



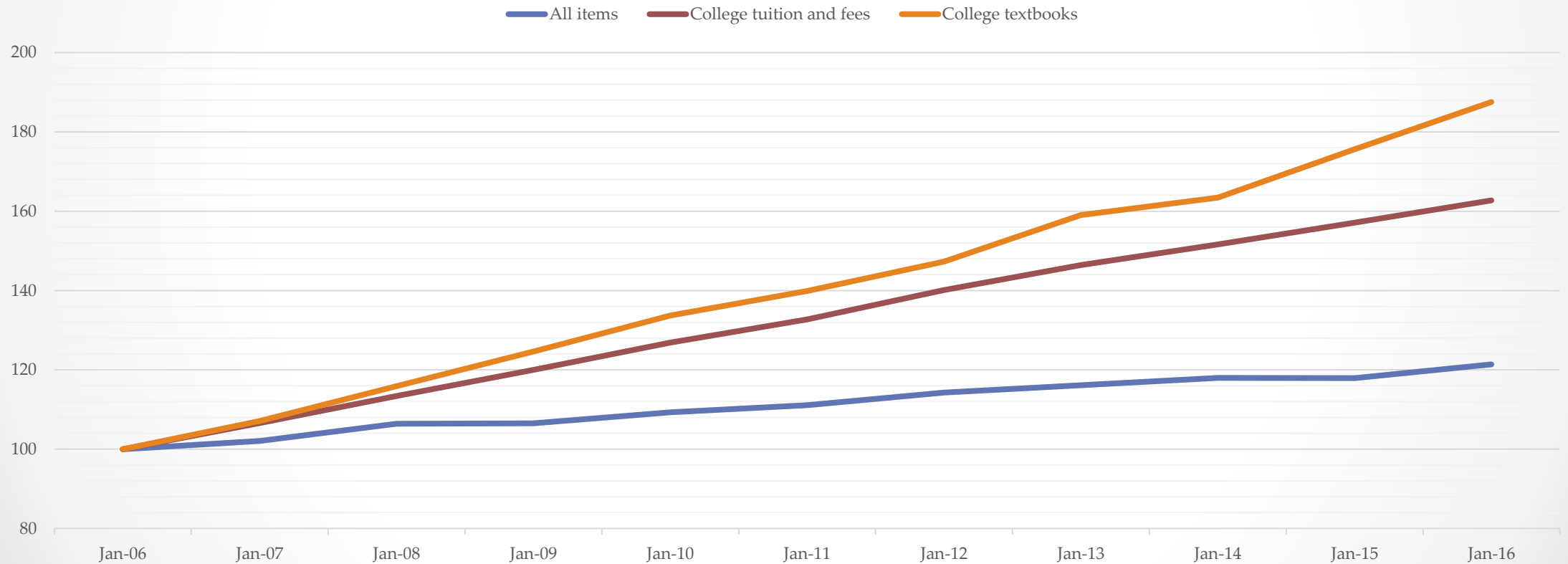
ENGAGING WITH OPEN EDUCATION RESOURCES

Jeff Newell

Deputy Director for Information Technology

TEXTBOOK COSTS

Consumer Price Index for Tuition and Textbooks



OER IS...

Open Educational Resources 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.

CCCOER/Hewlett Foundation

<https://www.cccoer.org/learn/>

OER IS...

- OER is...
 - Open = Free + Permission
- OER is not...
 - eTextbooks (from publishers or third party vendors)
 - Low-cost textbook providers
 - Open+

AFFORDABILITY

- Affordable options include...
 - OER
 - Library resources
 - Rentals
 - Low cost options

EQUITY

- Reduce cost barriers
- Access and affordability
- Ensuring high quality materials
- Accessibility

STUDENT SUCCESS

International Journal of Teaching and Learning in Higher Education
<http://www.isetl.org/ijtlhe/>

2018, Volume 30, Number 2, 262-276
ISSN 1812-9129

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.

<http://www.isetl.org/ijtlhe/pdf/IJTLHE3386.pdf>

PERKINS REAUTHORIZATION

- H.R.2353 – Strengthening Career and Technical Education for the 21st Century Act
- OER as an allowable activity to support the implementation of CTE programs.
- “making all forms of instructional content widely available, which may include use of open educational resources”

OPEN TEXTBOOK PILOT PROGRAM

U.S. Department of Education

Search...

Student LoansGrantsLaws

ARCHIVED INFORMATION

U.S. Department of Education Awards \$4.9 Million Grant to University of California, Davis to Develop Free, Open Textbooks Program

Pilot Program to Explore Development of Public Domain Texts for Chemistry, Career-Technical Education

OCTOBER 3, 2018

Contact: Press Office, (202) 401-1576, press@ed.gov

To help stem the rising cost of college textbooks, the U.S. Department of Education today announced a \$4.9 million grant to the [University of California, Davis](#) (UC Davis) to lead a pilot program to develop free, open textbooks in targeted subjects.

Under the [Open Textbooks Pilot Program](#), funded by Congress in the FY 2018 omnibus spending bill, UC Davis will head a consortium of 12 campuses that will begin by creating open textbooks focused on high-enrollment courses like chemistry, as well as career-technical education (CTE) fields. Technical textbooks are among the more expensive books that students must purchase, as they often must be updated frequently to keep pace with changing technologies.

"The cost of college textbooks has almost doubled in the past 10 years," said U.S. Secretary of Education Betsy DeVos. "This program is an important step toward reducing barriers, expanding access and increasing choice for students who want to attend college or learn a trade. I commend Senators Durbin, King, and Smith, as well as Representatives Polis and Sinema for their commitment to getting this pilot program passed through Congress, and I look forward to working together to make textbooks more easily accessible for students, professors and the public."

According to the program's July 30 [Federal Register notice](#), the cost of college textbooks jumped 88 percent between 2006 and 2016. In the 2016-17 academic year, the average college student budget for books and supplies had risen to \$1,263 for students at four-year institutions and \$1,458 at two-year schools.

Open textbooks are defined as textbooks that reside in the public domain or have been released under a license that permits their free use, reuse, modification and sharing with others.

UC Davis plans to launch its efforts by expanding the existing [LibreTexts](#) open textbook service. LibreTexts is a multi-institution venture aimed at developing the next generation of open-access texts to improve postsecondary education at all levels of higher learning.

"Our effort will build on the best practices that we established over the past decade in the development of the LibreTexts," UC Davis said in its application. "These are the same efforts that make LibreTexts the largest, highest-ranked and most-visited open educational resource (OER). To this end, we propose to expand the LibreTexts into an expansive living library of content that can be customized to faculty needs."

STATE LEGISLATURES

- Defining OER
- Grant programs
- Task Forces
- Course marking
- Require institutions to develop OER guidelines

STATE INVESTMENTS

- CUNY & SUNY - New York
 - \$8M invested to create 5,200 OER courses in 2017-2018
 - \$8M additional invested for 2019-2020
- North Dakota
 - \$107,250 invested in 2015
 - 650 OER courses developed

AFFORDABLE LEARNING GEORGIA

The screenshot shows the GALILEO Open Learning Materials website. The header features the GALILEO logo with the tagline 'Open Learning Materials' over a background of an open book. A navigation bar includes links for HOME, ABOUT, FAQ, and MY ACCOUNT. A left sidebar contains sections for Browse (By Subject, By Author, By Institution, By Material Type, By Creative Commons License), Search (with a search bar and 'Search' button), and Help (Frequently Asked Questions, About, Contact Administrator). The main content area is titled 'Browse Open Textbooks and Learning Materials' with a 'Follow' button. It lists three categories: 'Browse all USG Open Textbooks', 'Browse all ALG Grants Collections', and 'Browse all USG Ancillary Materials'. Below this is a 'Reader from:' section showing a location pin in Kireka, Wakiso, Uganda, with the title 'Human Anatomy and Physiology I' by Anthony Cooper, John Williams, Anta'sha Jones, and Kendra Merchant. A world map is displayed with a location pin in Africa. At the bottom, a 'Recent Downloads' section shows '3 of 46 in the past hour'. A table at the bottom right provides statistics: 381 Total resources, 579,073 Total Downloads, and 348,035 Downloads in the past year. There are also links for 'Embed', 'Terms of Use', and 'View Larger'.

Browse

- By Subject
- By Author
- By Institution
- By Material Type
- By Creative Commons License

Search

(e.g. ENGL 1102, Calculus I, Mathematics, Syllabus)

[Advanced Search](#)

[Notify me via email or RSS](#)

Help

- [Frequently Asked Questions](#)
- [About](#)
- [Contact Administrator](#)

Other Resources

GALILEO
Affordable Learning Georgia

Browse Open Textbooks and Learning Materials

- [Browse all USG Open Textbooks](#)
- [Browse all ALG Grants Collections](#)
- [Browse all USG Ancillary Materials](#)

Reader from: Kireka, Wakiso, Uganda

Human Anatomy and Physiology I
Anthony Cooper, John Williams, Anta'sha Jones, Kendra Merchant
Biological Sciences Grants Collections

Recent Downloads
3 of 46
in the past hour

381	579,073	348,035
Total resources	Total Downloads	Downloads in the past year

<https://oer.galileo.usg.edu/>

ACHIEVING THE DREAM

- OER Degree Initiative
 - Grants up to \$100k or \$300k with 25% match requirement
 - At least one OER degree (1 year or 2 year)
 - At least one section of course offered as OER
 - Use of Creative Commons Attribution License
- 38 colleges in 13 states participating

WHAT CAN ILLINOIS DO?

- Develop a statewide strategy with legislative & funding support
- Establish a repository strategy
- Identify OER connected to IAI courses
- Enhance CTE OER options and usage
- Develop OER-driven dual credit courses

WHAT CAN INSTITUTIONS DO?

- Develop institutional policy
- Align policy with institutional mission & strategic plan
- Include supports for sustainability
- Engage all stakeholders

<http://policy.lumenlearning.com/>

WHAT CAN INSTITUTIONS DO?

- Set institutional goals
 - High impact courses
 - Measures of success
 - Realistic timelines
 - Establish data elements
 - Develop communication strategies
 - Long-term goal(s)

WHAT CAN INSTITUTIONS DO?

- Define emphasis areas
 - High quality materials
 - Accessible materials (disabilities & online)
 - Compliance with Creative Commons licensing & Intellectual Property laws
 - Establishing the open culture (developed content openly licensed & shared)

OPEN CULTURE

- University of British Columbia
- Evidence of educational leadership is required for tenure/promotion in the Educational Leadership stream... It can include, but is not limited to...Contributions to the practice and theory of teaching and learning literature, including publications in peer-reviewed and professional journals, conference publications, book chapters, textbooks and **open education repositories/resources**.
- Kwantlen Polytechnic University
- IP Policy change includes encouragement to submit work to KPU OA repository, consider Creative Commons licensing, create & adapt OER, publish in OA outlets, and adopt open science practices.

COLLEGE OF LAKE COUNTY

- Launched 2014 college-wide initiative
- 25 active OER courses & psychology department has over 50 OER sections each semester
- Identification in course registration system of low textbook cost classes (less than \$25), inclusive of OER

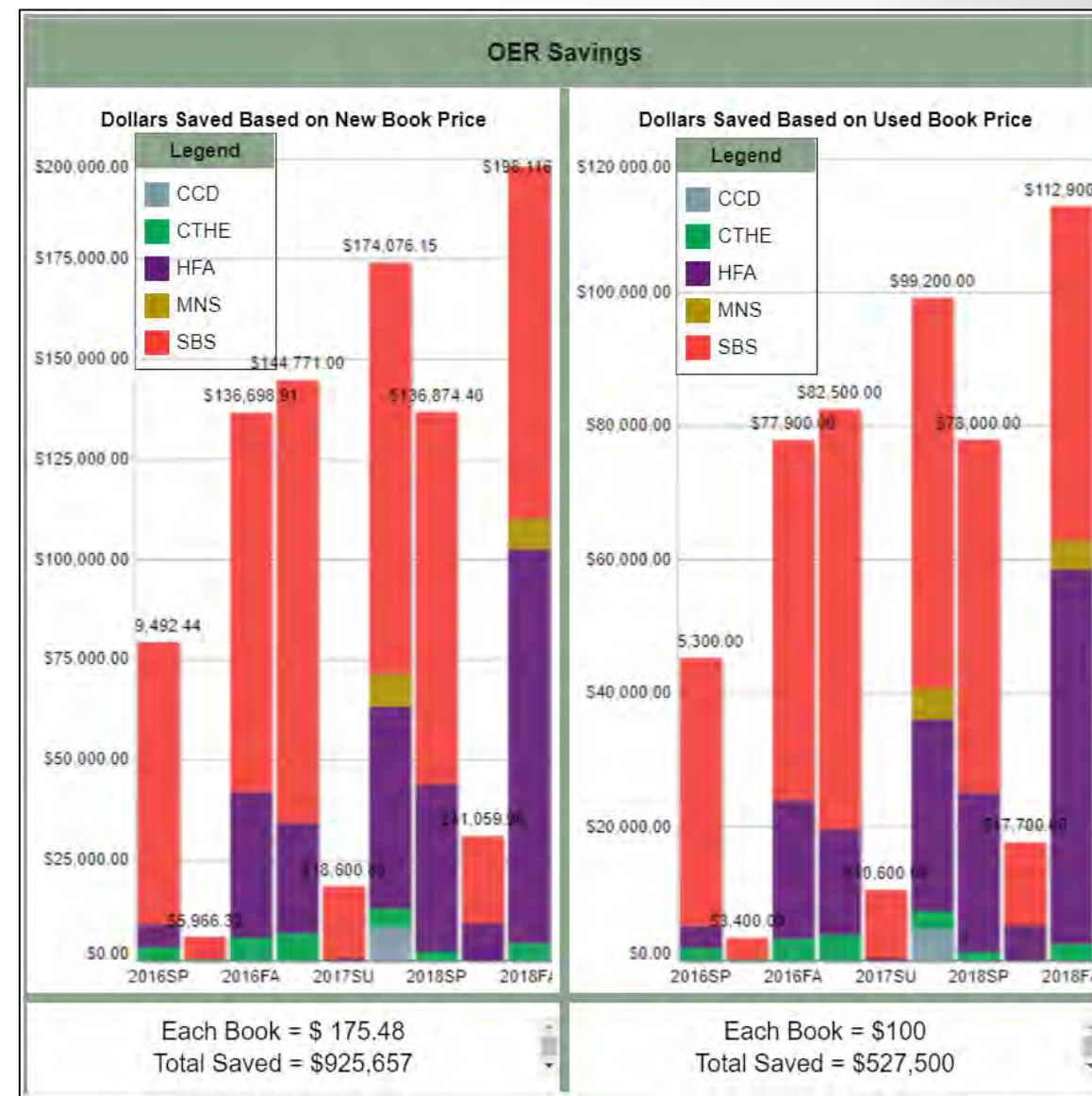
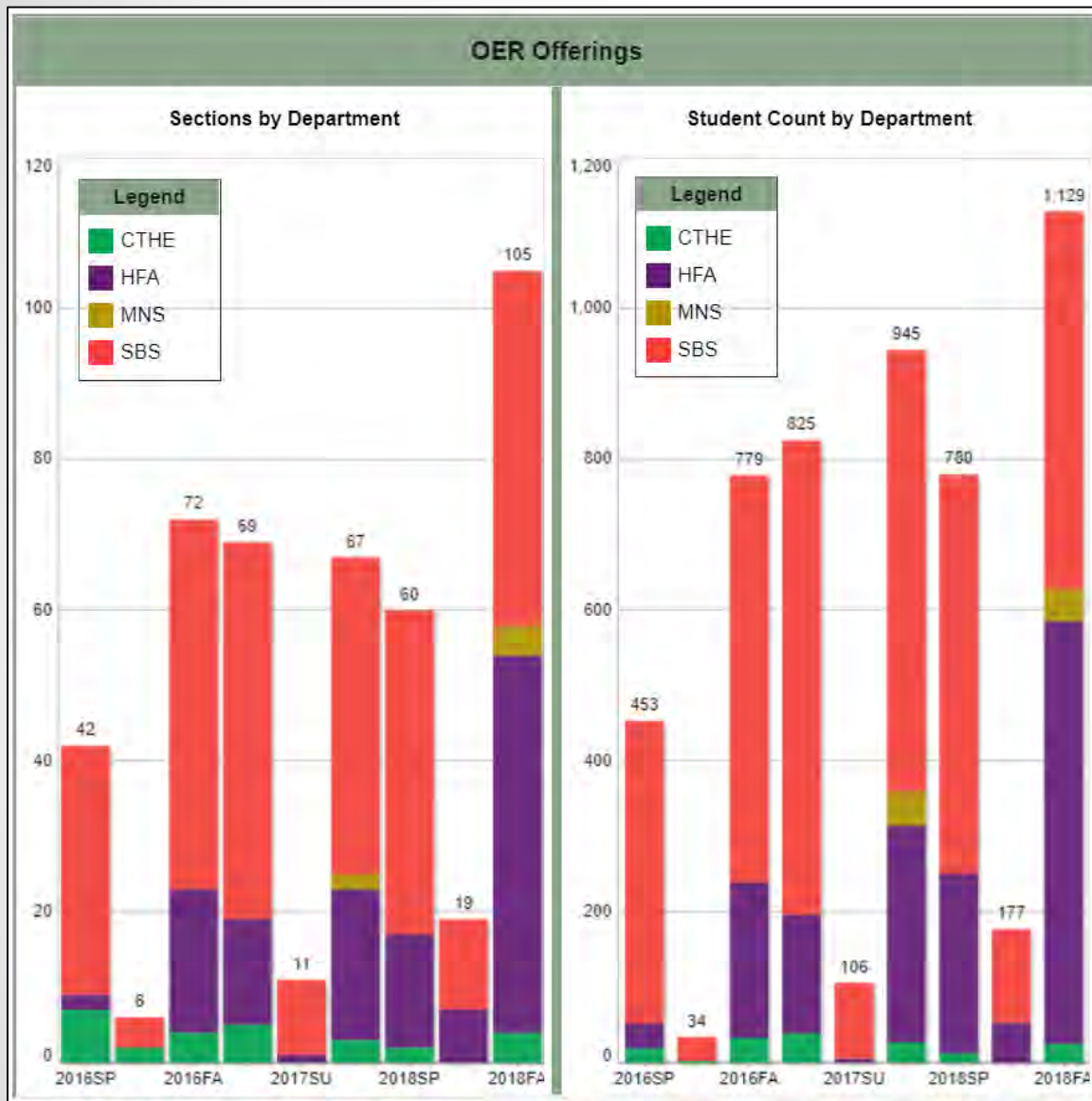
GET YOUR
TEXTBOOKS
FOR \$25 OR
LESS WITH OER



Look for the Open Educational Resources (OER) star or label when registering for classes on myCLC. The course material for these classes cost \$25 or less.

CARL SANDBURG COLLEGE

- Open Education Resource Course Initiative (OERCI)
- Purpose: support faculty in development and create student savings through reduced textbook requirements and increased textbook-free courses
- Built a faculty community, made it fun, incentivized
- Fall 2018 they had 105 OER sections and 1,129 students in OER courses.



TRITON COLLEGE

Triton celebrates \$1 million in student savings through Low Cost/No Cost Textbook initiative



Photo: Triton College faculty, staff and students gathered on Feb. 13 to celebrate the milestone of saving students \$1 million through the Low Cost/No Cost Textbook Alternatives initiativeSamantha Schmidt

Stephen Butera

Updated
2/21/2019 7:29 AM

River Grove, Ill. - Triton College marked a monumental milestone this semester, as its innovative Low Cost/No Cost Textbook Alternatives Program crossed the threshold of saving students \$1 million on textbooks and course materials.

WHERE TO START...

- Learn
- Find
- Evaluate
- Start small
- Create

ION COURSE



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Foundations in Open Educational Resources

Description

This course provides an overview and insights into the key issues of Open Educational Resources. Participants will engage with peers by exploring, evaluating, and identifying resources. The student to student and instructor to student interactions are designed to benefit the students, teaching, and leadership experiences in understanding the use of OERs.


Prerequisite: None

REGISTER NOW!

<https://www.uis.edu/ion/courses/>

THE OER STARTER KIT



IOWA STATE UNIVERSITY
Digital Press

Home Read Sign in Search in book ... 


The OER Starter Kit

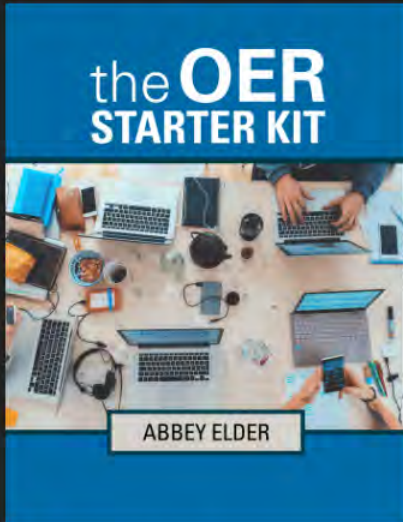
Abbey Elder


This starter kit has been created to provide instructors with an introduction to the use and creation of open educational resources (OER). The text is broken into five sections: Getting Started, Copyright, Finding OER, Teaching with OER, and Creating OER. Although some chapters contain more advanced content, the starter kit is primarily intended for users who are entirely new to Open Education. [Version 1.1. Revised September 5th, 2019.]

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READ BOOK





Download this book 


<https://iastate.pressbooks.pub/oerstarterkit/>

THE OER STARTER KIT

- See Repositories & Search Tools section, p. 35
 - Best Bets
 - Federated Search Tools
 - Institutional Collections
 - Subject Specific Repositories
 - OER by Course
 - More...

<https://iastate.pressbooks.pub/oerstarterkit/>

SKILLS COMMONS




HOMEABOUT +SHOWCASESBROWSE +CONNECTSUPPORTCONTRIBUTECONTACTLOGIN

One-Stop-Shop for OER

Home > One-Stop-Shop for OER

[Back to Finding More OERs](#)



OER

CC licensed (BY) Flickr photo shared by David Amsler modified by Paul Stacey

OER come in a wide variety of types. Many educators are simply looking for individual media elements to use within their courses, such as photos, graphics, videos, and audio, that are openly licensed in a way that freely permits education use. Other educators are looking for online curriculum modules to augment their courses, complete textbooks to replace a publisher's textbook or curriculum for the complete coursework (call open courseware).

The "one-stop-shop" of OER collections is meant to provide users easy access to the wide range of OER collections. Explore and reuse the OER!

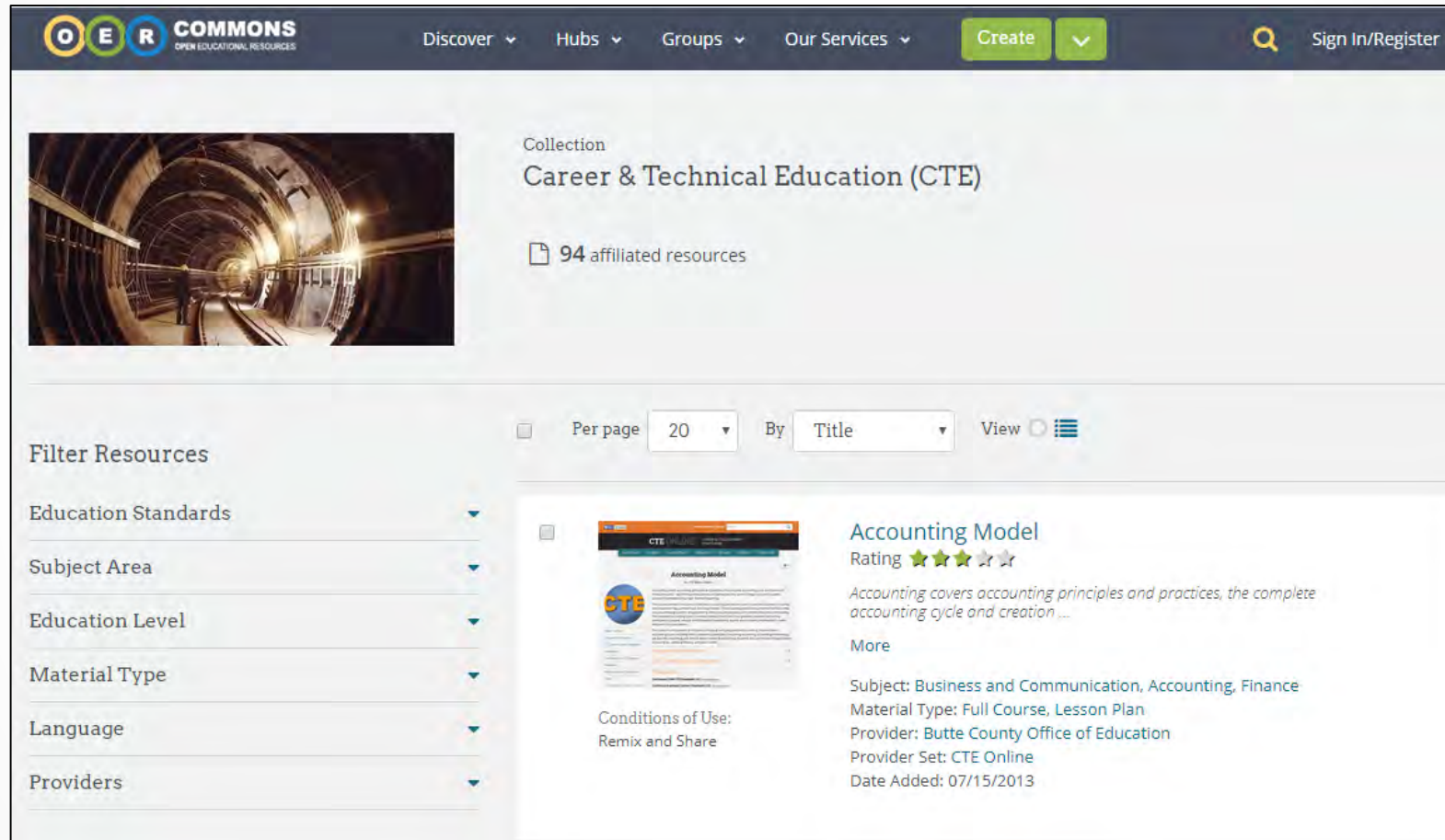
In addition to the listing below, you can explore the [OER WORLD MAP](#) to find OER collections and resources from around the world.

Need help applying the proper attribution to your material?

[OPEN Attribution Builder](#) is a free online Attribution Builder available from Washington State Board for Community and Technical Colleges (SBCTC).

<http://support.skillscommons.org/home/discover-reuse/finding-more-oers/find-oer/>

OER COMMONS



OER COMMONS OPEN EDUCATIONAL RESOURCES

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Sign In/Register

Collection
Career & Technical Education (CTE)

94 affiliated resources

Filter Resources

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- Education Level ▾
- Material Type ▾
- Language ▾
- Providers ▾

Per page 20 ▾ By Title ▾ View ☐ ☒

Accounting Model
Rating ★★★★★

Accounting covers accounting principles and practices, the complete accounting cycle and creation ...

More


Subject: Business and Communication, Accounting, Finance
Material Type: Full Course, Lesson Plan
Provider: Butte County Office of Education
Provider Set: CTE Online
Date Added: 07/15/2013

Conditions of Use:
Remix and Share

<https://www.oercommons.org/curated-collections/383>

FEDERATED SEARCHES

The Mason OER Metafinder (MOM)
Real-time federated search for OER content
[What's an OER?](#) | [About the OER Metafinder](#)


 **Full Record**

Title

Author










Date Range
From To

All Categories
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☒ BC Campus Open Ed [↗](#)
☒ Directory of Open Access Books (DOAB) [↗](#)
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 Modules	 Open Access Books	 Videos

<https://oer.deepwebaccess.com/oer/desktop/en/search.html>

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

OPEN TEXTBOOK LIBRARY



Open Textbook Library




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Make a difference in your students' lives with free, openly-licensed textbooks.

Textbooks every student can access and afford

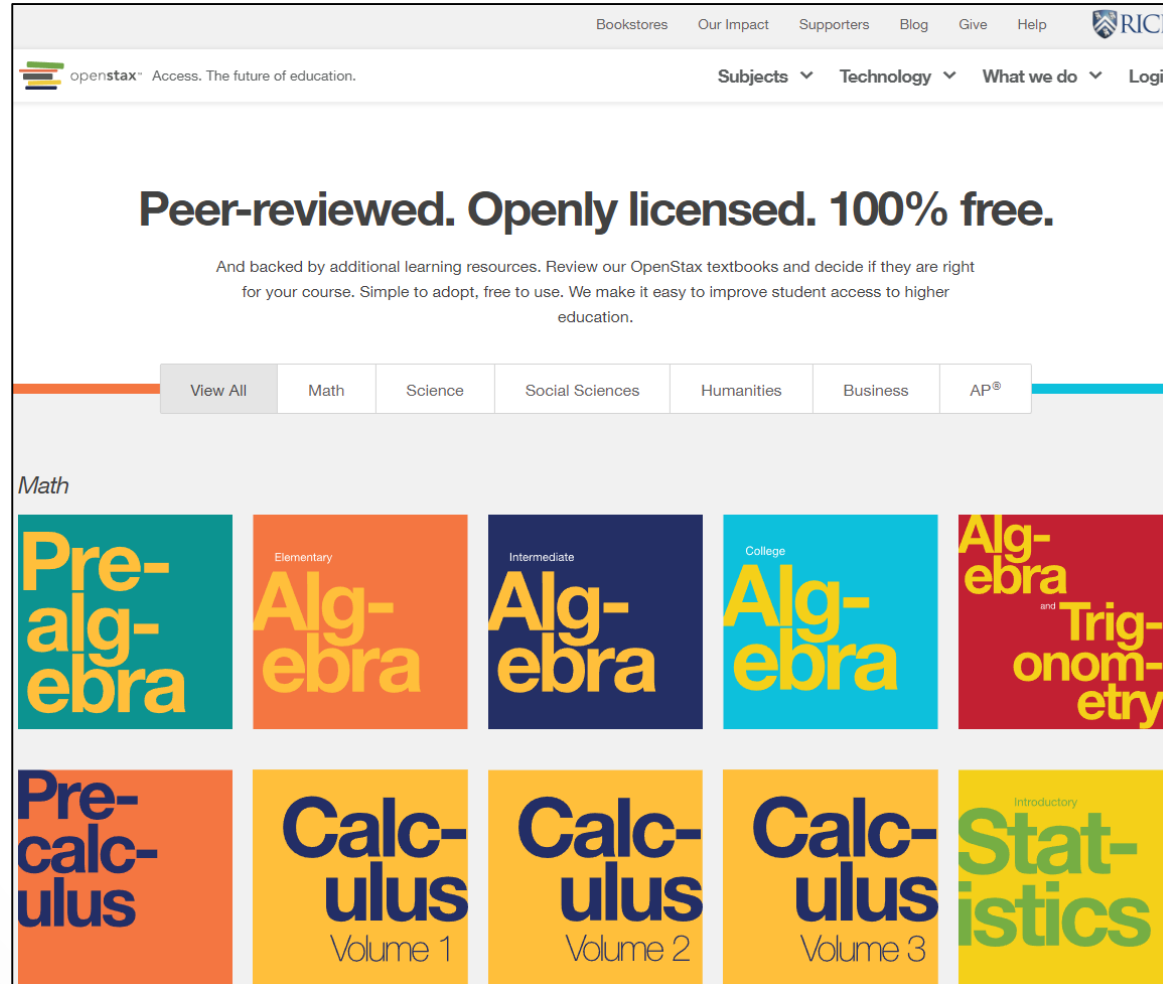
Open textbooks are textbooks that have been funded, published, and licensed to be freely used, adapted, and distributed. These books have been reviewed by faculty from a variety of colleges and universities to assess their quality. These books can be downloaded for no cost, or printed at low cost. All textbooks are either used at multiple higher education institutions; or affiliated with an institution, scholarly society, or professional organization. The library currently includes 667 textbooks, with more being added all the time.

The Open Textbook Library is supported by the [Center for Open Education](#) and the [Open Textbook Network](#).


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Business +	 READ MORE »	Published by College of Marin
Computer Science & Information Systems		Foundations of Educational Technology


<https://open.umn.edu/opentextbooks>

OPENSTAX



The screenshot shows the OpenStax website homepage. At the top, there is a navigation bar with links for Bookstores, Our Impact, Supporters, Blog, Give, and Help, along with the Rice University logo. Below this is the OpenStax logo and tagline "Access. The future of education." followed by dropdown menus for Subjects, Technology, and What we do, and a Login link. The main heading reads "Peer-reviewed. Openly licensed. 100% free." with a subtext explaining the mission. A category filter bar includes "View All", "Math", "Science", "Social Sciences", "Humanities", "Business", and "AP®". The "Math" category is selected, displaying a grid of textbook covers: Pre-algebra, Elementary Algebra, Intermediate Algebra, College Algebra, Algebra and Trigonometry, Pre-calculus, Calculus Volume 1, Calculus Volume 2, Calculus Volume 3, and Introductory Statistics.

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View All Math Science Social Sciences Humanities Business AP®

Math

- Pre-algebra
- Elementary Algebra
- Intermediate Algebra
- College Algebra
- Algebra and Trigonometry
- Pre-calculus
- Calculus Volume 1
- Calculus Volume 2
- Calculus Volume 3
- Introductory Statistics

<https://openstax.org/>

EVALUATION RUBRICS

- Open Textbook Library Review Criteria

<https://open.umn.edu/opentextbooks/reviews/rubric>

- rCampus OER Assessment Rubric

<https://www.rcampus.com/rubricshowc.cfm?code=L9WC6X&sp=yes>

Questions?

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