

Board of Trustees Agenda Item

Board Meeting Date: 4/5/10

Title of Item: 2010 Report on Open Educational Resources

Background and Analysis:

On December 6, 2004, the Board approved Policy 6141 Public Domain which states: *“The Foothill-De Anza Community College District supports the creation, use, accessibility, and ongoing maintenance of public domain-based learning materials in accordance with established curriculum standards for educational purposes of the District, using the commonly accepted legal definition of public domain materials...The Chancellor will provide periodic reports, not less than annually, to the Board that detail the progress made toward accomplishing the goals delineated by this policy.”*

Adoptions of open textbooks by over a dozen faculty at De Anza College and Foothill College have resulted significant savings for students each quarter. In January 2010, the California Community Colleges System Office authorized Foothill College to manage the OER Center for California to provide community colleges around the state with the information, methods, and instructional materials to establish open education resources centers on their campuses, as mandated by A.B. 2261. The Community College Open Textbook Collaborative is a two-year, \$1.5 million grant-funded project managed by Foothill College to provide training for faculty to adopt open resources, peer reviews of open textbooks, an online professional network, support for authors opening their resources, and other services. In 2007, the Foothill-De Anza Community College District launched the Community College Consortium for Open Educational Resources which has grown to a current membership of over 150 colleges.

Recommendation: Information

Submitted by: Judy Baker, x7749

Additional contact names: Judy Miner

Is backup provided? Yes

Board of Trustees Presentation



Foothill College



De Anza College

2010 Report on Open Educational Resources

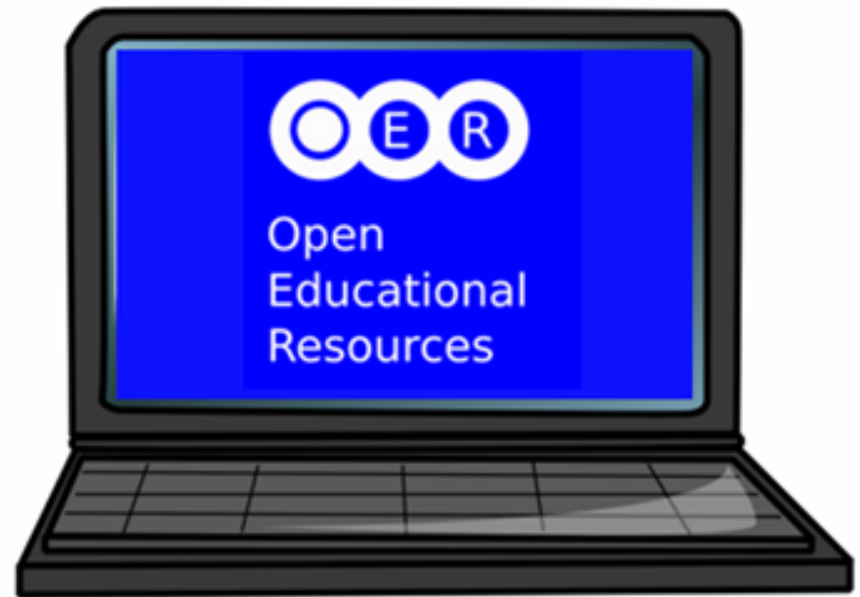
Board Policy 6141 Public Domain

Dr. Judy Baker
March 2010



Open Educational Resources

- OER at FHDA
- OER Center for CA
- Community College Consortium for OER
- Community College Open Textbook Collaborative



OER at Foothill-De Anza CCD

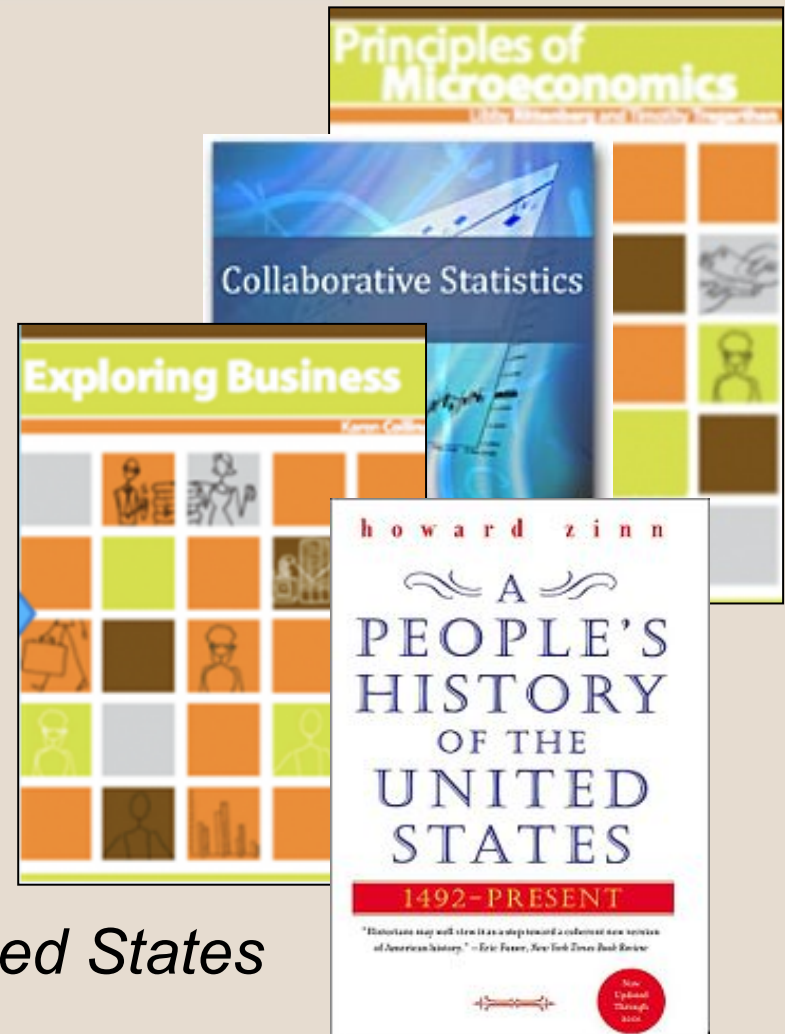
Open Textbook Adoptions

■ De Anza College

- *Collaborative Statistics*
- *Applied Finite Mathematics*
- *Exploring Business*

■ Foothill College

- *Principles of Microeconomics*
- *A People's History of the United States*



De Anza Open Textbook

■ *Collaborative Statistics*

■ by Barbara Illowsky
and Susan Dean

■ Long-term effort by authors
to make their statistics
textbook more affordable

■ Available at Connexions

<http://cnx.org/content/col10522/latest/>



Online: **Free**
PDF/Word: **Free**
Printed copy: **\$31.98**



De Anza College Adopters of *Collaborative Statistics*

Fall 2008 – Winter 2010

- | | |
|-----------------------|-------------------|
| ■ Yatman Au Young | ■ Renuka Kapur |
| ■ Nadia Bensidi | ■ Charles Klein |
| ■ Roberta Bloom | ■ Lorraine Moen |
| ■ Lenore Desillets | ■ Lisa Markus |
| ■ Harmon Dhaliwal | ■ Diane Mathios |
| ■ Janice Hector | ■ Kathryn Plum |
| ■ Barbara Illowsky | ■ Rupinder Sekhon |
| ■ Vladimir Logvenenko | ■ Frank Snow |

Estimated savings of **\$70,700** for De Anza students each quarter

Adoptions of *Collaborative Statistics*

By 50 instructors from 29 colleges, universities, & high schools since Fall 2008

- Arkansas Tech University
- Berkshire Community College
- Borough of Manhattan CC
- Cabrillo College
- College of the Canyons
- Converse College
- CSU Dominguez Hills
- De Anza College
- Eastern Michigan University
- Emory University
- Frederick Community College
- Green Mountain College
- Howard University
- Lake Tahoe Community College
- Los Rios
- Massasoit Community College
- Rushford-Peterson High School
- Sacramento City College
- San Diego Mesa College
- San Francisco State University
- Santa Rosa Junior College
- Syracuse University
- South Puget Sound CC
- St. Mary's Collegiate & Voc. Institute
- SUNY Purchase
- University of Colorado
- University of Toledo
- Virginia Tech University



FOOTHILL-DE ANZA
Community College District

Collaborative Statistics at CNX



	Total Views	Avg. Views per Day
Apr 2008 – March 2010	102,878	151
One Week in February	3,178	454

De Anza College Open Textbook Adoption

- Math instructor, Rupinder Sekhon
- Adopted his own *Applied Finite Mathematics* open textbook
- Traditional = \$120 vs. Open = \$20 printed (\$0 online)
- Represents \$100 potential savings for each De Anza College student
- **Estimated Student Savings** = 210 students (6 sections) x \$100 = **\$2,100 per qtr**

[Home](#)[Content](#)[About Us](#)[Help](#)[MyCNX](#)

You are here: [Home](#) » [Content](#) » Applied Finite Mathematics

CONTENT ACTIONS

 [Download PDF/ZIP ...](#) ▲

- [Collection PDF](#)
- [Collection multimedia ZIP \(?\)](#)


 [Add to ...](#) ▼ [E-mail the author](#) [Print this Web page](#)

TABLE OF CONTENTS ▼

Applied Finite Mathematics

Collection by: [Rupinder Sekhon](#)

Start »

Summary: This module contains all 10 chapters of the Applied Finite Mathematics open textbook by Rupinder Sekhon. NOTE:
You can download individual chapter files from their respective modules.

This collection contains:

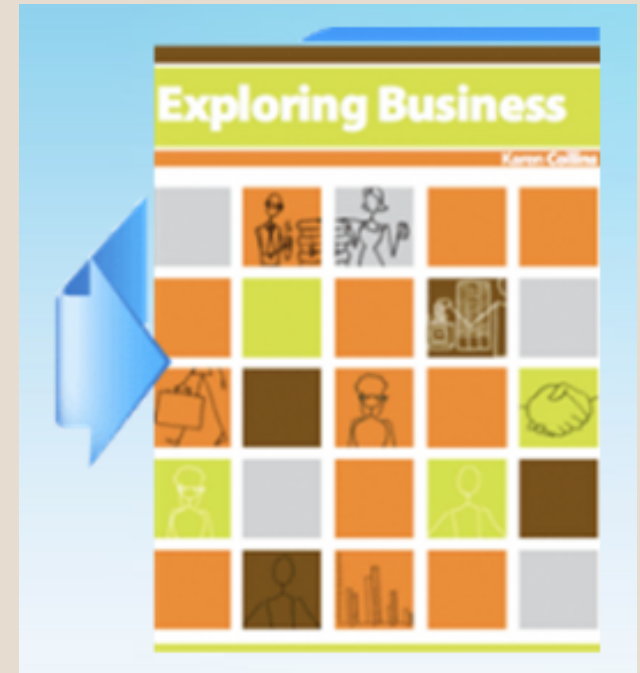
Modules by: [Rupinder Sekhon](#)

De Anza College

Open Textbook Adoption

■ Exploring Business

- Required for BUS 010:
Intro to Business
- Richard Brien & Jack Lynch,
Business instructors



■ Costs

- Traditional = \$150 vs. Open = \$29.95 printed (\$0 online)
- Savings = 70 students x \$120 = **\$8,400 per quarter**

Foothill College

Open Textbook Adoption

■ Principles of Microeconomics

- Recommended text for ECON 001B

■ Brian Evans, Economics instructor

■ Cost

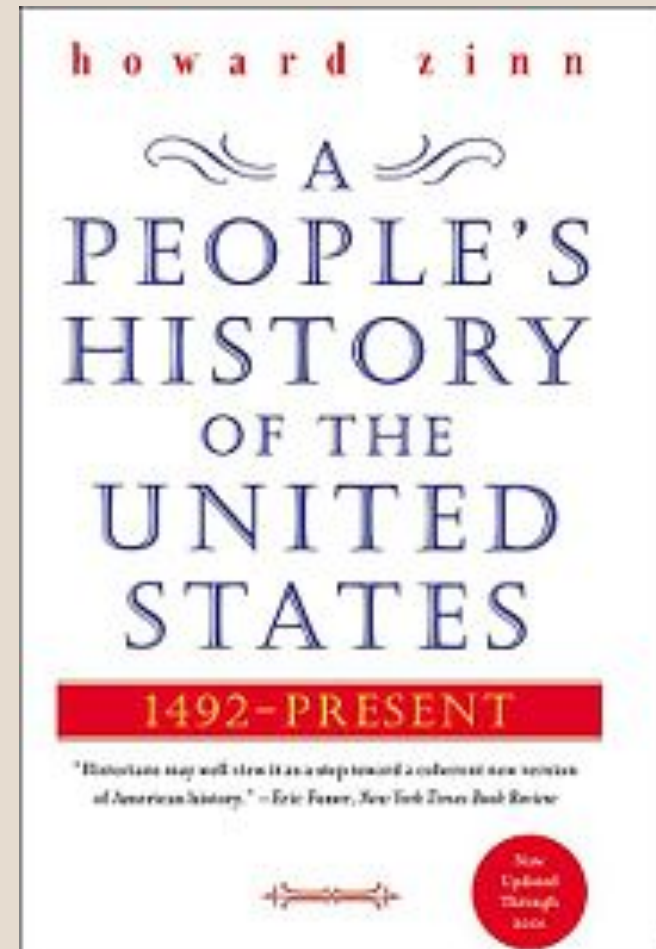
- Traditional = \$115 vs. Open = \$30 printed (\$0 online)
- Savings = 70 students (2 sections) x \$85 = **\$5,950 per quarter**



Foothill College

Open Textbook Adoption

- Recommended text for
ENG 48B:
American Literature
in the Gilded Age
- Scott Lankford,
English instructor



Potential Barriers to Open Textbook Adoption

- Time and effort of switching to a new textbook
- Concerns about quality
- Lack of test bank for most open textbooks
- No complimentary printed and bound copy provided to faculty
- Disruption to usual campus bookstore procedures



OER Center for CA

- Authorized by
Assembly Bill 2261



CALIFORNIA COMMUNITY COLLEGES
CHANCELLOR'S OFFICE

- The California Community Colleges Board of Governors established the center as a statewide pilot program
 - January 2010 through December 2012
- ***"Foothill College was selected to establish the Center because it has already done groundbreaking work in this area and is in the best position to make this a success for California"*** ~ California Community Colleges Chancellor Jack Scott

Open Educational Resources Center for California

Learn to share ... share to learn

[Home](#) | [People](#) | [Forum](#) | [Goals](#) | [OER Training](#) | [Open Textbooks](#) | [Open Textbook Adoption](#)

Find



Search for open textbooks:

- [CK-12](#)
- [Community College Open Textbook Collaborative](#)
- [Flat World Knowledge](#)
- [Free Digital Textbook Initiative](#)
- [OER Commons](#)
- [Orange Grove Text Plus](#)
- [Wikibooks](#)

About



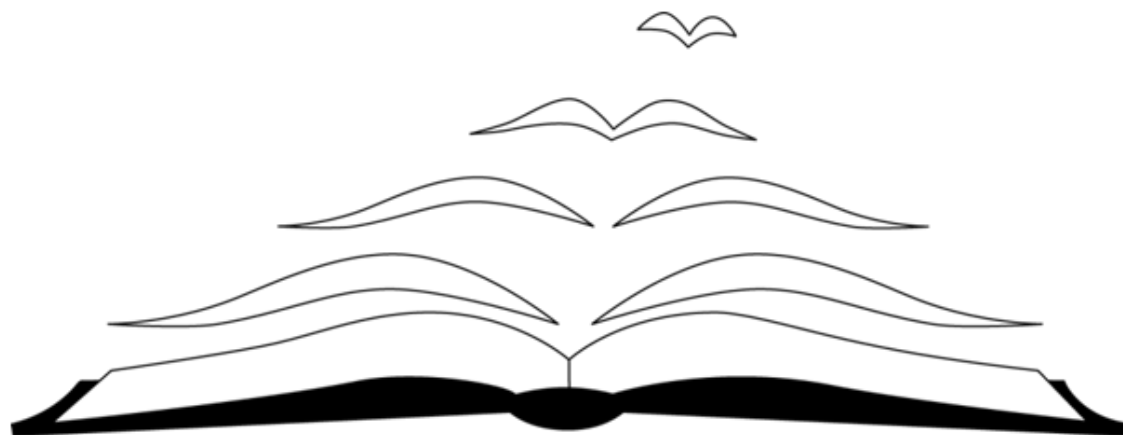
THE CHRONICLE
of Higher Education

**WIRED
CAMPUS**

<http://grou.ps/oercenter>

The OER Center for California provides support for community college educators to find, create, remix, use, and share openly licensed learning content. Together, as knowledge workers, we can learn to share...and share to learn.

To provide a structure by which community college faculty and staff in California can locate, scrutinize and customize open educational resources for creating high-quality, free course materials and textbooks for California community college students



Community College Consortium for Open Educational Resources

Joint effort to develop and use open
educational resources and open textbooks
in community college courses

oerconsortium.org

Community College Consortium for OER

■ Launched July 2007

■ Goal

- To identify, create and/or repurpose existing OER as Open Textbooks and make them available for use by community college students and faculty



■ Objective

- Seeking the support of faculty to identify, review, evaluate, and make available high quality, accessible and culturally relevant model Open Textbooks

The Peralta Colleges



Cuyahoga
Community
College



MONROE COMMUNITY COLLEGE



COLLEGE OF THE
CANYONS

SANTA FE COMMUNITY COLLEGE

STATE CENTER COMMUNITY COLLEGE DISTRICT
FRESNO • REEDLEY • CLOVIS • MADERA • OAKHURST • WILLOW INTERNATIONAL

Anne Arundel Community College



Sinclair
Community
College



LOS RIOS Community College District



Long Beach City College



welcome to
DIABLO VALLEY COLLEGE



150+ colleges
from AZ, CA, FL,
GA, IA, ID, KY,
MD, MN, NE, NV,
NY, OH, TX,
WVa, WA,
Ontario

SANTA BARBARA CITY COLLEGE



FOOTHILL-DE ANZA
Community College District



Mission College
Santa Clara, California

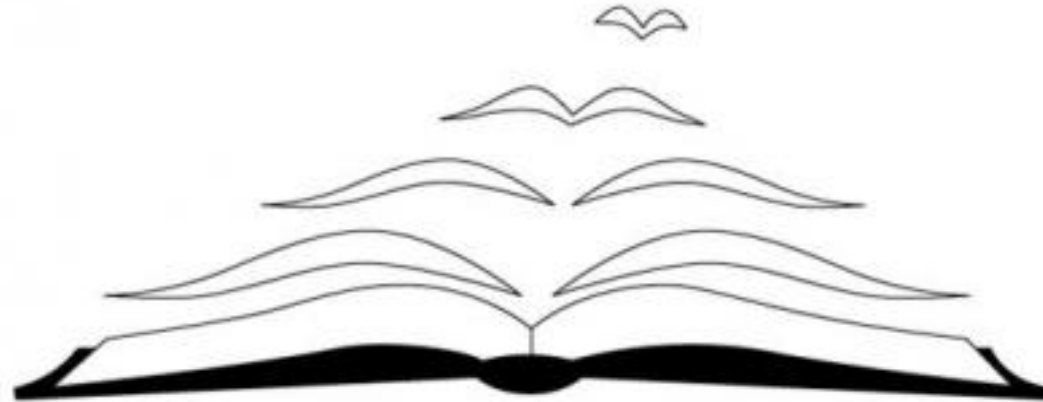
MT.SAC! Mt. San Antonio College

CALIFORNIA COMMUNITY COLLEGES
SYSTEM OFFICE



FOOTHILL-DE ANZA
Community College District

Website oerconsortium.org



Community College Consortium for Open Educational Resources

Shared Knowledge

When educators pool their expertise to create a culture of shared knowledge, everyone benefits. Use of open textbooks can lower educational costs for students. Become involved with the open educational resources (OER) movement so that doors to higher education stay open to all.

The **Community College Consortium for Open Educational Resources (CCCOER)** is a joint effort by the Foothill-De Anza Community College District, the League for Innovation in the Community College and many other

Information



- About
- Announcements
- Campus Promo Kit
- Directory of OER Faculty
- FAQs
- Media Kit
- Meetings



Community College Open Textbook Collaborative

Setting Knowledge Free

- William and Flora Hewlett Foundation grant
- \$1.5 million, July 2009 – July 2011
- 450+ open textbooks identified
- Train-the-Trainer workshops
 - Maryland
 - Florida
 - Georgia
 - Texas
 - California
 - Washington
- 50+ Peer-reviews of open textbooks

THE WILLIAM AND FLORA
HEWLETT
FOUNDATION

Community College Open Textbook Project

Free to Learn

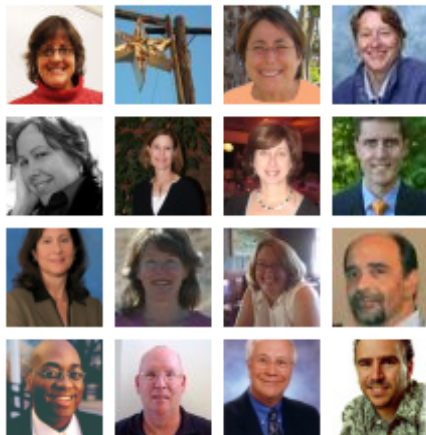


[Main](#) [Invite](#) [My Page](#) [Adopt](#) [Review](#) [Blogs](#) [Photos](#) [Manage](#)

A site for stakeholders and participants of the Community College Open Textbook Project

Members

[Edit](#)



[+ Invite More](#)

[View All](#)

Community College Open Textbook Project (CCOTP)

[Edit](#)

Welcome to the networking space for the CCOTP. Feel free to browse, comment, opine and contribute in any way you like. Help get going with open textbooks!

Forum

[Edit](#)

[Review of Open Textbook: Collaborative Statistics](#)

Opportunity for faculty to share and discuss their reviews of Collaborative Statistics for adoption in community college courses.
3 discussions

[Welcome and Get Acquainted](#)

Greetings to new Project members. A chance for Project members to get to know a bit about each other. Introduce yourself.
3 discussions

[Recommend an Open Textbook for Review](#)

Submit your suggestions for open textbooks to be considered for review by the Project.
2 discussions

Judy Baker

[Sign Out](#)

[Inbox](#)

[Alerts](#)

[Friends – Invite](#)

[Settings](#)

[Quick Add...](#)

[Edit](#)

[About CCOT Project](#)

[Community College Consortium for Open Educational Resources.](#)

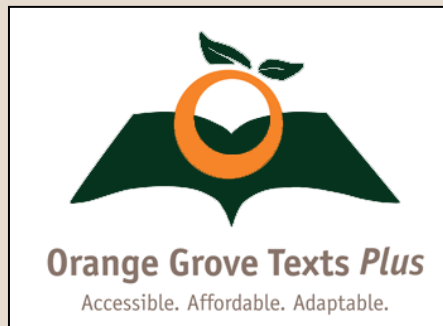
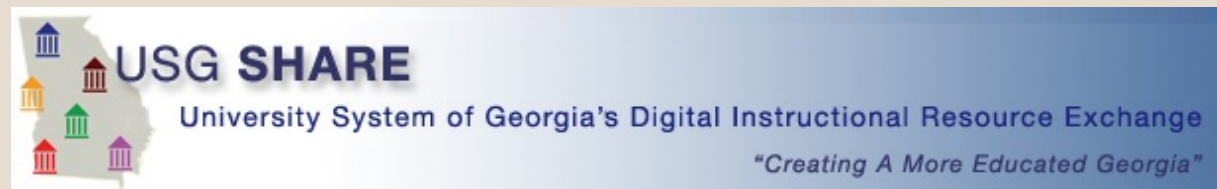
OER BLOGS

<http://collegeopentextbooks.ning.com>

Over 400 members

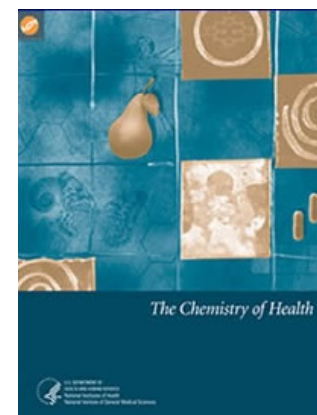
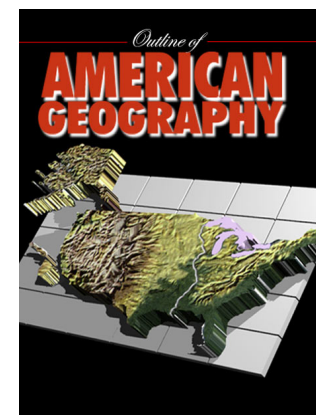
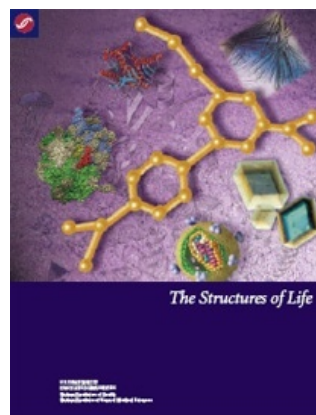
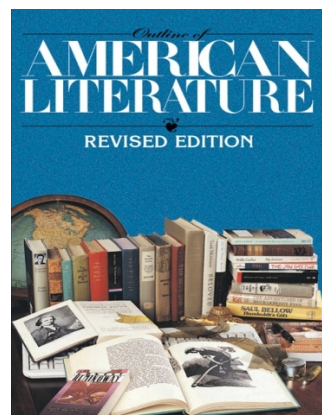
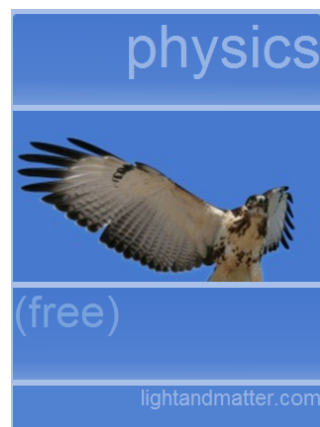
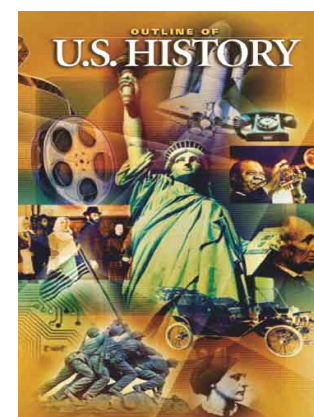
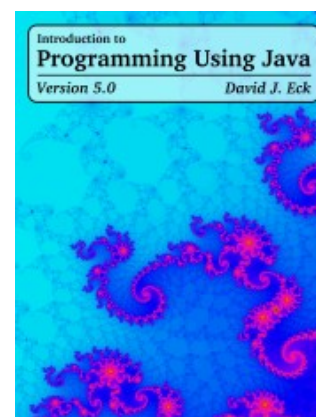
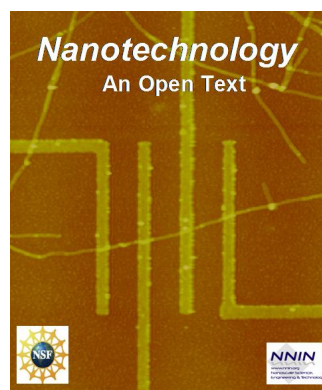
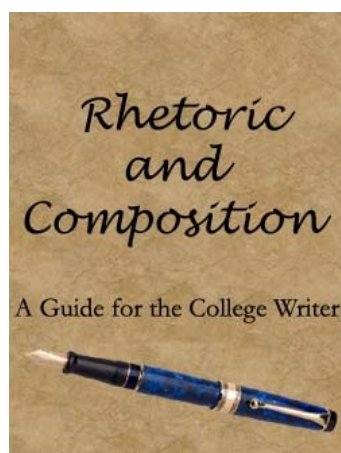
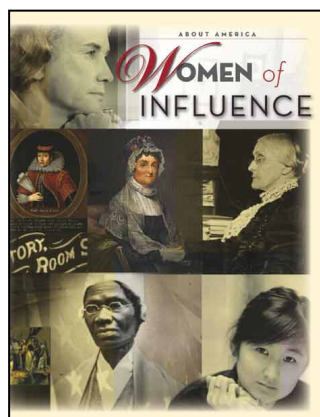
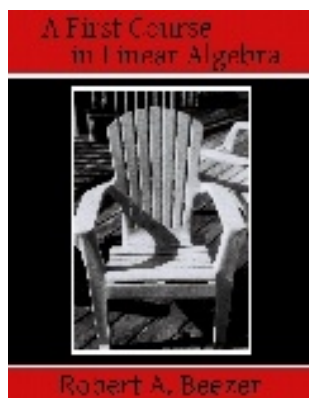


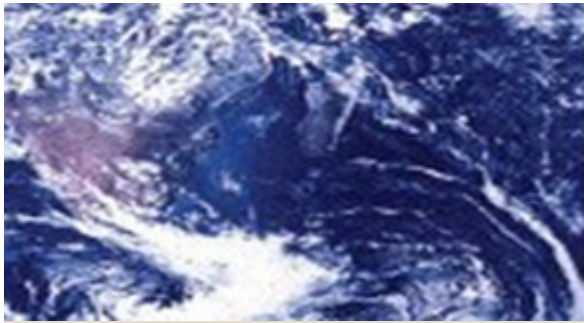
Project Partners



Open Textbooks

Over 450 open textbooks identified,
catalogued, and listed on OER Consortium
site and in MERLOT Collection





The International Review of Research in Open and Distance Learning

A refereed e-journal to advance research, theory and best
practice in open and distance learning worldwide

Open Textbook Proof-of-Concept via Connexions

by Judy Baker, Joel Thierstein, Kathi Fletcher,
Manpreet Kaur, and Jonathan Emmons

Vol 10, No 5 (2009)

<http://www.irrodl.org/index.php/irrodl/article/view/633>



Community College Open Textbook Collaborative

- Plans underway to install 10 – 20 new open textbooks in Connexions by summer of 2011
 - Suitable for use in highest-enrolled community college courses
 - Accessible to students with disabilities
 - Peer-reviewed for quality
 - Print on demand option



Subjects of New Open Textbooks

- Accounting
- Biology
- Chemistry
- Criminal Justice
- Economics
- English
- Green Tech

- History
- Mathematics
- Spanish I
- Speech
- Sociology
- Statistics



Next Steps

- Survey of faculty
- Identification of campus OER advocates
- Building faculty engagement & investment
- Training
- Identifying discipline experts as open textbook reviewers and/or developers

Kenneth Ransom,, 2000. Pics4Learning



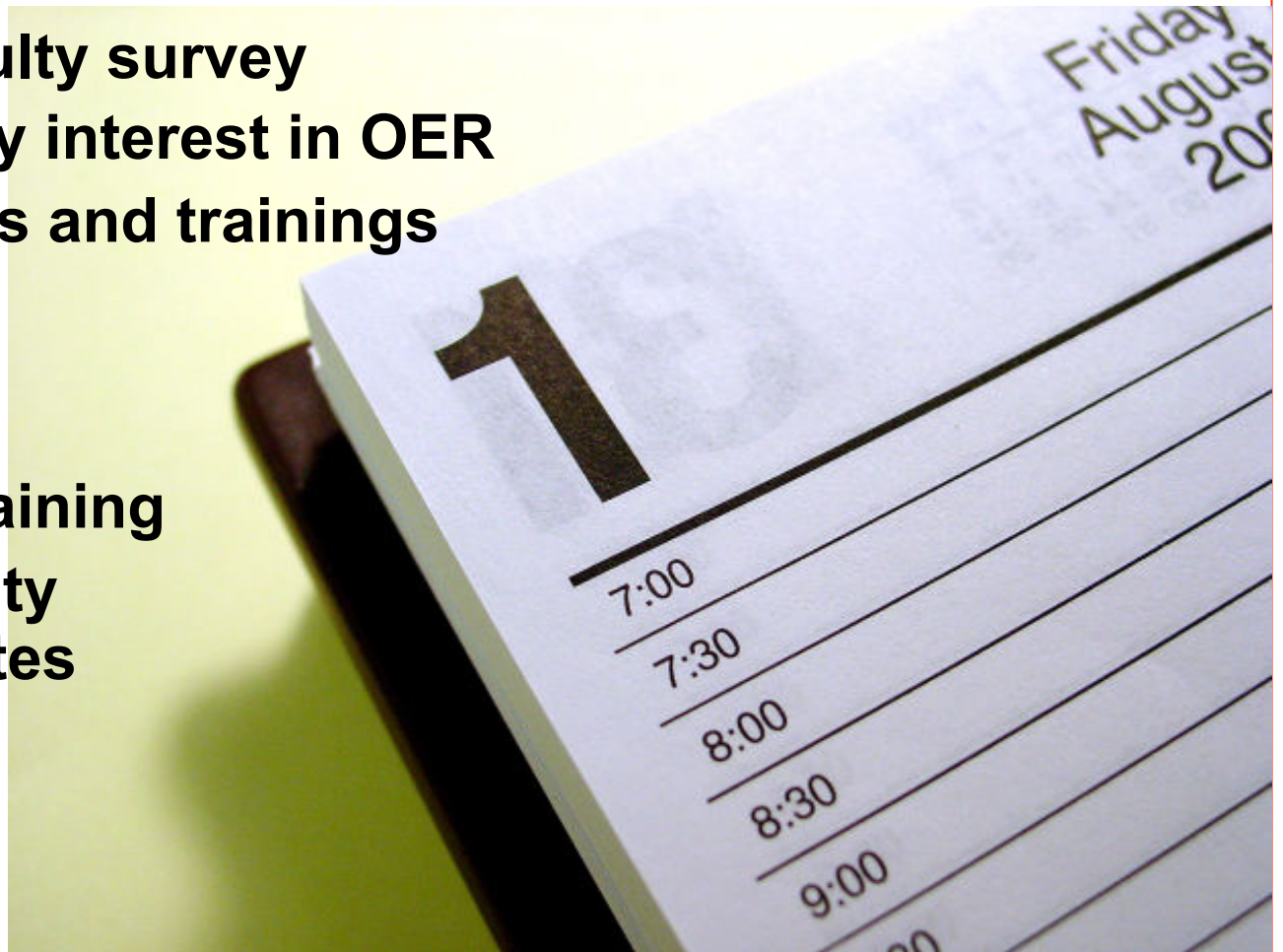
Timeline to Success

■ Spring 2010

- Conduct faculty survey
- Foster faculty interest in OER
- Presentations and trainings

■ Fall 2010

- Offer OER training
- Identify faculty OER advocates



Measures of Success

Outcomes by 2011

- Increased number of:
 - Faculty at FHDA trained in OER use and development
 - Open Textbooks used by faculty at FHDA
 - Open Textbooks developed by faculty at FHDA



OER Sites

■ OER Center for California

■ <http://grou.ps/oercenter>

■ Community College Consortium for Open Educational Resources

■ <http://oerconsortium.org>

■ Community College Open Textbook Collaborative

■ <http://collegeopentextbooks.org>

■ Community College Open Textbook Network

■ <http://collegeopentextbooks.ning.com>



Contact Info

■ Judy Baker

- Dean of Foothill Global Access
- Executive Director of Community College Open Textbook Collaborative
- Executive Director of Community College Collaborative for OER
- Director of OER Center for California
- bakerjudy@foothill.edu
- 650-949-7749

■ Jacky Hood

- Director of Community College Open Textbook Collaborative
- Director of Community College Collaborative for OER
- hoodjackylene@fhda.edu
- 650-949-7091