

Curating Open Education Materials for your Students

UW – Stout E'ffordability Summit
March 27, 2019

Steve Baule, Assistant Professor, Educational Leadership, UW – Superior



Session Outcome

Participants will be able to curate OER materials using Diigo and other curatorial tools

What does OER Mean?

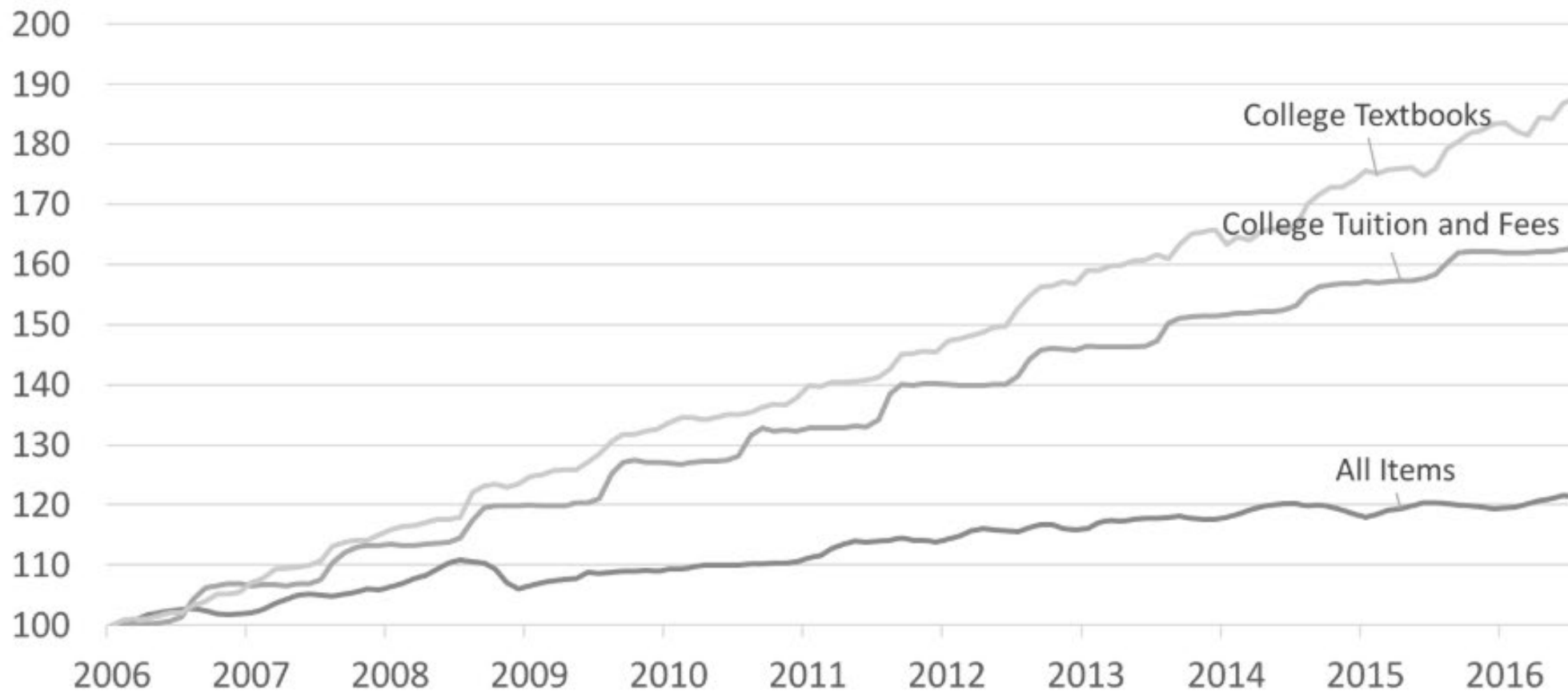
Open Educational Resources (OER)

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 increases student learning while breaking down barriers to 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

Curation Tools

Sample Curation Tools

Tool	Location
Participate (was eduClipper)	https://www.participate.com/what-we-do
Diigo	https://www.diigo.com
Dropbox	https://www.dropbox.com/
Pinterest	https://www.pinterest.com/
Symbaloo	https://www.symbaloo.com/welcome
Zotero	https://www.zotero.org/

The image shows a web browser window with several tabs: "University of Wisconsin - Superior", "Dashboard", and "VitalSource: Sign In". The address bar displays "https://www.uwsuper.edu/index.cfm". The browser's toolbar includes navigation buttons, a search bar, and various extension icons. Two red circles highlight the Diigo extension (a blue 'd' icon) and the Zotero extension (a blue document icon). Red arrows point from the text labels "Diigo Extension" and "Zotero Extension" to these respective icons. The website header features the University of Wisconsin Superior logo and a search icon. The main content area shows a photograph of a person in a white protective suit holding a wooden frame, with many bees flying around them.

University of Wisconsin - Superior

Diigo Extension

Zotero Extension



Search

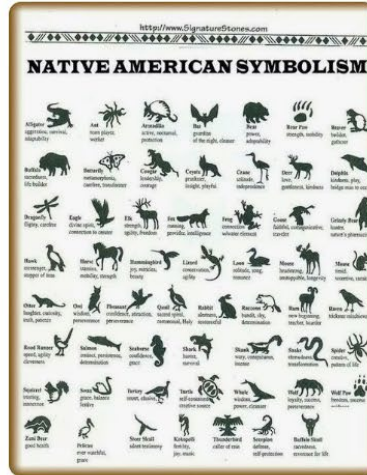
Home

Following

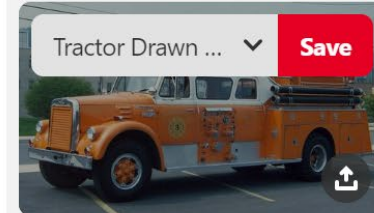
Steven



Peterbilt Contract Fire Truck COE - 1956 by MR38



Native American Symbolism



I want one so bad!



Pinterest

Edit this Pin



Board

interesting images



Section

Search

Create

Description

American LaFrance

Books, reading lists, etc.

Dubuque

Educational Thoughts

Fantasy



Fire



Delete

Cancel

Save

Diigo



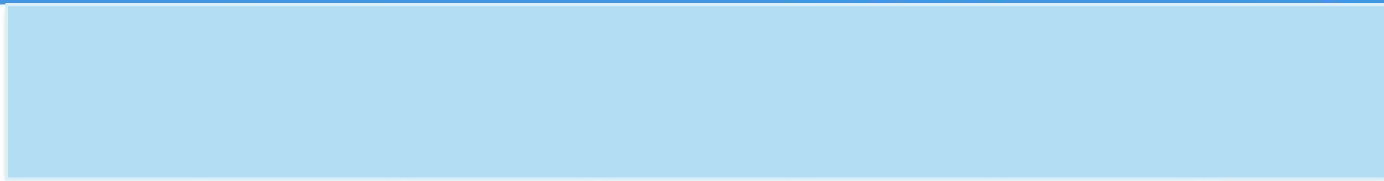
- Pronounced Dee'go
- An abbreviation for *Digest of Internet Information, Groups and Other stuff.*



My Library

Search...

Collapse All Bulk Edit



- All
- Annotated
- Unread
- More

The Orange Grove

www.floridashines.org + tag

in Outliner: OER Materials

15 minutes ago

MERLOT

www.merlot.org + tag

in Outliner: OER Materials

16 minutes ago

Tags Top

Download Update (Windows Driver Update)

My Outliners



[My Library](#)

[My Outliners](#)

[My Groups](#)

[Tools](#)

[Upgrade](#)


















smbaule ▾

My Outliners



Search Outliner...



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, the Diigo logo is on the left, and navigation links for 'My Library', 'My Outliners', 'My Groups', and 'Tools' are in the center. On the right, there is an 'Upgrade' button and a user profile for 'smbaule'. Below the navigation bar, the page title 'My Groups' is displayed. A left-hand sidebar contains a list of categories, with 'Schools & Education' selected and highlighted in blue. The main content area is titled 'Browse Groups By Category: Schools & Education (totally 2319)'. Below this title, a breadcrumb trail reads 'You are here: Diigo Home > Groups > Schools & Education'. Three group cards are visible: 'Literacy with ICT' (last active about 4 hours ago, 23096 visits, 39903 items, 2168 members), 'Ed Tech Crew' (last active on 2019-01-06, 7579 visits, 6103 items, 1205 members), and 'Classroom 2.0' (last active on 2019-01-10, 48314 visits, 7900 items, 7733 members). 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



- 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_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	

Exported Outliner Options

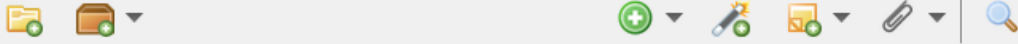
OER Materials

- [Amazon.com: Statistics Course Pack Set 1 Op: Statistics in Plain English, Fourth Edition \(Volume 1\) \(9781138838345\): Timothy C. Urdan: Books](#)
- [Texts and Images on major Greek and Roman figures of mythology](#)
- [Unequal School Funding in the United States - Educational Leadership](#)
- [OER Research Toolkit – Open Education Group](#)
- [Survey Questions \(Shared File\) - Google Sheets](#)
- " "
- OER Definitions
- [What is OER? - Creative Commons](#)
- [OER Definitions Penn State](#)
- [Defining OER | Understanding OER OER Services](#)
-

Formatted Plain text

Press Ctrl/Command + C to copy your list.

2



All Fields & Tags

- My Library
 - Evaluating_Technology
 - My Publications
 - Duplicate Items
 - Unfiled Items
 - Trash

Title	Creator	
▼ Educational Technology: A Review of the Integ...	Delgado et al.	•
📄 Delgado et al. - 2015 - Educational Technol...		•
> 📄 Evaluating the Impact of Educational Technolo...	Bull et al.	•
▼ 📄 Evaluating the impact of technology: The less s...	Johnson	•
📄 Journey		•
📄 Evaluation of Mobile Learning: Current Resear...	Levene and Seabury	
> 📄 Methods of Evaluating Educational Technology	Heinecke and Blasi	
> 📄 Steps to Evaluate the Value of Educational Tec...		•
> 📄 Why do assessment? What is the pay-off?	McKenzie	•

Delgado et al. - 2015 - Educational Technology A Review of the Integratio.pdf

<http://jite.informingscience.org/documents/Vol14/JITEv1...>

Filename: Delgado et al. - 2015 - Educational Technology...

Accessed: 3/18/2019, 1:16:42 PM

Pages: 20

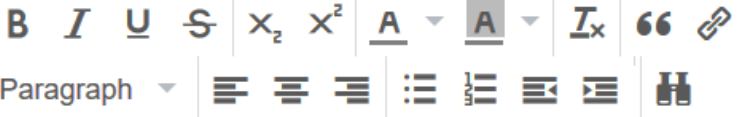
Modified: 3/18/2019, 1:16:45 PM

Indexed: Yes

Related: [click here]

Tags: [click here]

Education / Administration / General
 evaluation instructional design mlearning
 mobile learning





▼ All Fields & Tags



Title	Creator	
▼ Educational Technology: A Review of the Integ...	Delgado et al.	•
PDF Delgado et al. - 2015 - Educational Technol...		•
> Evaluating the Impact of Educational Technolo...	Bull et al.	•
▼ Evaluating the impact of technology: The less s...	Johnson	•
PDF Journey		•
PDF Evaluation of Mobile Learning: Current Resear...	Levene and Seabury	
> PDF Methods of Evaluating Educational Technology	Heinecke and Blasi	
> PDF Steps to Evaluate the Value of Educational Tec...		•
> PDF Why do assessment? What is the pay-off?	McKenzie	•

Info Notes Tags Related

Item Type Journal Article
Title Evaluating the impact of technology: The less simple answer.
▼ Author Johnson, Doug

Abstract

Publication FNO.org
Volume 5
Issue 5
Pages
Date Jan/Feb 1996

Symbaloo

The screenshot displays the Symbaloo dashboard interface. At the top, the Symbaloo logo is on the left, followed by the text "Symbaloo PRO, free for educators! Learn more here." To the right of the logo are three icons: a pencil for "Options", a trash can for "Remove", and a share icon for "Share". On the far right of the top bar are icons for search, a notification bell with a "2" badge, a user profile, and a home icon.

Below the top bar is a navigation menu with tabs for "Home", "Education", "EDU Games", and a "+" icon. The main content area features a light blue background with a subtle snowflake pattern. It is organized into several sections:

- Left Column (Blue Tiles):** A vertical stack of tiles including "Google", "Symbaloo Tour" (with a compass icon), "Set as homepage!" (with a laptop icon), "Symbaloo Webinars" (with a Wi-Fi icon), "Symbaloo Features" (with a lightbulb icon), "Symbaloo Introduction" (with a document icon), "Learning Paths" (with an owl icon), "Symbaloo Certification" (with a graduation cap icon), and "Symbaloo Quickstart" (with a keyboard icon).
- Center-Right (Orange Tiles):** A 2x2 grid of tiles for "Expedia", "tripadvisor", "Booking.com", and "priceline".
- Right Column (White Tiles):** A vertical stack of tiles including "amazon", "YouTube", "GoDaddy.com", "Walmart", "TARGET", "Zappos", "woot!", "wayfair Sale!", and "Education Webmix" (with a document icon).
- Center (Search):** A search bar containing the text "educational leadership" and a search icon. Below the search bar are icons for "The web", "Images", "Maps", "Tiles", "Webmixes", and "News". Below these icons is the text "enhanced by Google".
- Bottom-Left (Purple Tiles):** A 2x3 grid of tiles for "Gmail", "Google Classroom", "Education Webmixes", "Search Engines", and "EDU News".
- Bottom-Center (White Tiles):** A 2x2 grid of tiles for "Clever", "schoolology", "IXL", and "ZEARN".
- Bottom-Right (Teal Tiles):** A 2x3 grid of tiles for "PBS Kids", "Brain POP", "Kahoot!", "ABOYA.com", "prodigy", and "Starfall".

Final OER Materials List for Students

School Human Resources 810 Resource Materials

Module 1

Dias, L. P. (2012). Beginning human resources management! [Unnamed publishing project.] Available at <https://2012books.lardbucket.org/books/beginning-management-of-human-resources/>.

Bunhaar, P. (2017). How can schools and teachers benefit from human resources management? Conceptualising [sic] HRM from content and process perspectives. *Educational Management Administration & Leadership*, 45(4), 639–656. <https://doi.org/10.1177/1741143215623786>

Supplemental Materials

Summit Professional Development <https://www.gettingsmart.com/2011/06/diane-travener-on-the-summit-prep-teacher-development-system/>

Human resources management: staffing your school. (2019). Center for School Change. Retrieved from <https://centerforschoolchange.org/publications/minnesota-charter-school-handbook/human-resources-management-staffing-your-school/>

Module 2

Campman, M. (2014 July 6). Cohort survival calculations for enrollment projections. <https://www.youtube.com/watch?v=C-SA9zwe2xc>

Department of Education. (2018 August). School workforce planning. Retrieved from

When using OERs in course development

- Link to the original URL (through your library when possible), but keep a backup in case the original site goes dark
- Email a link to materials for students so they don't have to search for items
- Provide a entire course listing of OER materials, just like you would a list of traditional texts and resources (example on previous slide)
- Double check your materials each time the course repeats and look to find newer and/or better materials
- Include a question about the effectiveness of the OER materials in the course evaluations
- Share materials you develop for the course with OER repositories

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>

