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The Global Network for Open Education
www.oecconsortium.org

Choose Generation Open: Transforming Teaching and Learning with Open Educational Resources



Una Daly, Open Education Consortium
Kate Hess, Kirkwood College

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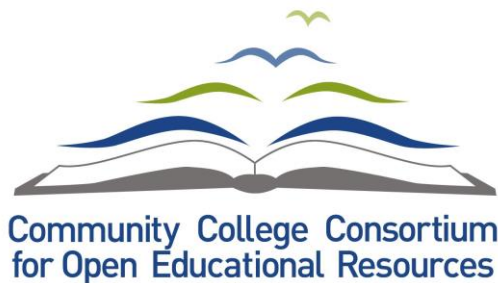
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Welcome



Una Daly
Community College Director
Open Ed Consortium
OER Library Manager, CSU



Kate Hess
Faculty Librarian
Library Coordinator
Kirkwood Community College



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Open Access Illinois



Illinois Network for Advanced Manufacturing



DigitalCommons@C.O.D.

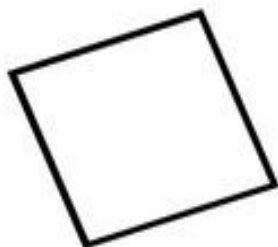


Illinois General Assembly

Open Access to Research Public Act of 2013

True

False





Agenda

- Open Education is evolving
- Barriers to Education
- How Openness Enables Sharing ...
- Case Studies
- Student and Faculty Impact
- Launching an OER Initiative
- Sustainability of OER
- Challenges on Your Campus



Second Open Government Action Plan

September 2014

- Promote open education to increase awareness and engagement:
 - Start dialogues and partnerships with academia, industry, and governments.
 - Pilot new models that use OER
 - Launch an online skills academy for high demand career training





What is Open Education?

... encompasses resources, tools and practices that employ a framework of open sharing to improve educational access and effectiveness worldwide.

--- Open Government



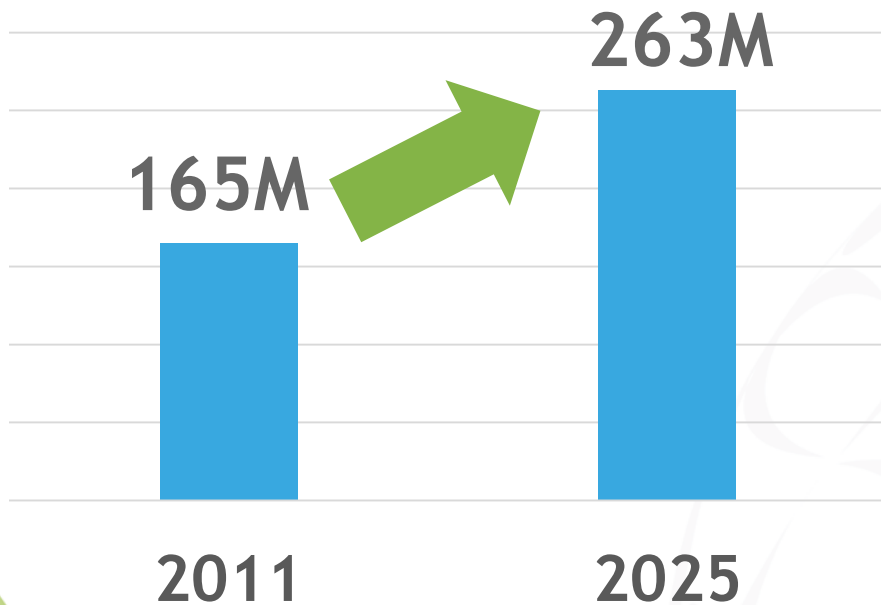
... combines the traditions of knowledge sharing and creation with 21st century technology to create a vast pool of openly shared, free educational resources that are more responsive to learner's needs.

-- Open Education Consortium



Worldwide Participation in Higher Education is Expected to Grow ~60% by 2025...

Worldwide Participants in Tertiary Education, 2011 and 2025 Projected



In order to accommodate these 98 million new students, **four** major universities of **30,000+ students** would need to open **every week** for the next **15** years



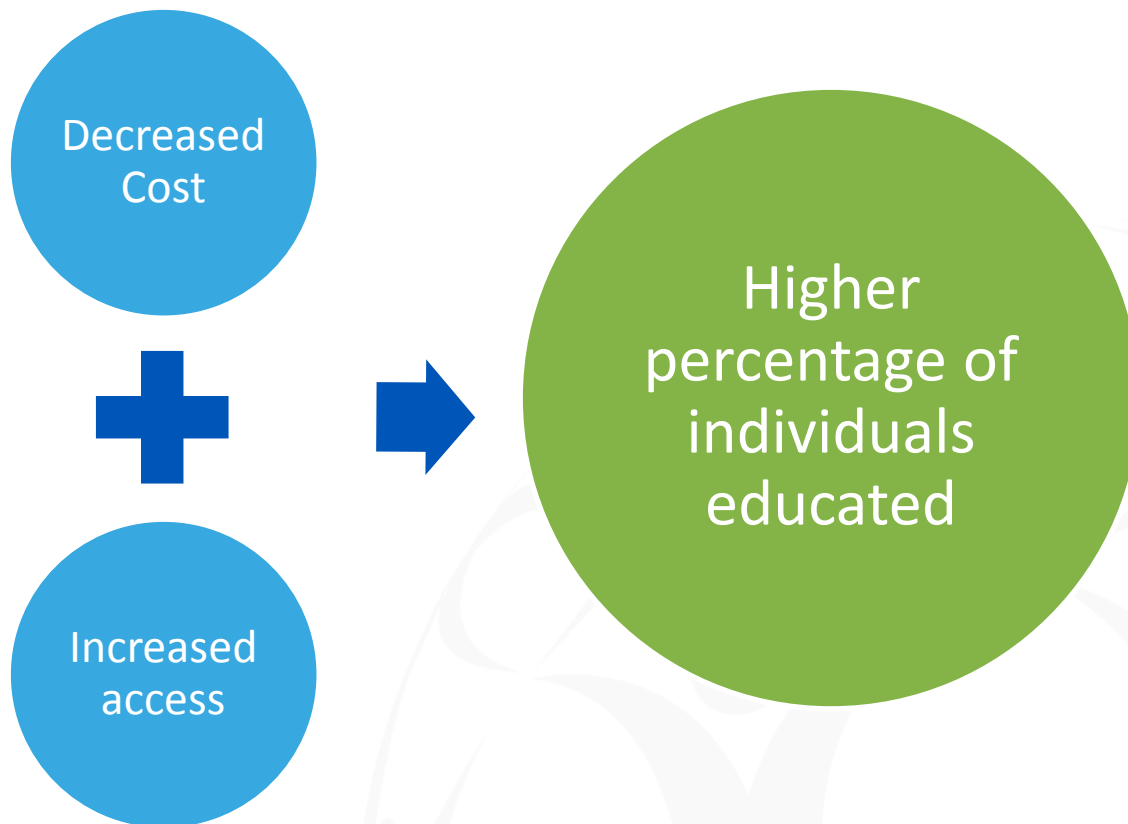
...and Employers are Increasingly Seeking Skilled Workers

~90-95M low-skill workers (2.6% of the global workforce) will not be needed by employers by 2020

Employers will need ~45M more medium-skill workers and ~38-40M more high-skill workers than will be available by 2020



The Opportunity





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Open Education Consortium Membership

WHAT IT MEANS TO BE GLOBAL



30,000+
COURSES

280+
ORGANIZATIONS

40
COUNTRIES

29
LANGUAGES



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Community College Consortium



250+ colleges in 18 states/provinces



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Education as Human Right



“ Education is both a human right and a vital means of promoting peace and respect for human rights and fundamental freedoms ... to realize this potential, education must be made universally available and equally accessible to all “

World Education Report 2000, “The right to education: Towards education for all throughout life”. <http://www.unesco.org/education/information/wer/PDFeng/wholewer.PDF>



Education is about Sharing

- Teachers share knowledge freely
- Students share their understanding
- Teachers share with each other.



Source: David Wiley, Why be Open, slideshare 2012



Tuition and Fees

- Undergraduate costs rose 42 percent at public institutions 2001-2011



COURTESY: UNIVERSITY OF ILLINOIS AT CHICAGO

Source: National Center for Education Statistics



Student Debt

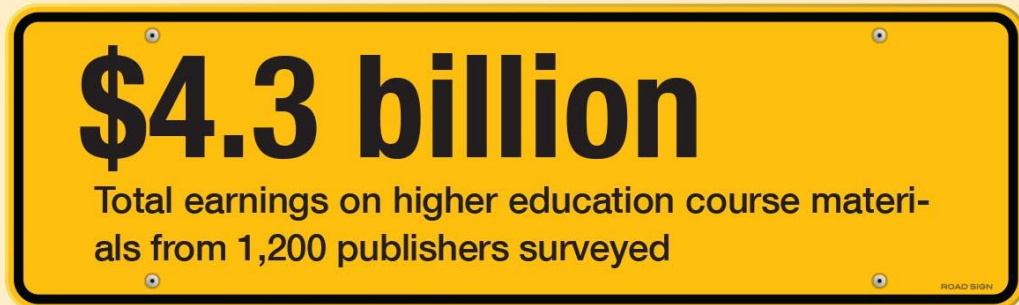
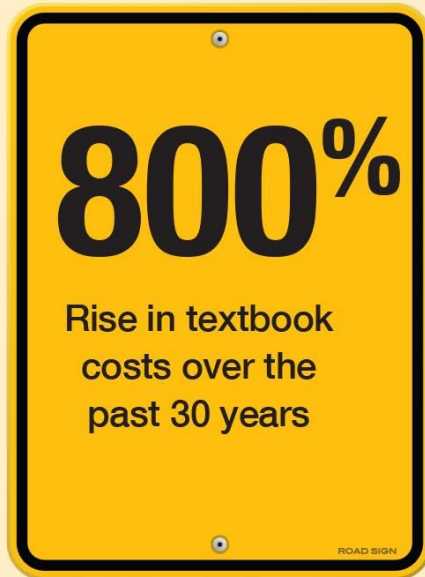
- Federal Student Loan Debt
– 1-Trillion Dollars
- Avg. loan upon graduation
– \$25,000+



Image: Welcome Back to CAL licensed
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Source: Chronicle of Higher Ed, Forbes Magazine, Aug 2013

The BIG BUSINESS of TEXTBOOKS



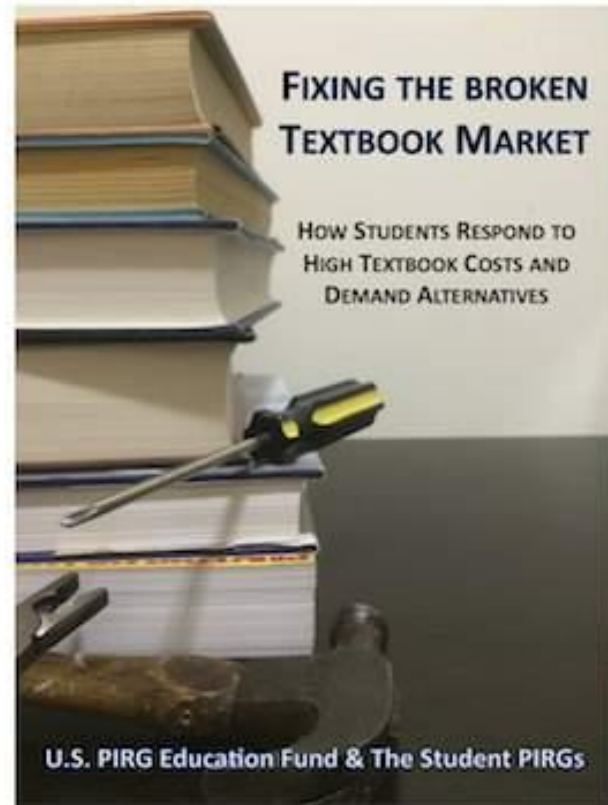
SOURCES: College Board, U.S. PIRG Education Fund, Student PIRGs, Association of American Publishers

(Article): University Business: College textbook forecast: Radical change ahead
<http://www.universitybusiness.com/article/college-textbook-forecast-radical-change-ahead>



Student Impact

- 65% choose to not buy textbook
- 94% report concern that grades affected
- 48% take fewer classes or different classes

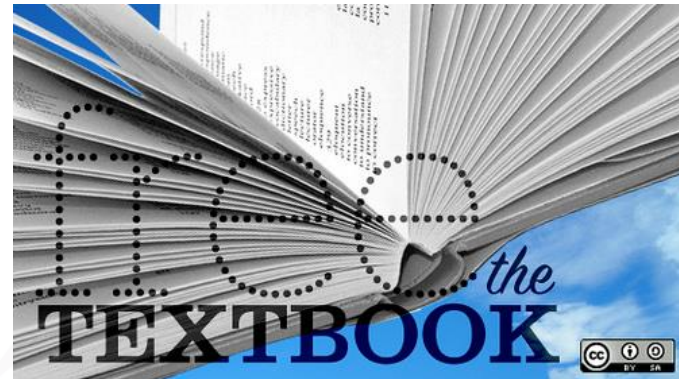




Solution:

Open Educational Resources

- Online access to textbook on first day of class.
- Free online, low-cost print option
- Faculty can adapt for students



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the content free?



Use an Open License

- **Free:** Free to access online, free to print
- **Open:** Shared, usable and re-usable
- **Creative Commons:** less restrictions than standard copyright but author retains full rights.





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Creative Commons Licenses

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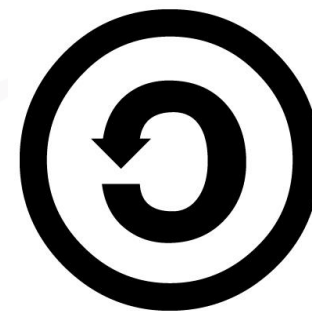
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Non-Commercial?



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Welcome!

Our Current Textbooks:

***NEW!* Chapter 0 - Prerequisites (August 2013) - A targeted review of Basic and Intermediate Algebra Topics**

***NEW!* Corrected 3rd Editions (July 2013)**

- **Click to obtain the corrected Precalculus, 3rd Edition free eBook (.pdf) (July 2013)**
- **Click to obtain the corrected College Algebra, 3rd Edition free eBook (.pdf) (July 2013)**
- **Click to obtain the corrected College Trigonometry, 3rd Edition free eBook (.pdf) (July 2013)**

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For printed copies of our textbooks, click on the following link: [Stitz Zeager Textbooks on Lulu.com](#)





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Numeric range:

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Find content I can: Use for commercial purposes; Modify, adapt, or build upon.

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- Open Clip Art Library
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Search

Make it easy to find!

Slide adapted from Cable Green slideshare

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mesmo um fenômeno novo? É salários e a desigualdade, sobre produção e a inovação? Como desenvolvidos e países em desenvolvimento são alguns dos principais assuntos.

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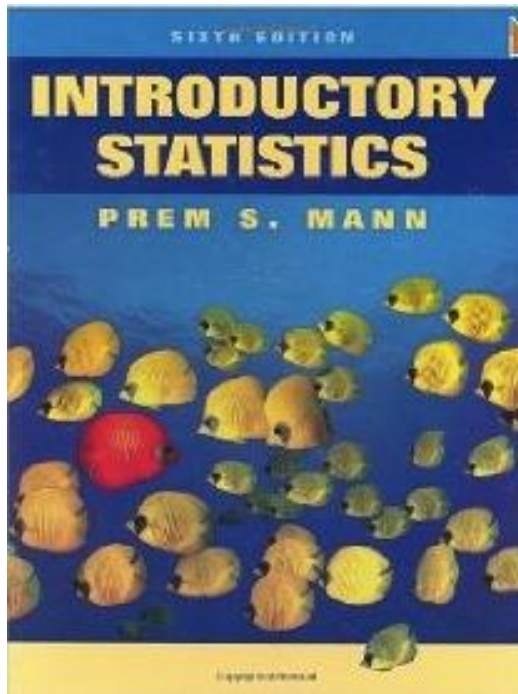
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Modify for special needs!

Publisher: Wiley & Sons

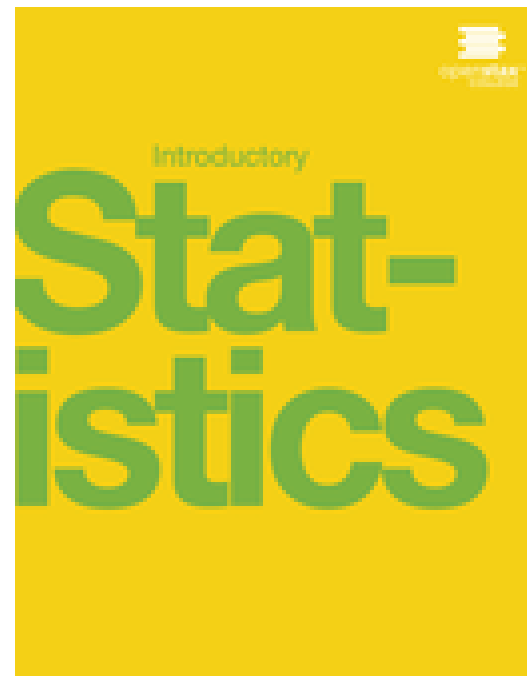
Amazon \$167. 19



Publisher : OpenStax College

Digital Access - \$0

Softbound: \$34.31



Make it affordable!



Who creates open educational resources?

- Private Foundations
- Grant funded projects
- Educational institutions
- Faculty and other experts

\$100 million
from private
foundations in
the last decade.



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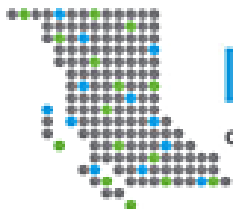
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Where to Find Peer Reviewed OER?



Orange Grove Texts *Plus*

Accessible. Affordable. Adaptable.



BCcampus

connect. collaborate. innovate.



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saylor.org
FREE EDUCATION



openstax™
COLLEGE

MIT OPEN COURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY



collegeopentextbooks.org

O E R
COMMONS
OPEN EDUCATIONAL RESOURCES

MERLOT
Multimedia Educational Resource
for Learning and Online Teaching



Large scale OER Projects

- U.S. Department of Labor
- OpenStax College
- Maricopa Millions
- NOVA's OER-based General Ed
- Kaleidoscope/Lumen Learning



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TAACCCCT Grants



\$2 billion over four years
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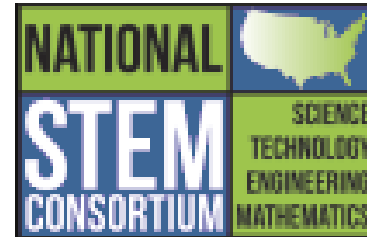
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TAACCCT Grants



Illinois Network for Advanced Manufacturing

- College of DuPage



Environment Health & Safety

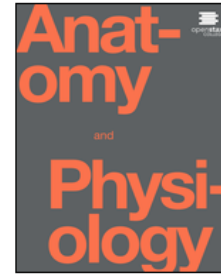
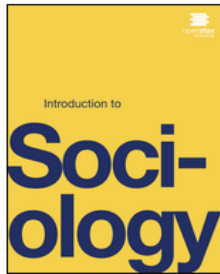
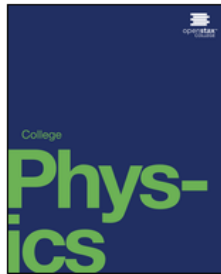
- College of Lake County

Building Illinois' Bioeconomy (BIB) :

- Southeastern Illinois College (SIC),
- Southern Illinois University-Edwardsville,
- Carl Sandburg College,
- Lincoln Land College,
- Lewis & Clark College



OpenStax College



Foundation funded, peer reviewed open textbooks
for top 20+ courses.



\$13 MILLION+
SAVED!



openstax™
COLLEGE



NOVA's OER-Based General Education Project



- 25 OER-based GE Courses
- Team development
 - Faculty, Librarian, Instructional Designer
- Saving students \$200,000 per term
- Student success rates improved in most courses.

Costs of Textbooks

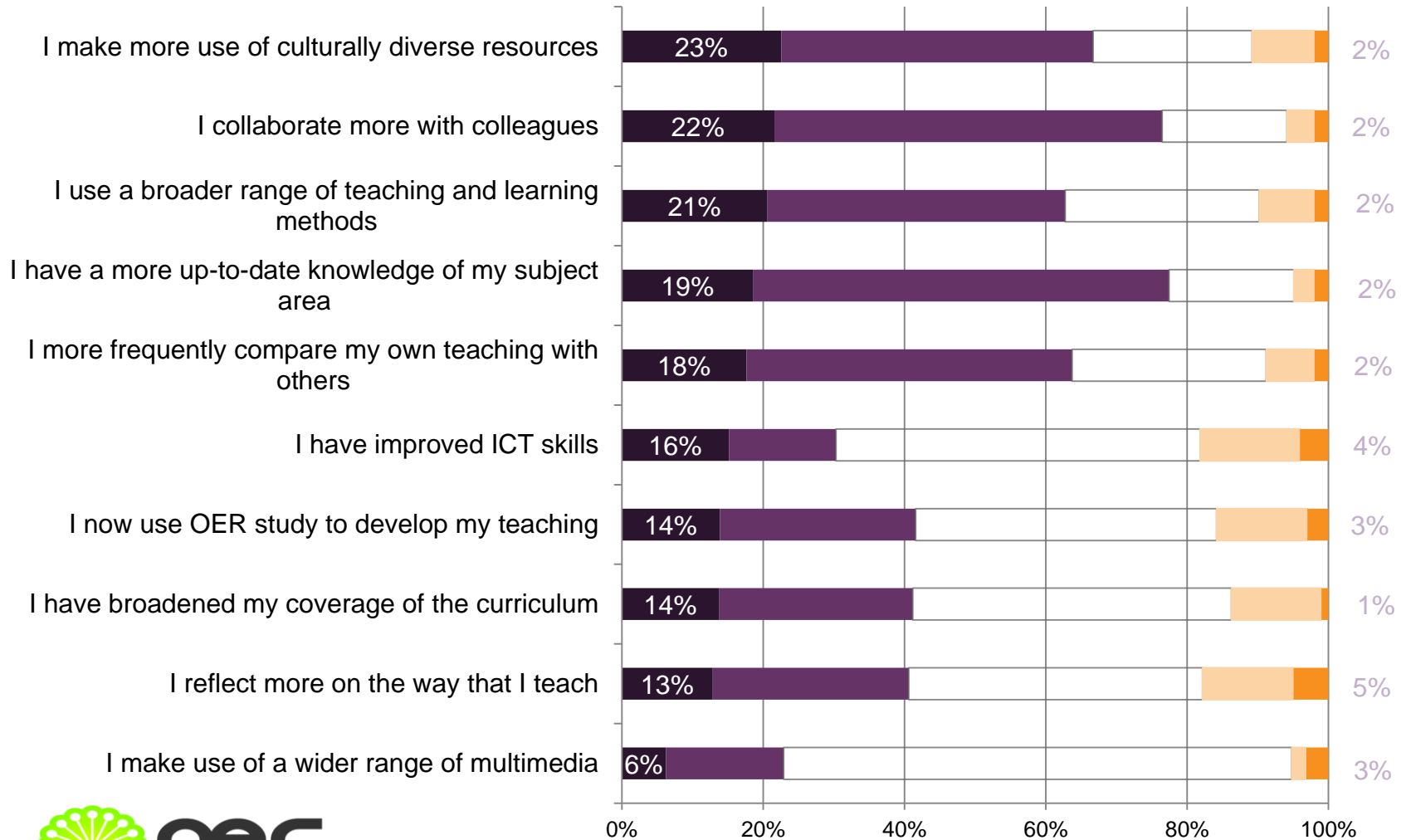


- | | | | |
|-------------|------------------|------------|----------|
| • ENG 111: | \$140 | • CST 110: | \$140 |
| • ENG 112 : | \$93 | • ECO 201: | \$281.80 |
| • ENG 125: | \$89 | • ECO 202: | \$281.80 |
| • MTH 151: | \$263 | • ITE 115: | \$182.70 |
| • PHY 201: | \$269 | • MTH 152: | \$161.80 |
| • PHY 202: | \$244 | • MTH 157: | \$123.55 |
| • HIS 121: | \$109 | • MUS 121: | \$141.45 |
| • HIS 122: | \$109 | • PED 116: | \$92.85 |
| • ART 101: | \$226 | • PSY 200: | \$107.15 |
| • ART 102: | \$226 | • REL 100: | \$138.55 |
| • HIS 262: | N/A (new course) | • SOC 200: | \$114.65 |
| • SDV 100: | \$77 | | |

Average cost of Textbooks = \$185

Potential savings of \$3600 per student

OER Teaching Impact



strongly agree—
 agree—
 neither agree nor disagree—
 disagree—
 strongly disagree—



Maricopa Millions: Saving Students \$5 M in 5 Years

- District-wide funded OER project
 - 10 Colleges, over 250,000 students
- Developing OER courses for General Education.
- Finalizing OER quality rubric
- Students can search for courses that use OER when registering.



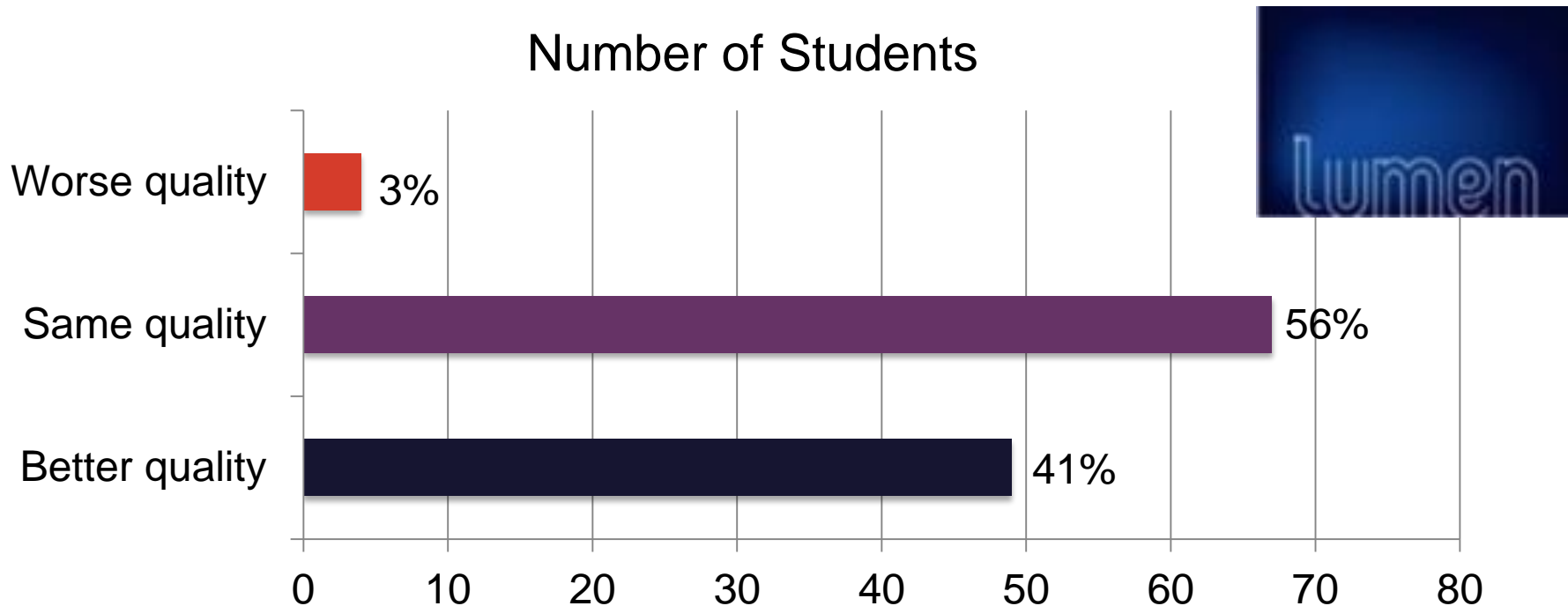
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Student Savings and Student Voices



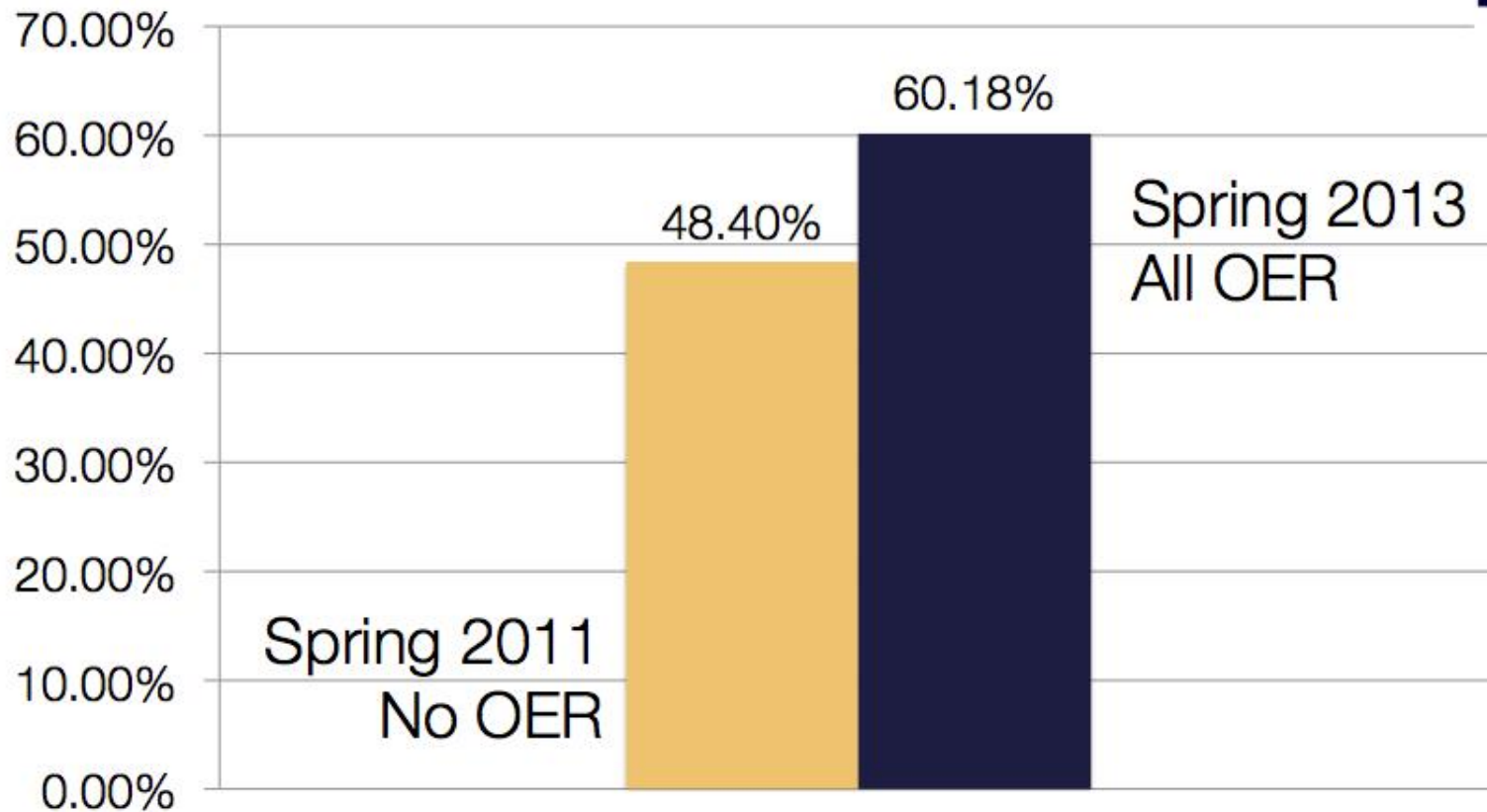
Open Textbook Ratings by Students



- *“It was very concise and aligned with exactly what we were working on in the class.”*
- *“Having the textbook catered to us by our teacher was perfect.”*

Developmental Math Results

Percentage passing with C or better



n=2,842



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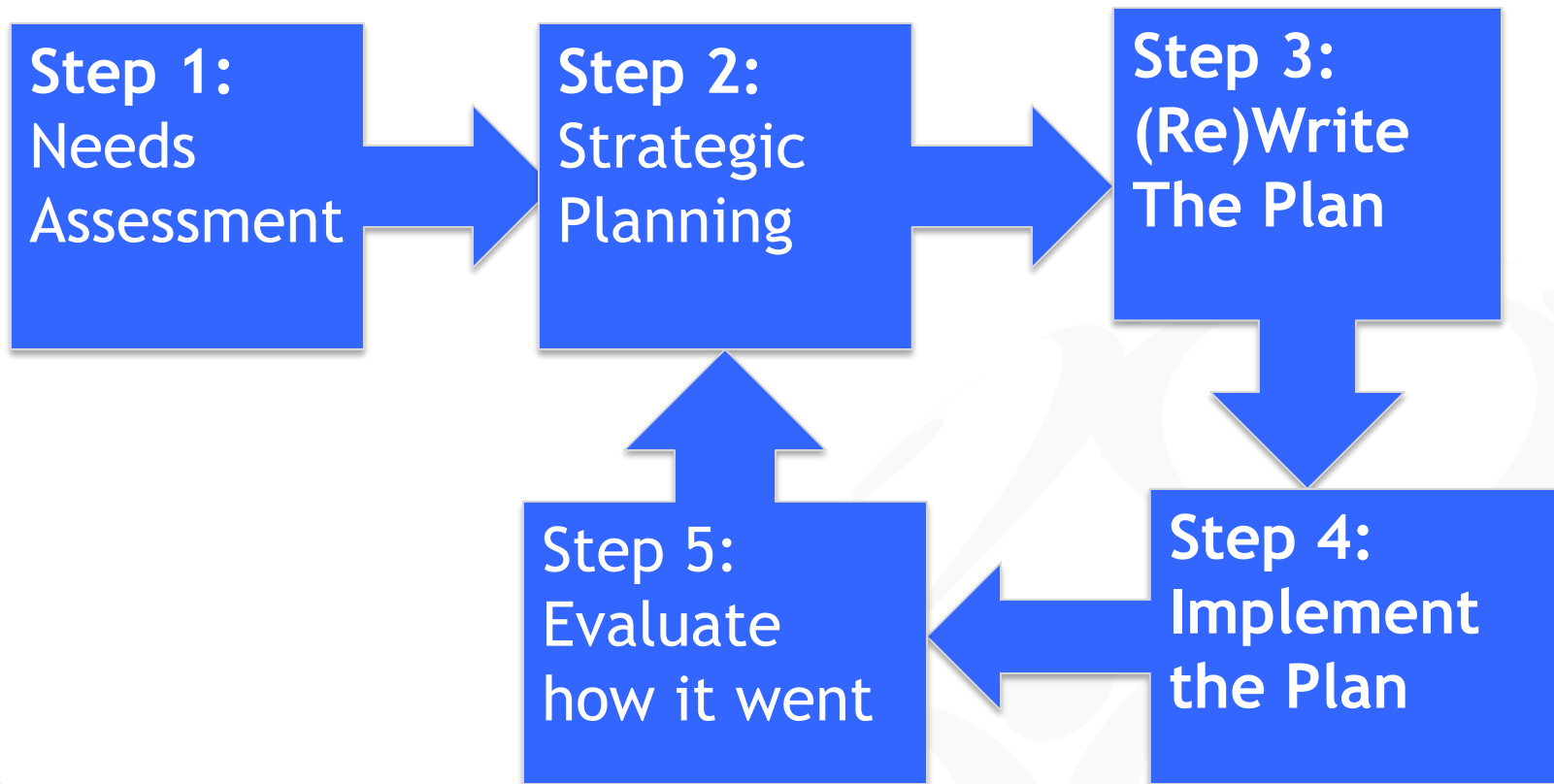
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Launching an OER Initiative





The Roadmap





Step 1: Needs Assessment

- Surveys or interviews with stakeholders
 - Faculty
 - Librarians
 - Students
 - Deans
 - Curriculum Committee
 - Bookstore Manager
 - President, Board of Trustees, etc
 - Other College OER Leaders





Step 2: Strategic Planning

- Set measurable goals with timeline
 - Alignment with college planning
- Identify sponsorship and funding
 - Internal and external
- How to create awareness
 - Campus activities
- IT Support requirements
 - Web pages, blogs, social media





Step 3: Write the Plan

- Faculty and staff development plans
 - Training and incentives
- Marketing plans
 - Internal and external
- Student outreach
- How to measure the outcomes
 - Adoptions, \$\$\$ saved, student success
- Second phase funding





Step 4: Roll-out the Plan

- Regular Communications
 - Website, blog, emails?
- Mechanisms for feedback
 - Making adjustments
- Surveys for faculty and students
 - Enough but not too many
- Recognize champions on campus





Step 5: Evaluate and Regroup

- Evaluating the feedback
 - Follow-up with key constituents
- Measuring outcomes
- Publishing the results
- Thanking the contributors
- Strategic planning Phase 2



Open Education Sustainability

- Add OER to strategic plans
- Support faculty OER adoption
- Include students
- Openly license when possible
- Ensure OER is accessible
- Track your progress, celebrate the heroes
- Join the open education community





November 19-21 | Washington, D.C.

www.openedconference.org

Need Help Getting Started?

- Find & adopt open textbook workshops
- Understanding open licenses
- Online accessibility
- Faculty and student surveys
- Access to community of OER practitioners & experts
- Monthly webinars



Community College Consortium
for Open Educational Resources



Fall 2014 Webinars

2nd Wed, 10:00 PST (1:00 PM EST)

Finding and Adopting Open Textbooks

Wed, Sept 10, 10:00am Pacific (1:00 pm EST)

Featuring speakers from OpenStax College, BCcampus, and the California Open Textbook Initiative

Open Course Design and Development with UMUC, Lumen

Wed, Oct 8, 10:00 am Pacific (1:00 pm EST)

Featuring speakers from Lumen Learning, UMUC, and Northern Virginia Community College.

Opening up Pedagogy with Open Educational Resources

Wed, Nov 12, 10:00 am Pacific (1:00 pm EST)

Featured speakers will include college instructors and their students sharing how the use of open educational resources changed their learning experience.

OER Research and Open Access

Wed, December 10, 10:00 am Pacific (1:00 pm EST)

Featured speakers will include those actively involved in system-wide and global OER research projects and the SPARC Open Education project.

Archived webinars available at <http://oerconsortium.org>



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