

### Taxpayer Impact

- 30% of students used financial aid to buy textbooks
  - \$300+ (on average) per semester
  - 50% of community college students
- \$3 billion in financial aid used yearly for undergraduate textbooks



Student PIRGs Survey, Covering the Cost, 2016



### Example of Cost Avoidance at SFSC

Bookstore - \$332.25



Publisher: Addison-Wesley

Hardcover: \$48.50

iBook - \$4.99

PDF - free

ePub - free



Publisher: OpenStax

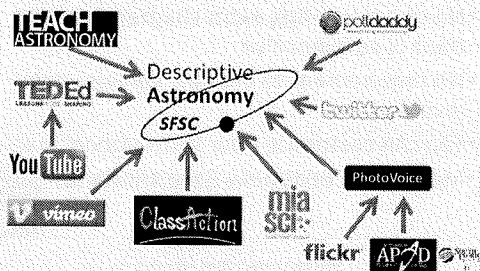


65% of students said that they had decided against buying a textbook because it was too expensive

"Filing the Broken Textbook Masket" by U.S. PIRG Educational Fund, January 2014



### AST 1002 Redesign



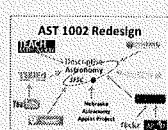
### Student Costs

Before

\$170

Now

\$0



Annual Cost Avoidance: \$30,000

Based on five sections (175 students) per year



### One SFSC Faculty Member's Annual Cost Avoidance

- General Physics I & II \$7,500
- General Physics w/ Calculus I & II \$7,500
- Descriptive Astronomy \$24,000
- Intro to Astrobiology \$2,400

Approx \$41,000 per year



### Broward College Cost Savings

- By Spring 2014, students were saving over \$250,000.
- By Spring 2016, savings were over \$1,000,000.
- By Spring 2017, students were saving \$1,500,000 with an academic year savings of \$4,192,000.

BROWARD COLLEGE  Online  
 Partnering to Support Success

**\$1,225** average  
student budget per year for  
textbooks and supplies

Average Estimated Undergraduate Budgets  
College Board 2014-2015



### Student Costs at SFSC

- Estimated Annual In-State Cost is \$4,375
    - Books and Supplies are \$1,200
- That's 27% of the cost!**



REGISTER NOW & GET

**27%** off

OVER & ABOVE PRODUCT DISCOUNTS!

(ALSO, 20% OFF - MIN. PURCHASE \$1499) [REGISTER NOW >](#)




**Imagine!**



**95%**

of students who had foregone  
purchasing a textbook were  
concerned that doing so would  
hurt their grade in a course

As of Spring 2016, OpenStax internal  
statistics based on faculty reporting

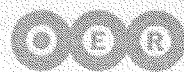


## 1-minute Reflection

Share something you found interesting or might want to try with someone near you.



# How?



OPEN EDUCATIONAL RESOURCES



## Steps to Adopt Open Educational Resources

- Discover & Select
- Adopt & Use
- Grow & Sustain

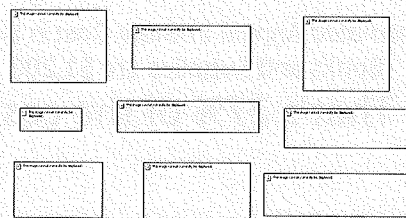


See [www.oercommons.org](http://www.oercommons.org) for more information.



## Where to find open textbooks

Repositories & Listing Sites



MERLOT  
Open Resource Library

Affordable Learning Solutions

OER  
COMMONS

COOL4Ed  
California  
Open Online  
Library for  
Education



The Orange Grove  
Florida's Digital Repository

CONNECTIONS

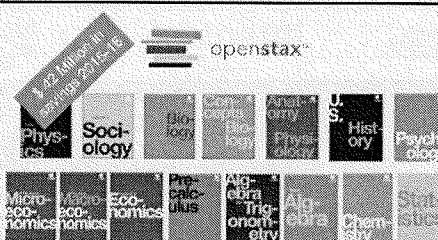
MIT OPENCOURSEWARE  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ACADEMIC EARTH

Sofia  
Source of Free Intellectual Assets

TED  
Ideas worth spreading

KHAN ACADEMY



Foundation funded, peer reviewed open textbooks  
for top 25 courses. Ancillaries available.

<http://openstax.org/subjects>



**22%** of degree-granting institutions in the U.S. are using at least one OpenStax book

As of Spring 2018, OpenStax internal statistics based on faculty reporting



## Steps to Adopt Open Educational Resources

- Discover & Select
- **Adopt & Use**
- Grow & Sustain



See Major Statistics Reported by Spring 2018

Photo: Michael W. Turner via Shutterstock



## Adopt and Use

- Who needs to know?
- What are the deadlines?
- How will students access?
- Is funding available?



bookshelf photo: CC-BY/NC-SA

Photo by Shutterstock/Open to the world via Shutterstock



## Work with Your Stakeholders

- What is the process and timing?
  - Department Head
  - Bookstore
  - Librarians
  - Students



## Steps to Adopt Open Educational Resources

- Discover & Select
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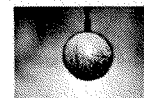
San Miguel state creative commons licensed by jerry 4/16/2017

Photo: Shutterstock/Steve Huxley



## Plan for Success

- Form the team
- Establish the goal
- Build awareness
- Professional development
- Student engagement
- Align with other college initiatives



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### Hurdles to OER Adoption

- Can be a challenge to find the right OER
- Not everyone trusts free resources
- Quality is top issue
- Institutional processes aren't always flexible
- More work initially to adopt and set up



### Faculty Options

- Use as main textbook (*as is or adapted*)
- Use as a supplemental textbook
- Just use a few select chapters
- Just use example problems/illustrations
- Just use questions/exam bank/images

*One "size" does not have to fit all!*



### Student Options

- Just view online
- Download etextbook
- Purchase a hardcopy
- Print on Demand select pages

*One "size" does not have to fit all!*



### Broward Faculty Options

- Goal: Commissioned OER Online Course
- Create Content
- Curate Content
- Digital Courseware Providers: Lumen Learning, OpenStax, Knewton, etc.
- Any combination of the above



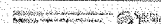
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### 3 – 2 – 1 Activity

3-2-1 Activity	
3	What three things you learned from this chapter?
2	What two things you want to learn more about?
1	What one thing you can't wait to share with a friend?



### 3 – 2 – 1 Activity

- List **THREE** things you learned today

3

### 3 – 2 – 1 Activity

- List **TWO** things you would like to know more about

2

### 3 – 2 – 1 Activity

- List **ONE** thing you can't wait to share with someone at your institution

1

## How to Institutionalize



OPEN EDUCATIONAL RESOURCES

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### OpenStax and SFSC OER Institutional Partnership 2016

- One of 13 institutions selected nationally (42 applied)
- Year-long effort to collaborate and promote OER at our institutions
- OER Strategic Plan implementation

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### OpenStax OER Institutional Partnership

- |                                      |                               |
|--------------------------------------|-------------------------------|
| • Alamo Colleges                     | • Tulsa Community College     |
| • College of the Canyons             | • University of Arizona       |
| • Lansing Community College          | • University of Connecticut   |
| • Northern Essex Community College   | • Utah State University       |
| • Pasadena City College              | • Washington State University |
| • <b>South Florida State College</b> |                               |

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