Open Educational Resources
Leveling the Playing Field: Best Practice, Policy and Implementation
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DOE-$5 Million for OER

We believe that educational opportunities should be available to all learners.

Creating an open education ecosystem involves making learning materials, data, and educational opportunities available without restrictions.
Three-year persistence by parents' education

Credential Attainment by Race and Ethnicity

Factoring in race and ethnicity

Even as the nation makes progress, educational attainment remains unequal across racial and ethnic groups. In our society, where real opportunity depends on learning beyond high school, these persistent inequities harm us all as Americans.

Education beyond high school is key to increasing economic opportunity and social mobility. That’s why we know that, to achieve the 60 percent goal, we must close gaps by race, ethnicity, income, and immigration status.

http://strongernation.luminafoundation.org/report/2018
Postsecondary Student Characteristics

‘New Normal’ Students in Higher Education

74% of all undergraduate students have at least one nontraditional characteristic

66% transfer between institutions prior to completion
62% work either full or part time
43% attend part time

28% have at least one dependent
35% are enrolled in two-year colleges
63% are first-gen students


http://tech.ed.gov/HigherEdNETP
April 3, 2018 study by Temple University and Wisconsin HOPE lab “Still Hungry and Homeless in College”

- 36% of college students say they are food insecure.
- 36% say they are housing insecure
- 9% report being homeless

Community College students:
- 42% struggled to get adequate food
- 9% said they had gone at least one day/month without eating
- 46% said they had difficulty paying for housing and utilities
Man, after books, tuition, and fees, I'm broke...

Me too.

I guess there's only one thing we can do...

Yup...

We gotta find part-time jobs.

Hello, mom?

Sigh... how much?
The Cost of College

• $1.44 trillion in total U.S. student loan debt
• 44.2 million Americans with student loan debt
• Student loan delinquency rate of 11.2% (90+ days delinquent or in default)
• Average monthly student loan payment (for borrower aged 20 to 30 years): $351
• Median monthly student loan payment (for borrower aged 20 to 30 years): $203

(NY Federal Reserve. 2016)
Average Estimated Undergraduate Budgets, 2016-17

Books & Supplies = $1,200+

Source: College Board
College textbook prices have risen 812% since 1978, and 65% of students have sometimes chosen not to buy the textbook, even though 94% of students believe it will affect their grade. (Center of the Public Interest Research)
Oregon State University Students
Students vs Textbooks

• Purchase an older edition of a textbook
• Delay purchasing a textbook
• Never purchase a textbook
• Share the textbook with another student
• Download textbooks from the internet
In your academic career, has the cost of required textbooks caused you to:

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2016</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Not purchase the required textbook</td>
<td>63.6%</td>
<td>66.5%</td>
<td></td>
</tr>
<tr>
<td>Take fewer courses</td>
<td>49.2%</td>
<td>47.6%</td>
<td></td>
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<tr>
<td>Not register for a specific course</td>
<td>45.1%</td>
<td>45.5%</td>
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<tr>
<td>Earn a poor grade</td>
<td>33.9%</td>
<td>37.6%</td>
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<tr>
<td>Drop a course</td>
<td>26.7%</td>
<td>26.1%</td>
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</tr>
<tr>
<td>Fail a course</td>
<td>17.0%</td>
<td>19.8%</td>
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What are OER?

Open educational resources (OER) are freely available learning materials that can be downloaded, edited and shared to better serve all students. (William and Flora Hewlett Foundation)

This means all students have access to free learning materials the first day of class.
What are Open Textbooks?

Open Textbooks are textbooks that are freely available with non-restrictive licenses. Covering a wide range of disciplines, open textbooks are available to download and print in various file formats from several websites.

This means all students have access to free learning materials the first day of class.
Promising Data for Higher Education

OER show promise in improving student outcomes as supported by research, they provide more learning and authorship opportunities for faculty and students, and they are openly available to everyone.

Research shows that OER can contribute to higher rates of course completion in two- and four-year higher education programs without sacrificing performance in those courses.
With Creative Commons licenses, you are free to...

Copy
Share
Edit
Mix
Keep
Use

BY NC SA ND
Diversity and Inclusion
The text reflects diversity and inclusion regarding culture, gender, ethnicity, national origin, age, disability, sexual orientation, education, religion. It does not include insensitive or offensive language in these areas.
Overall, how do you rate the diversity and inclusion of the text?

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Africentric Math Course
Underlying this master plan are the following principles:

- Higher education is a public good that strongly benefits Colorado’s communities and the state;
- The higher education system should be accessible to all, not just those with adequate personal financial means; and
- Institutions of higher education have a responsibility to demonstrate their stewardship of public resources.
High-Level Endorsements

**Example: U.S. DOE Open Licensing Policy**
Requires that work created with grant funds apply an open license.

**Example: Virginia Governor**

**Example: Rhode Island**

In the fall of 2016, Rhode Island Governor Gina Raimondo issued a challenge to the state’s higher education institutions to save students $5 million over 5 years through the use of open textbooks.
OER Task Forces/Councils

Example: Colorado
April 5 CO Legislature passed HB18-1331. It is on the governor’s desk for signature. $660,000 FY 18-19. $1,160,877 FY 19-20.
System-Wide Initiatives

Example: North Dakota University System
This included legislation, funding, the adoption of OER policy language in the system’s strategic plan, a rigorous survey evaluating faculty awareness and interests in OER, professional development for faculty. The initiative has already saved students and estimated $1.8 million, and by 2018 is expected to save students $3-4 million student savings per year.

Example: CCCOnline
Students from 15 Community colleges can take online courses to complete certificates or associates degrees completely online. Fall 2017 semester OER Courses are saving students $300,717.
State-Lead Initiatives

**Example: Oregon**

In 2015, Oregon passed legislation requiring the state’s Higher Education Coordinating Commission to establish an OER grant program and hire a staff person to oversee it. The bill also requires public postsecondary institutions to prominently mark courses whose course materials exclusively consist of open or free textbooks. The legislature appropriated $700,000 to support the program, and the projected savings are $1.7 million.
Zero Textbook Cost Degrees

Example: California

In 2016, the California government appropriated $5 million to support the creation of Zero Textbook Cost Degrees at the state’s community colleges. Among the justifications for the program were that the more than 100 institutions in that system could easily share and build upon each other’s work, so investing in one degree at one college, could lead to multiple degrees at multiple colleges. This follows a nationwide trend pioneered by Tidewater Community College in Virginia, and a 38-campus initiative led by the non-profit Achieving the Dream launched earlier this year.
“...higher education shall be equally accessible to all”
Introducing the WCET Z Initiative, which promotes the policy and practice of OER implementation, creation, and sustainability.

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LET’S TALK ABOUT OER! 😊