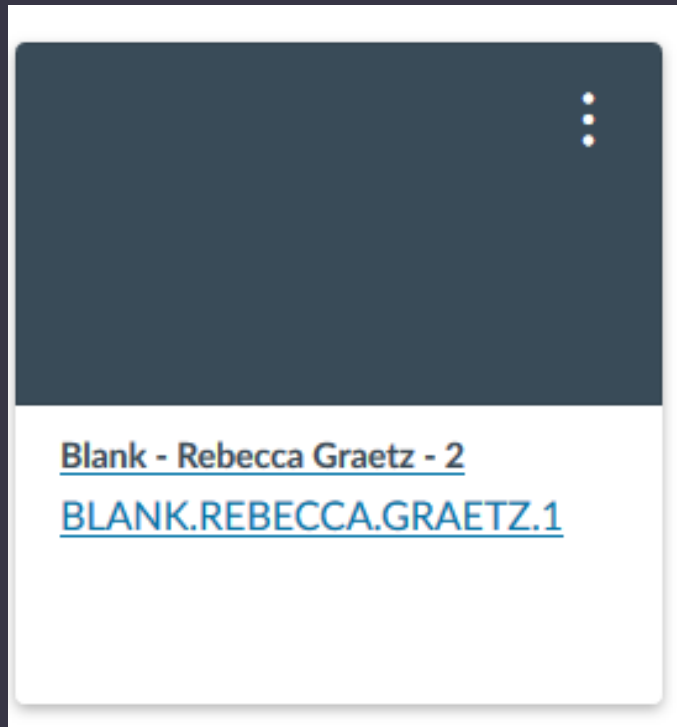
Open Image Databases

- Pixabay <https://pixabay.com/>
- Unsplash Images <https://unsplash.com/>
- Gratisography <https://gratisography.com/>
- Skuank <http://skuawk.com/>

Finding Materials in the LMS (Canvas) Commons



← Search





[HOME](#)

[PROJECTS](#)

[PUBLICATIONS](#)

[ARCHIVES](#)

[ABOUT](#)



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 bar). 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:

- Literacy with ICT**: Last active on: about 4 hours ago. Visits: 23096. Items: 39903. Members: 2168. Description: LwICT is a group for educators working to enhance student engagement and learning via the infusion of technology across the curricula.
- Ed Tech Crew**: Last active on: 2019-01-06. Visits: 7579. Items: 6103. Members: 1205. Description: 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 ...
- Classroom 2.0**: Last active on: 2019-01-10. Visits: 48314. Items: 7900. Members: 7733. Description: 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...

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 | district leaders sle

- 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
- Open Textbook Library

The Diigo Outliner for this Presentation


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

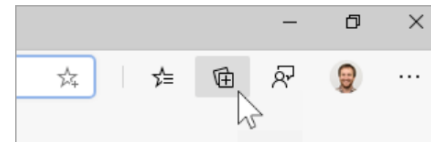
Exported Diigo Library (via *.csv)

	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_He	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	

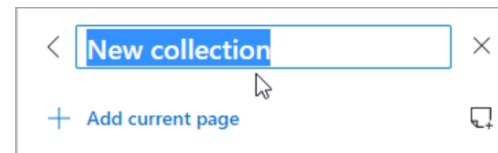
Microsoft Collections

On a computer

1. Select **Collections**  at the upper-right corner of Microsoft Edge and then **Start new collection**.




2. To change the title of the collection, select it at the top of the Collections pane.



When you're ready to start adding content to your collection, you can do this in several ways:

- Select **Add current page** to save an entire webpage to the collection.
-

 Learn how to start a new business and become a successful entrepreneur. Join our FREE course: Introduction to entrepreneurship. [Register my interest now!](#)

K-12math.info (English - Español – Français)

K-12math.info simplifies searches:


K-12math.info exists to help anyone “... to help a 7 year old (second grader) to add whole numbers” . Be they classmates, parents of, teacher of, school content coordinator, reference librarians, materials developer, curriculum designers, undergraduates and graduate students who are preparing to help.

see [K-12math.info](#)

* K-12math.info a top 5 star Merlot Open Access educational resource that has been twice nominated (2018, 2016) by United Nations members for the World Summit in the Information Society (WSIS) e-learning award.

OER_Collections

+ Add current page



Add content here

Drag an image or selected text to start a new collection.

Add current page

< OER_Collections ×

+ Add current page

- K-12math.info (English – Français) - WikiEducator
- WE wikieducator.org
- K12 Online | Fandom
- fandom.com
- Free Online Textbooks, World Examples, Simulations
- ck12.org
- Ultimate Home Of Printables - Open Source Text!!
- opensourcetext.org

- Send to Excel
- Send to OneNote
- Send to Word
- Send to Pinterest
- Sort by date created
- Sort by name
- Open all
- Copy all
- Paste

Explored to MS Word



OER_Collections

[K-12math.info \(English - Español – Français\) - WikiEducator](#)

[K12 Online | Fandom](#)

[Free Online Textbooks, Flashcards, Adaptive Practice, Real World Examples, Simulations](#)

[Ultimate Home Of Printables - Open Source Text!!](#)

Guides to OER Materials

- College of DuPage
 - <https://codlrc.org/education/k12oer>
- 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>
- Illinois OER
 - <http://ioer.ilsharedlearning.org/>
- Minnesota State Opendora
 - <https://opendora.minnstate.edu/>
- 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>

Search IOER...

Search

Browse

Education and career resources ▶

Member-created content ▶

Explore

Online libraries of curated resources ▶

Learning Lists of lessons, activities, and curricula ▶

Share

Open your own online resource library ▶

Tag, upload, or create a resource ▶

Create a learning list ▶

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

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