

# Open Education

---

Will Cross

Delaware Valley Chapter of ACRL

April 26, 2019

# Agenda

A broken model for education

Defining open education

Open education in action

Library support for open education

Exercise: finding partners



**What's the most  
you've ever spent on  
a textbook?**

“Books” By Free Photos.  
Licensed CC0



**What's the best  
textbook you have  
ever used?**

“Books” By Free Photos.  
Licensed CC0



**Were they the  
same book?**

“Books” By Free Photos.  
Licensed CC0

# A Broken Marketplace for Textbooks

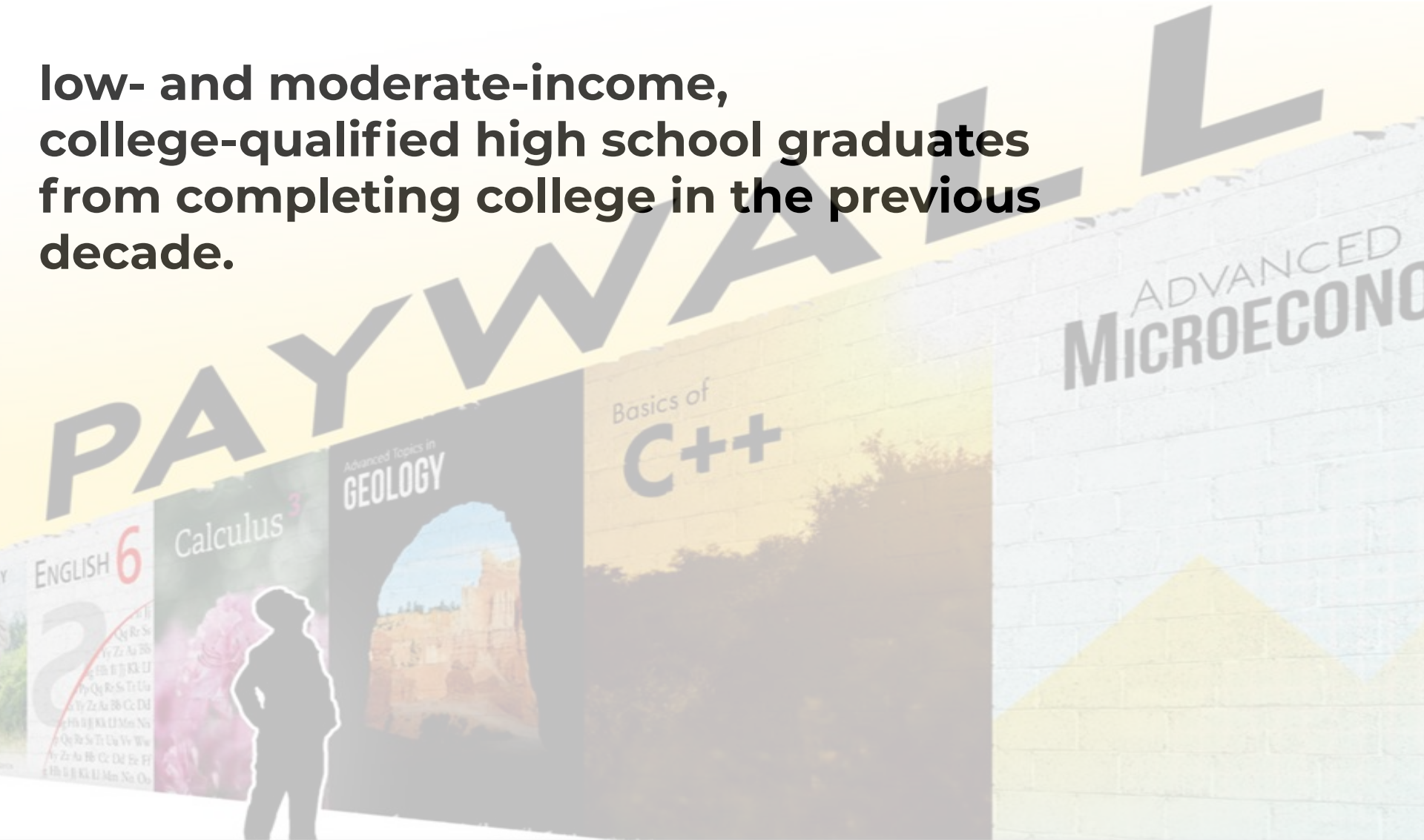


*“Students as captives,  
not consumers”*

The cost barrier kept

**2.4 million**

low- and moderate-income,  
college-qualified high school graduates  
from completing college in the previous  
decade.



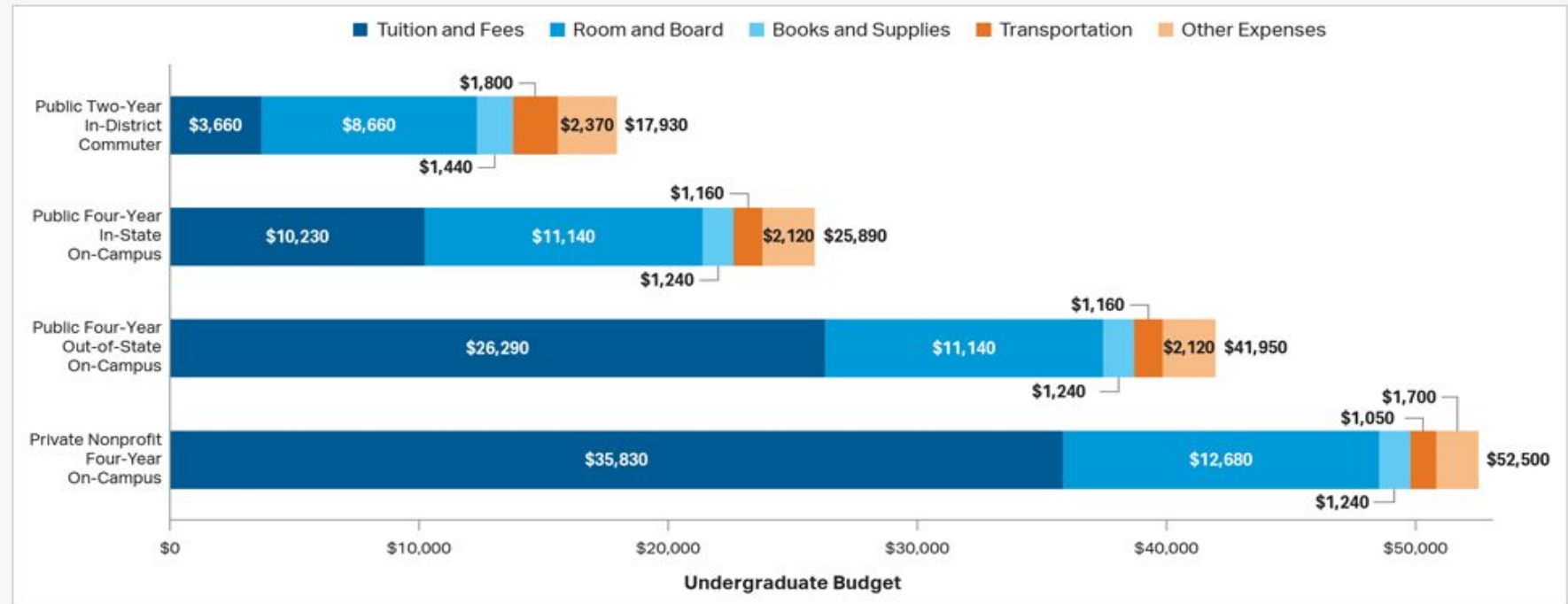
# Average Estimated Undergraduate Budgets, 2018-19

Tuition and fees constitute 40% of the total budget for in-state students living on campus at public four-year institutions and 20% of the budget for public two-year college students who pay for off-campus housing.

Figure 1: Average Estimated Full-Time Undergraduate Budgets (Enrollment-Weighted) by Sector, 2018-19

[Download Data in Excel](#)

[See Key Points](#) | [See Also Important](#)





# It's Hard to Study if You're Hungry



Sara Goldrick-Rab  
ON CAMPUS JAN. 14, 2018



Minju Sun

Last fall, students at two of the nation's premier historically black colleges, Spelman and Morehouse, [went on a hunger strike](#). They weren't protesting policymakers in Washington. They were pressuring their schools to allow students to donate unused meal plan vouchers to those on campus who needed them.

These students recognized a real problem, one that plagues all sorts of colleges and universities, especially the community colleges and state schools that most Americans attend.

In your academic career, has the cost of required textbooks caused you to:

2012	2016	
63.6%	66.5%	Not purchase the required textbook
49.2%	47.6%	Take fewer courses
45.1%	45.5%	Not register for a specific course
33.9%	37.6%	Earn a poor grade
26.7%	26.1%	Drop a course
17.0%	19.8%	Fail a course

## The Impact of Open Educational Resources on Various Student Success Metrics

Nicholas B. Colvard  
*University of Georgia*

C. Edward Watson  
*Association of American  
Colleges and Universities*

Hyojin Park  
*Ewha Womans University*

There are multiple indicators which suggest that completion, quality, and affordability are the three greatest challenges for higher education today in terms of students, student learning, and student success. Many colleges, universities, and state systems are seeking to adopt a portfolio of solutions that address these challenges. This article reports the results of a large-scale study (21,822 students) regarding the impact of course-level faculty adoption of Open Educational Resources (OER). Results indicate that OER adoption does much more than simply save students money and address student debt concerns. OER improve end-of-course grades and decrease DFW (D, F, and Withdrawal letter grades) rates for all students. They also improve course grades at greater rates and decrease DFW rates at greater rates for Pell recipient students, part-time students, and populations historically underserved by higher education. OER address affordability, completion, attainment gap concerns, and learning. These findings contribute to a broadening perception of the value of OERs and their relevance to the great challenges facing higher education today.

### **The Impact of Open Educational Resources on Student Success Metrics**

The Association of American Colleges and Universities (AAC&U) performed a member survey of its 1,400-member institutions in 2017 to better understand the challenges facing colleges and universities today (AAC&U, 2018). In regard to students, student learning, and student success, among the greatest challenges were issues surrounding retention and completion, the quality and assessment of student learning, and the affordability of higher education. As you survey the higher education

encouragement for institutions to disaggregate their student data to better understand disparities in student learning outcomes and degree attainment by considering socioeconomic status, as well as race and ethnicity (AAC&U, 2015; Gavin, Bolton, Fine, & Morse, 2018). In truth, the attainment gap has long been recognized, but as demographics continue to shift in the United States, it is becoming a national imperative that higher education better serve all populations.

While strategic attention is being placed on issues of retention, completion, and attainment, it is also argued that “the quality shortfall is just as urgent as the attainment shortfall” (AAC&U, 2010, p. 1), and there

The background of the slide is a blurred photograph of a graduation ceremony. Numerous graduates are visible, many of whom are holding up large, dark-colored signs with the words "DEBT-FREE" printed in white, bold, capital letters. The scene is brightly lit, suggesting an outdoor or well-lit indoor venue.

# The Average Borrowers Owes More Than

**\$30,100**

**\$36,850** across  
Pennsylvania

**EDUCATION**

# Why Students Are Still Spending So Much for College Textbooks

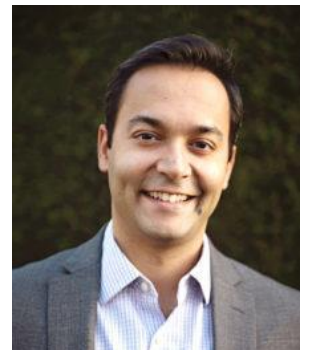
New technologies are revolutionizing education—but they're also keeping prices high.

**LAURA MCKENNA** JAN 26, 2018

---



**“Inclusive access is like  
leasing fire extinguishers  
from an arsonist”**



Dr. Rajiv Jhangiani

**“To what degree might ‘Open’  
mean the ability to be free from  
surveillance, extraction, and  
monetization of data?”**



Dr. Chris Gilliard

# Open Education



*“Open educational resources are teaching and learning materials that are freely available online for everyone to use, whether you are an instructor, student or self-learner.”*



**OER = Free +  
Permission**

# Open-Enabled Pedagogy

Retain

- Make and own a copy

Reuse

- Use in a wide range of ways

Revise

- Adapt, modify, and improve

Remix

- Combine two or more

Redistribute

- Share with others



Attribution



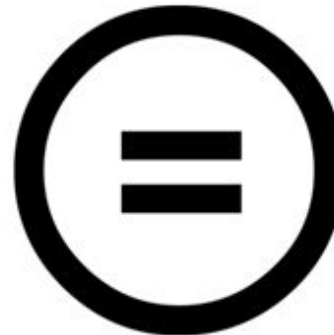
**Compulsory** - Must always **credit** me.

Noncommercial



Use it but don't make **money**

Non- Derivatives



Your version must **equal** mine - no changes

Share alike



If I allow you to change it, **repeat** my CC **licence**

# Open Textbooks

*Traditional textbooks with  
lessons, exercises, and  
reference materials*



# Open Learning Materials

*Modular resources ranging  
from single exercises to lesson  
plans or digital tools*



# Open Courses

*Entire courses with  
progressive instruction in a  
unified topic*



Z-DEGREE





### Advanced Search



Textbooks



Courses



Course Materials



Interactive Simulations



Public Domain Books



Audiobooks



Modules



Open Access Books

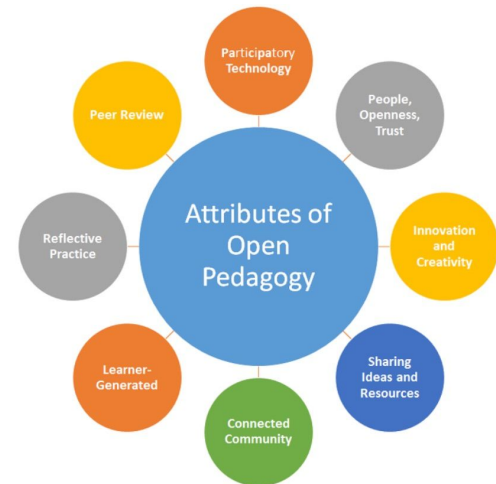


Videos

[More Source Types](#)

# Open Pedagogy

*Course design and assignments that empower students and engage with communities beyond the classroom*







### Collaborative Syllabus Design: Students at the Center

"Democratically co-creating learning outcomes with students, based on their goals for the class, situates them at the center of your pedagogy." - Christine Katagadis | [View this example](#)

[Continue Reading](#) →

#### WELCOME TO THE OPEN PEDAGOGY NOTEBOOK

This website is designed to serve as a resource for educators interested in learning more about Open Pedagogy.

We invite you to browse through the [examples](#), which include both classroom-tested practices and budding ideas, and to consider contributing examples of your own experiments with open pedagogy.

This Notebook builds on the work of a great open colleague Terry Greene and The Open Faculty Patchbook, which exists in both [website](#) and [book](#) form.



#### Open Pedagogy

What is "open pedagogy"? Robin DeRosa and Rajiv Jhangrani have offered a helpful frame for anyone interested in engaging the ongoing conversations around this term.

[READ MORE](#)



#### Examples

Are you an educator looking to engage more deeply with "open pedagogy" in your own practice? Find classroom-tested practices and budding ideas [here](#).

[BROWSE EXAMPLES](#)



#### Submit an Idea

Would love to hear about your ideas for implementing or experimenting with open pedagogy. We will review and post your contributions (with attribution) to the site.

[CONTRIBUTE](#)

# Advantages to Open Education

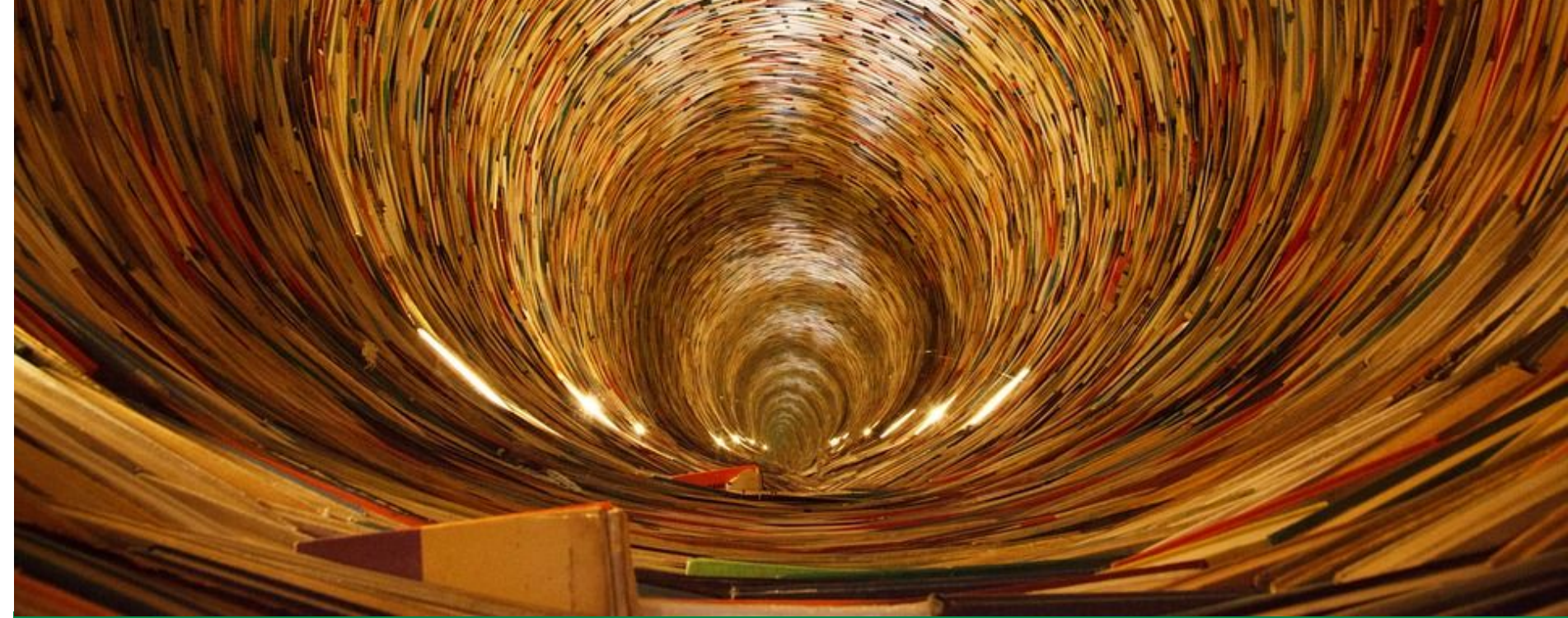
- Cost Savings for Students
- Retention
- Flexibility for Instructors
- New Voices New Departments
- And . . .

# Barriers to Adoption



# Barriers to Adoption

- Lack of knowledge
- Lack of trust
- Too much work
- No OER that fit
- And . . .



# Library Support for Open Education

**Stakeholders**



# Stakeholders

- Instructors
- Instructional designers
- Center for Teaching & Learning
- Bookstore
- Administration
- Students and student government



# Working with Instructors



# Working With Instructors To **Adopt** an Open Educational Resource



- Know the resources
- Identify and evaluate texts and supplemental materials
- Create a course guide for the course, linking to the different OER that is used

# Working With Instructors To **Create** an Open Educational Resource



- Know the resources
- Educate instructors on copyright and licensing
- Support sharing with an IR or library publishing apparatus

# Mini-Grant Programs



- Encourage adoption
- Support development
- Incentivize participation through reviews, publicity, etc.
- Many models: Temple, UMass-Amherst, NC State

[Alt-Textbook Project](#)

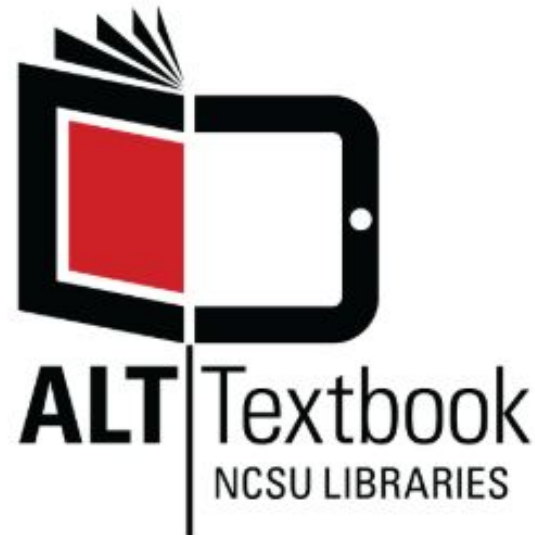
[Apply for Student Success Grant](#)

[Apply for Open Pedagogy Grant](#)

[Projects](#)

[Faculty Guide to Open Education Resources](#)

# Alt-Textbook Project



The NCSU Libraries is committed to fostering change in the current textbook publishing environment. The Libraries' [Copyright and Digital Scholarship Center](#) is available to partner with faculty members on licensing resources, using digital repositories, and creating and publishing their own open educational resources. The Alt-Textbook Project empowers faculty to innovate pedagogically, enhance access for NC State students to high-quality, tailored educational materials, and reduce the financial burden of expensive textbooks.

## The Problem with Textbooks

- Runaway textbook costs on college campuses have become a major impediment to student success.
- Textbook costs have outpaced inflation by 300% over the last 30 years.
- Students spend an average of \$1,200 per year on textbooks.
- 7 out of 10 students have forgone purchasing college textbooks because of cost, according to a recent PIRG survey on 13 college campuses.

## Open Educational Resources: A Solution

are here: [Home](#) / [Affordable Course Transformation- ACT@PSU](#)

# Affordable Course Transformation- ACT@PSU

## Introduction

Affordable Course Transformation, ACT, is a grant-based, affordable course transformation program for faculty teaching at all Penn State locations who want to transform a course to displace high cost published materials. Teaching and Learning with Technology Innovation and University libraries will work with faculty to replace high cost course materials with pedagogically sound open and affordable (under \$50.00) content. Faculty will receive

# Exercise: *Engaging with Faculty Instructors*



*At your table, discuss how an OER program could:*

- *Get instructors' attention*
- *Engage them with OER*
- *Support adoption*
- *Support adapting and creating OER*



# Working with Students

# Working With Students to Increase Student Success



- Identify supplemental open materials
- Textbook lending
- Free and reduced cost materials

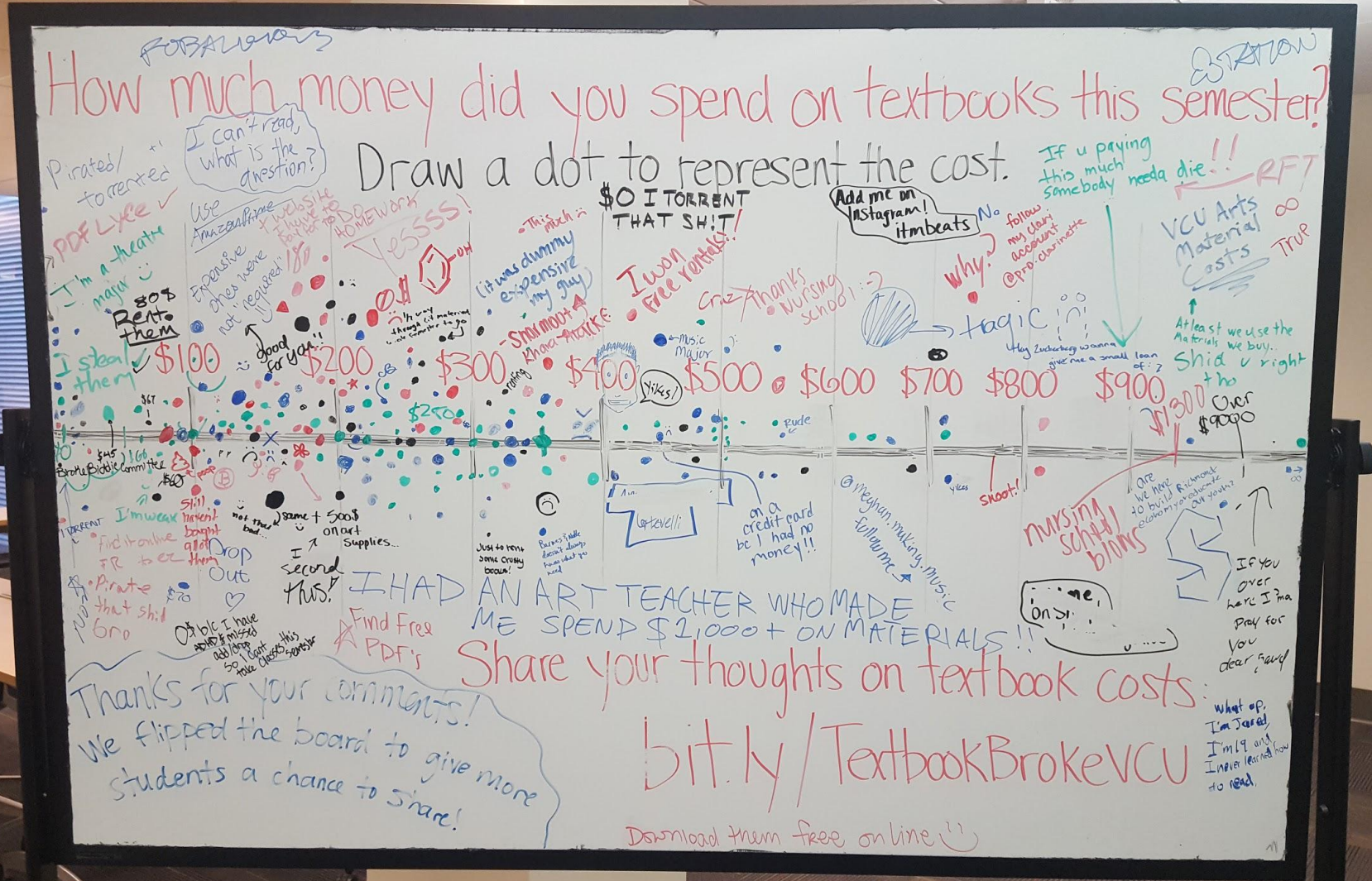


# Working With Students to Advocate for Open Education



- Work with student government
- Tell students' stories
- Connect them with other campuses through #TextbookBroke

# Let Your Students Tell Their Own Stories



## Guide to Open, Free, & Affordable Course Materials: Home

This guide assists faculty and students in finding open or free-to-students materials online or through the library to reduce student course content expenses.

Home

eTextbooks

eBooks

eJournals & Databases

Other Resources & Guides

What is this guide?



# Affordability



### Get Involved

As a part of the Open at Scale – Business OER project, we are looking for faculty interested in adopting the following Open Educational Resources into their courses for the Fall 2019 semester:

- [Fundamentals of Business: Canadian Edition](#) into Business Fundamentals / Intro to Business courses; and
- [Communication for Business Professionals](#) into Business Communication / Professional Writing courses.

With the spring course preparation period approaching for the Fall 2019 semester, this is the perfect time to get engaged in this project! eCampusOntario is here to help.

---

### Where did these open textbooks come from?

In March 2018, seven business faculty from three different colleges – Conestoga, Fanshawe, and Lambton – worked together with eCampusOntario Program Managers to adapt and Canadianize existing textbooks in business fundamentals and business communications. These textbooks have now been successfully adopted by Business faculty across Ontario, BC, and beyond.

---

### Why participate?

With textbooks costs increasing by 129% over the past 15 years (nearly 4 times inflation) and an Ontario business program textbook and supply cost for first-year students being \$1141.82 in 2018/2019, it is now a more important time than ever to support students with free, high-quality open resources. Over the next two years, the Open at Scale – Business OER project is working towards saving Ontario students \$3 million dollars.

# Customize for local context

## Student Perspectives on OER

Affordable Learning Georgia interviewed three students at UGA who had used an open textbook in their courses. Here's what they had to share about textbooks in general, open textbooks, and the power of OER.

[View Video](#)



GALILEO Open Learning Materials



Statistics, Research, and Reports



Textbook Transformation Grants

### Featured Resource



### Recent Newsletters

- 02/11/2019 - Congratulations to our Round Thirteen Awardees!
- 02/04/2019 - New Open Textbook from the UNG Press!
- 01/28/2019 - Announcing Textbook

### Calls and Opportunities

- Textbook Transformation Grants Round 14: Applications Due April 8, 2019

# Publishing



# Working with Peers Beyond Campus

# Community Efforts

- Collaborate with peers
- Work at the system or consortium level
- Develop economies of scale
- Share stories to model good behavior



*Delaware Valley*  
ACRL Chapter

[Home](#)

[About](#) ▾

[Events](#)

[Membership & Benefits](#) ▾

[Volunteering Opportunities](#) ▾

[Blog](#)





# National Efforts

- Department of Education Requirements
- Franken-Durbin Bills
- National Advocacy

# Congress Renews \$5 Million Open Textbook Pilot For Second Year

Open Education

By Nicole Allen



## Appropriations Package Renews and Strengthens Federal OER Grant Program

SHARE



Today, the U.S. Congress reaffirmed the national role of “open” in the path to college affordability by renewing the \$5 million federal Open Textbook Pilot for another year. Contained in the broader [Department of Defense and Labor, Health and Human Services, and Education Appropriations Act of 2019](#), the program answers a call from students across the country to tackle textbook costs as a



# Open Textbook Network

[HOME](#)[ABOUT US](#)[IMPACT & BENEFITS](#)[MEMBERSHIP ▾](#)[NEWS](#)

## About Us

The Open Textbook Network (OTN) helps higher education institutions and systems advance the use of open textbooks and practices on their campuses.

We maintain the [Open Textbook Library](#), the premiere resource for peer-reviewed academic textbooks. All of our textbooks are free, openly licensed, and complete; their adoption creates a measurable, positive impact on student success.

With our members, we move the open education conversation forward on local and national levels.

[Team](#)

[Presenters](#)

[Steering Committee](#)

[Certificate in OER Librarianship Instructors](#)

# SPARC Libraries & OER Forum

Open Education



Join our vibrant community of academic and research librarians working to advance Open Education on campus.

SHARE



The SPARC Libraries & OER Forum is a network of academic and research librarians interested in open educational resources (OER) connected through a public e-mail discussion list and monthly calls. The goals of this forum are:

- Enable librarians (and others connected to the library community) to share ideas, resources and best

# ACRL Insider

[HOME](#)[POSTS](#)[SUBSCRIBE](#)[ABOUT](#)

## Call for Curriculum Designers/Presenters Open Educational Resources and Affordability RoadShow

April 2, 2019 • Erin Nevius • Scholarly Communication, Workshops • 0



ACRL is accepting applications from prospective curriculum designers/presenters to create and deliver a new ACRL RoadShow to support librarians in finding, using, and developing open educational resources (OERs). This introductory level, day-long workshop will be intended for academic librarians and library staff integrating OERs into their institutions and developing OER initiatives.

### CATEGORIES

Select Category ▾

### RECENT POSTS

[ACRL Presents Webcast – ACRL Libraries Transform Toolkit](#)

[New From ACRL – Scholarship in the Sandbox](#)

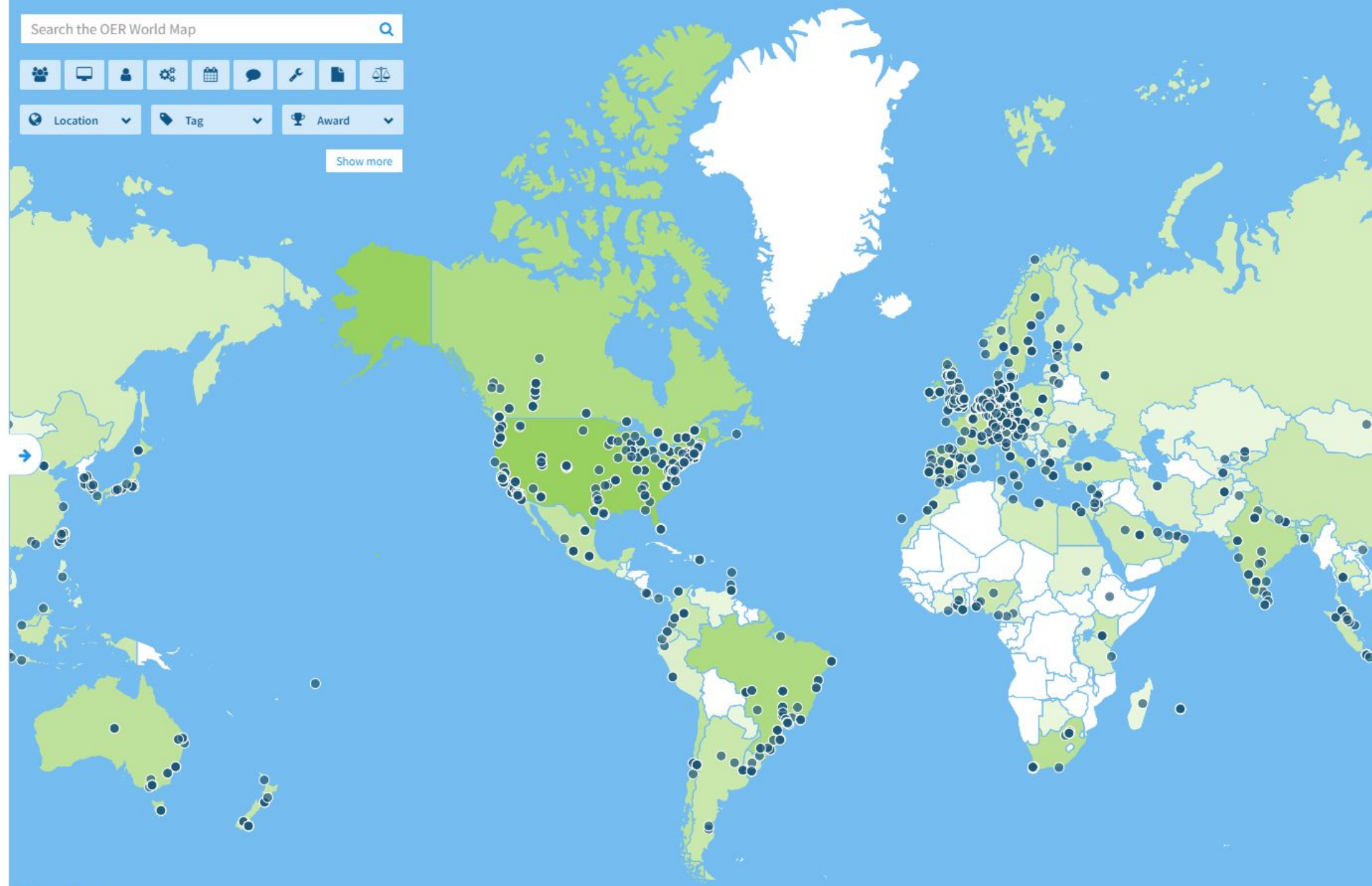
ck.net...

help learning experiences for face-to-face and online learning

# OER WORLD MAP

Search the OER World Map

Show more



# Think - Pair - Share

## *Finding Partners*



*Identify 1-3 specific partners on campus that can help with an OER program. What can they add and what gaps still need filling?*

# Questions?



All images used under a CC0 license and taken from <https://pixabay.com/>  
All Icons used under a Creative Commons License and taken from <https://thenounproject.com>