

How can digital education shape the academy to include the student voice in knowledge creation?

Broadening Participation with Open Tools

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Agenda

9:00 - 10:00	Exploring equitable access to learning
10:15 - 10:40	World-wide context for Open
10:40-11:20	Making Open our own
11:20-11:30	Planning for the afternoon
11:30 - 13:00	Lunch
13:00	Session 2 field trip

Pressbooks accounts

Please send to erin.k.meger@ryerson.ca

First Name, Last Name, email address

Share with us

1. Calculate how much money you spent on textbooks for your university education so far.
2. What barriers to education have you seen or experienced?

Open - Word Wide

SUSTAINABLE DEVELOPMENT GOAL 4

Ensure inclusive and equitable quality
education and promote lifelong learning



Basic Education

Estimated 617 million children and adolescents of school age

- 50% not achieving minimum proficiency levels in reading and math
- $\frac{2}{3}$ attending school and not learning or are dropping out
- 750 million adults remain illiterate in 2016
- 66% are women



United Nations
Educational, Scientific and
Cultural Organization

UNESCO believes that universal access to high quality education contributes peace, sustainable social and economic development, and intercultural dialogue. OER provides a strategic opportunity to improve the quality of education as well as improve policy dialogue, knowledge-sharing and capacity-building.



United Nations
Educational, Scientific and
Cultural Organization

2017 Ljubljana OER Action Plan

Toward the realization of inclusive Knowledge Societies, Open Educational Resources (OER) support quality education that is equitable, inclusive, open and participatory. OER are 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.

https://en.unesco.org/sites/default/files/ljubljana_oer_action_plan_2017.pdf



THE CAPE TOWN OPEN EDUCATION DECLARATION

We are on the cusp of a global revolution in teaching and learning. Educators worldwide are developing a vast pool of educational resources on the Internet, open and free for all to use. These educators are creating a world where each and every person on earth can access and contribute to the sum of all human knowledge. They are also planting the seeds of a new pedagogy where educators and learners create, shape and evolve knowledge together, deepening their skills and understanding as they go.

<https://www.capetowndeclaration.org/read-the-declaration>

dialogue learning understanding adaptation free
educators
Societies permits economic research sustainable
quality education knowledge-sharing shape believes go creating all Resources
domain UNESCO new equitable contributes skills any
deepening vast provides policy others otherwise development
public strategic seeds universal intercultural cusp every
support reside Internet materials pool
released Toward each earth medium
access person inclusive sum no-cost digital realization
worldwide limited opportunity license restrictions create together
use planting revolution participatory under world
human social
teaching peace high Educational well redistribution contribute
global improve developing evolve
pedagogy capacity-building learners
knowledge

Search the OER World Map

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0

Entries per Country

1139



<https://oerworldmap.org/resource/?map=2.80338,42.28481,0>

What makes Open open?

The Five R's of Open

1. **Retain** - the right to make, own, and control copies of the content (e.g., download, duplicate, store, and manage)
2. **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)
3. **Revise** - the right to adapt, adjust, modify, or alter the content itself (e.g., translate the content into another language)
4. **Remix** - the right to combine the original or revised content with other material to create something new (e.g., incorporate the content into a mashup)
5. **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)

OER

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.” Open Educational Resources, **The William and Flora Hewlett Foundation**

- Courses
- Modules
- Textbooks
- Multimedia
- Assessments
- Supplementary material

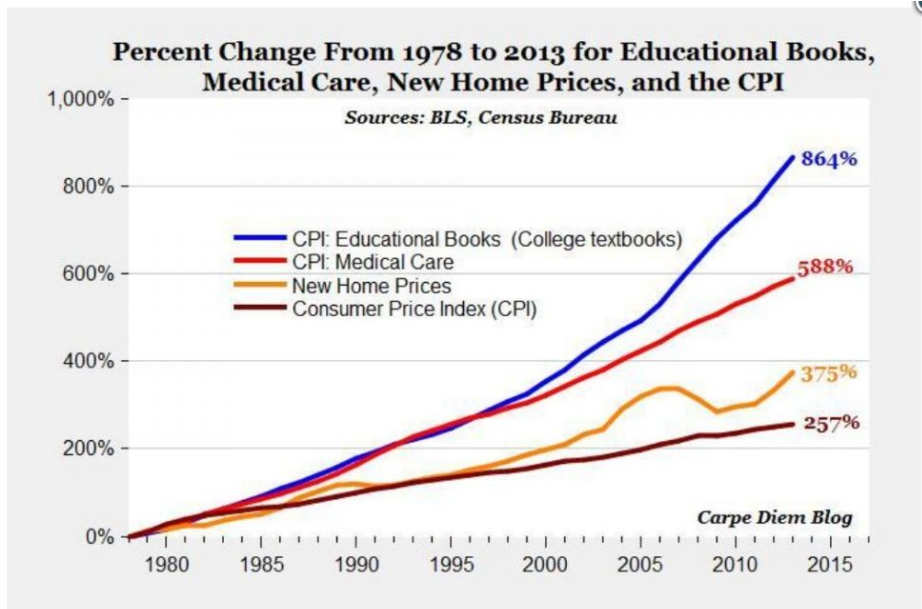
The engine driving Open

<https://creativecommons.org/>



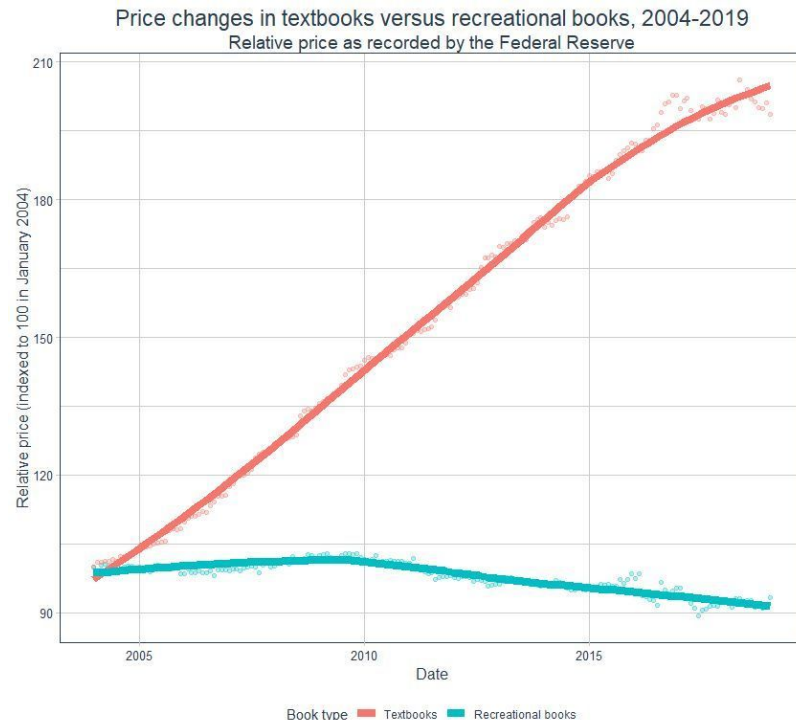
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The access *problem*



Mark J Perry via Twitter

Source: Mark J. Perry, Carpe Diem blog,
American Enterprise Institute



Created by TrueBirch using data from fred.stouisfed.org

Aarthi Swaminatham, Yahoo Finance, May, 2019
<https://finance.yahoo.com/news/textbooks-college-deal-165350614.html>

Open Education at BCcampus

At BCcampus, we're using open technologies to facilitate, evaluate, and create open educational resources to share across the province and around the world; saving millions of student-dollars through hundreds of open textbooks adopted in thousands of classrooms:



40

Institutions



592

Faculty



126,186

Students



\$11,898,747 - \$12,641,621

Savings

<https://textbooks.opensuny.org/>

<https://open.bccampus.ca/>

See the Impact



\$15,800,000

Student Savings



153,313

Student Enrollments

Open Access Environment

“A collection of practices that utilize online technology to freely share knowledge” – UBC

- Open access journals (DOAJ)
- Open data (Toronto Open Data)
- Open source software (Firefox, Wordpress)
- Open educational resources (OER Commons)
- Open textbooks (BC Open Ed, Open Stax)

What does it look like

Africa: <https://www.eifl.net/>

Canada: <https://openlibrary.ecampusontario.ca/> ;
<https://open.bccampus.ca/browse-our-collection/find-open-textbooks/>

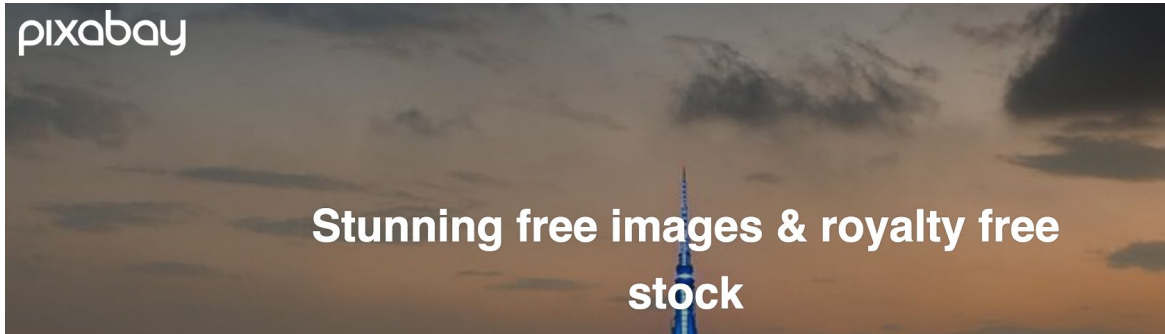
United States: <https://oer.suny.edu/>;
<https://ocw.mit.edu/index.htm>; <http://oercommons.org>;
<http://lumenlearning.com>

Find a resource

Text and OER (Federated search)



<https://oasis.geneseo.edu/>



<http://pixabay.com>