
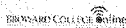




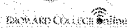
Open Educational Resources (OER) What? Why? How?

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BROWARD COLLEGE online

Florida's Global Campus

Project Partners 

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OER Adopter and Advocate


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OER Adopter and Advocate






SFSCopen




THE *Florida* COLLEGE SYSTEM

Chancellor's Best Practice 2016



Your Daily Job?

- A. Faculty
- B. Staff
- C. Support



Teaching Experience?

- A. First year
- B. 1-5 years
- C. 6-15 years
- D. >15 years



Familiarity with OER?

- A. What's OER?
- B. I have heard of OER before
- C. I have tried using OER in a class before
- D. I am very familiar with OER



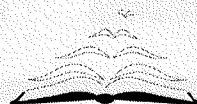
What?



OPEN EDUCATIONAL RESOURCES

What are open textbooks?

High-quality textbooks with an "open" copyright license allowing the material to be freely accessed, shared, and adapted.



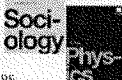
Examples

- Open textbooks
- Lesson plans
- Open courseware
- Videos
- Images
- Tests
- Software

OPEN COURSEWARE CONSORTIUM

KHAN ACADEMY

MIT OPEN COURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY



Lumen Learning, Broward College and OER

Next Generation Courseware Challenge: Grant program funded by the Gates Foundation in 2014. Eight grantee projects.

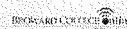
Program Goals:

Develop affordable, high quality digital course materials to improve teaching and learning for disadvantaged learners

Serve 1 million learners with these materials by 2018

Lumens' Project "Waymaker" Goal: Deliver highly effective, personalized learning experiences using OER

Broward College: One of 15 Lumen sub-grantees.



Initial Courses

- Microeconomics
- Macroeconomics
- Introduction to Business
- Principles of Marketing

Project Partners

Student Attitudes about Waymaker

Spring Term 2016

- 65% of students say instructor cares more than in other classes
- 76% of students prefer Waymaker courses to courses using traditional textbooks

Optional Spring 2016 student survey
196 students at 6 institutions

Achieving the Dream

The Open Educational Resources (OER) Degree Initiative:
seeks to boost college access and completion, particularly for underserved students, by engaging faculty in the redesign of courses and degree programs through the replacement of proprietary textbooks with open educational resources. Over the next three years, the Open Educational Resources Degree Initiative will lay the groundwork for nationwide adoption of OER Degrees.

Broward College Online OER Degrees

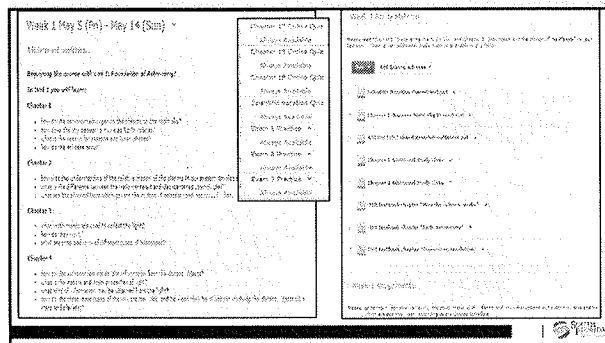
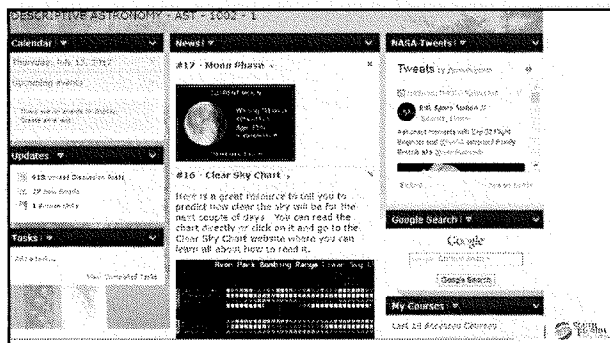
- Associate of Science in Business Administration
- Associate of Science in Marketing

3-year grant will provide funding and support to:

- have two fully online OER A.S. degree programs
- enable campus-based faculty the opportunity to redevelop Online OER courses into Blended OER courses
- update and provide professional development to prepare instructors to use open, digital content most effectively

OER at Broward

- Lumen Learning Waymaker Courses
- Faculty curated OER Courses with Open and Free courseware
- Fall 2017 pilot with OpenStax and Knewton (adaptive platform) for Introduction to Chemistry
- Fall 2016 by the numbers:
 - 65 OER Courses
 - 481 sections offered
 - 13,013 student enrollments
 - \$1,561,560 in savings (at an average textbook price of \$120)



How are they accessed?

- Usually accessed online at no cost and can be purchased in a variety of print and digital formats at a low cost.
- On average, using open textbooks in place of traditional textbooks **reduces total cost for a course by one-third!**



What's the same?

- They are **written and reviewed by experts**, and cover a similar scope and sequence of topics.
- Many come with **support materials** like online homework, test banks, and supplemental videos.
- **Quality** can be just as good as a traditional textbook.



What's different?

- They can be **legally shared, copied, and distributed** at little or no cost, without fear of expiration dates.
- They can be **legally adapted** by instructors, which makes it possible to add new material, change terminology, or remove unnecessary chapters so the textbook perfectly fits a class.

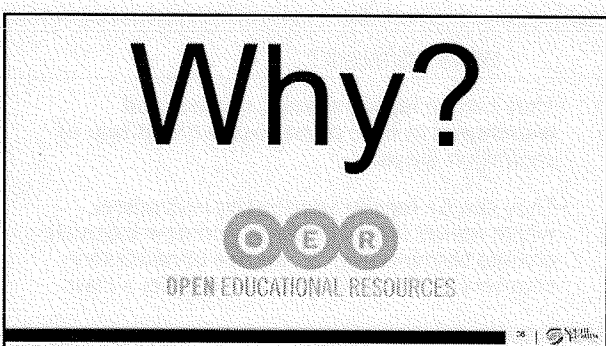
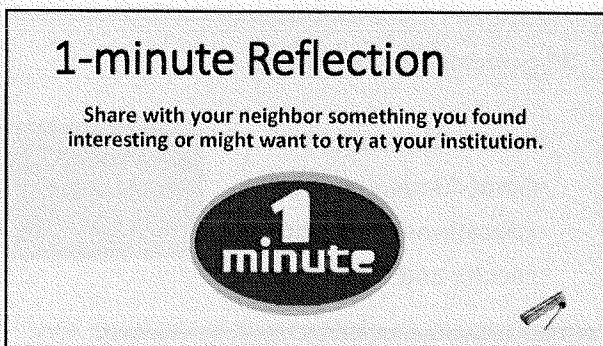
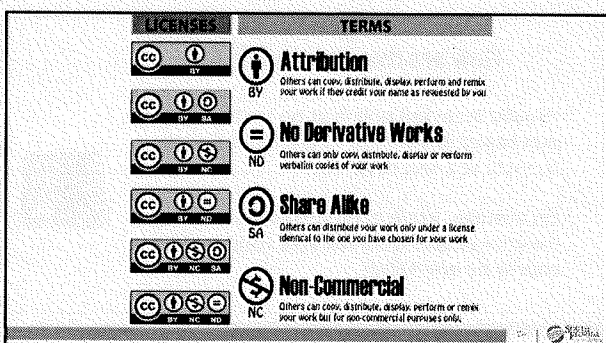
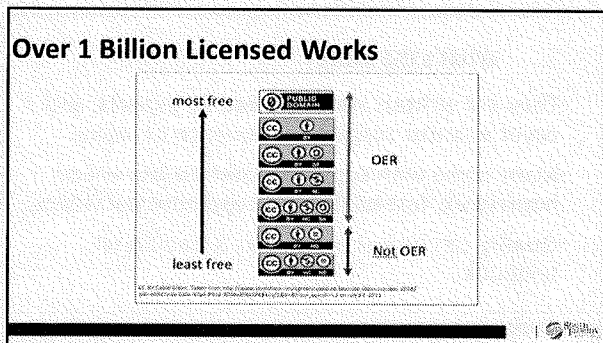
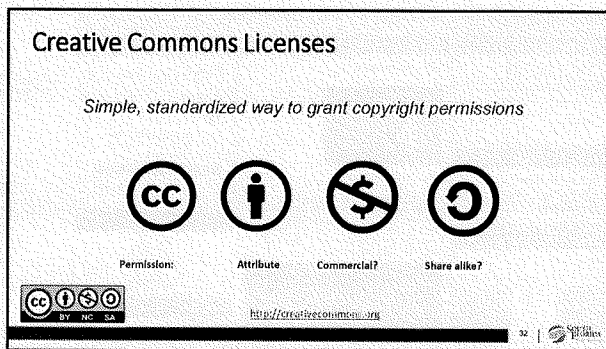
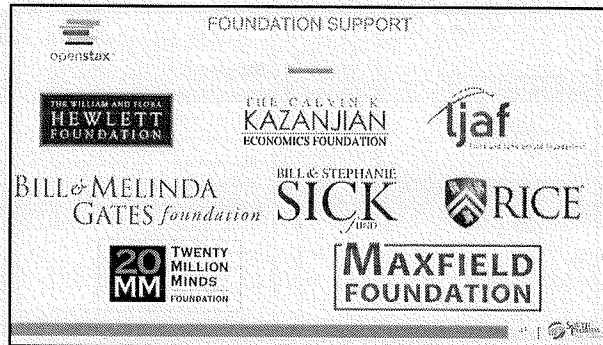


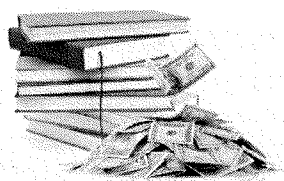
Who creates open textbooks?

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

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







Expand Access & Reduce Costs

37 | OpenStax

Open Textbooks

- Day 1 access to textbook for all students
- Increases accessibility to your course
- Lowers student cost by about 33%
- Free online or low-cost print option
- You control textbook content
- You control textbook revisions



OpenStax

Advantages for Faculty

- No more covering extra chapters because book is so expensive
- No requirement to change versions every few years.
- You can customize your instructional materials
- Many open textbooks have ancillaries



Image: faculty meeting fun by alex ragone cc-by-nc-sa

OpenStax

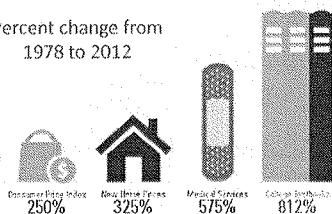
OER FOSTERS CREATIVITY!

- Flipped classrooms
- Websites
- Creating books from books
 - Sociology to Criminology
 - Advanced versions of books
- Lecture videos and podcasts
- Adding local examples
- Pedagogical foundations in LMS integration

OpenStax

Textbook Prices Are Skyrocketing

Percent change from
1978 to 2012



Source: RUS, Center for Budgetary Priorities

OpenStax

48% of all students surveyed said that the cost of textbooks impacted how many/which classes they took each semester

"Fixing the Broken Textbook Market" by U.S. PIRG Educational Fund, January 2014

OpenStax