

Open For Learning: Redesigning Courses for Student Success

Gerry Hanley, Ph.D.

Assistant Vice Chancellor, Academic Technology Services

Executive Director, MERLOT

California State University, Office of the Chancellor

April 5, 2016

AGENDA:

- **Why Open Educational Resources can be an important part of the your strategy for student success in CA & LA**
- **How we're making it work in CA**
- **How LA can leverage CSU's initiatives very cost-effectively**

- **23 campuses**
- **460,000 students**
- **45,000 faculty & staff**
- **The CSU confers over 100,000 degrees annually**
- **One of the most affordable universities in the U.S.**



Why is the affordability of course materials so important?

Begin with what is affordable for students, not what the books cost

- 365,000 CSU Students received aid (80% of all students) in 2014-15
- Students on State University Grants
 - 95% have Expected Family Contributions less than \$4,000 and average Cost of Attendance at the CSU is estimated at \$23,700 (on or off campus)
 - Average income for independent students (about 1/3 of the students) is \$12,115

- About **10%** of students in the Cal State University system experience **homelessness** and another **23%** of the students **worry about hunger** according to a preliminary [CSU study](#) (2015).

<https://www.calstate.edu/AcadAff/foodsecurity.shtml>

What Happens When Students Can Afford The Textbooks?

Florida students' responses to costs (2012)

- Not purchase the textbook (64%)
- Take fewer courses (49%)
- Withdraw from a course (21%)
- Fail a course (17%)

Is Louisiana trying to:

- Improve Graduation Rates?
- Close the Achievement Gap?



**WHAT CAN WE DO TO
HELP OUR STUDENTS,
THEIR FAMILIES, AND
OUR CAMPUS
COMMUNITIES?**

**GIVE A GIFT
AND
NOT A BURDEN**



COOL4Ed
California
Open Online
Library for
Education






LET'S TAKE A WEB TOUR OF
WWW.COOL4ED.ORG

COOL4Ed Focuses on 50 Courses Across 3 Systems

Course Showcase

The [California Open Education Resources Council](#), a collaboration among UC, CSU and CCC faculty, is facilitating the peer review of open textbooks which are showcased in the California Open Source Digital Library (COOL4Ed).

The COOL4Ed Course Showcase will be continually updated during the duration of this project (2014 – 2016), and it will eventually reflect approximately 50 courses and a number of peer reviewed open textbooks for each course.

	CID Number	Course	Course Description and Adoption Information
	ACCT 110	Financial Accounting	General Course Description and Recommended Free eTextbooks Faculty Reviews of Free eTextbooks Recommend eTextbooks
	BUS 101	Introduction to Business	General Course Description and Recommended Free eTextbooks Faculty Reviews of Free eTextbooks Recommend eTextbooks
	BIO 110B, 120B, 115S	Human Anatomy and Physiology	General Course Description and Recommended Free eTextbooks Faculty Reviews of Free eTextbooks Faculty Showcase for Using Free eTextbooks Recommend eTextbooks

MERLOT Stores Course ePortfolios

▼ COURSE ePORTFOLIO: FINANCIAL ACCOUNTING

Course ePortfolio Description:



This collection contains the California Open Educational Resources Council (CA OER) list of peer-reviewed textbooks for Financial Accounting (common course-id ACCT 110), a top 50 college course identified for inclusion in the California Open Online Library for Education (COOLforEd).

CID Number: ACCT 110

Course:

General Course Description: ACCT 110

This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. Includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics.

Minimum Units: 3.0

Date Added to MERLOT: October 02, 2014

Created by: [California Open Education Resource Council CA OER](#)

▶ PREREQUISITES

Textbooks Linked to Courses

MERLOT provides easy access to the free and open textbooks associated with the course

▶ PREREQUISITES

▶ PEDAGOGICAL APPROACH & LEARNING OUTCOMES

▶ ASSESSMENT & OTHER INFO

▼ COURSE RESOURCES

- 1. [Introduction to Financial Accounting - Second Edit...](#) (Open Textbook)
Based on International Financial Reporting Standards, this textbook was written by Henry... [More](#)
- 2. [Principles of Accounting](#) (Open Textbook)
Walther's textbook covers a range of financial accounting topics related to the accounting... [More](#)
- 3. [Accounting](#) (Open Textbook)
The Boundless Accounting textbook is a college-level, introductory textbook that covers... [More](#)
- 4. [Accounting Principles: A Business Perspective \(Fin...](#) (Open Textbook)
Hermanson, Edwards, and Ivancevich's text Accounting Principles: A Business Perspective... [More](#)
- 5. [Financial Accounting](#) (Open Textbook)
Hoyle and Skender's text is intended for an undergraduate or MBA level Financial... [More](#)



COOL4Ed provide Quality Assurance

eTextbook Reviews

Accounting



ACCT 110

eTextbook

Accounting Principles: A Business Perspective

Boundless Accounting

Financial Accounting

Introduction to Financial Accounting

Principles of Accounting

eTextbook Reviews

Solveg Cooper, CCC Faculty
Sy Pearlman, CSU Faculty
Vincent Turner, CSU Faculty

Solveg Cooper, CCC Faculty
Sy Pearlman, CSU Faculty
Vincent Turner, CSU Faculty

Solveg Cooper, CCC Faculty
Sy Pearlman, CSU Faculty
Vincent Turner, CSU Faculty

Solveg Cooper, CCC Faculty
Sy Pearlman, CSU Faculty
Vincent Turner, CSU Faculty

Solveg Cooper, CCC Faculty
Sy Pearlman, CSU Faculty
Vincent Turner, CSU Faculty



Faculty Review of Open eTextbooks

The [California Open Educational Resources Council](http://www.cool4ed.org) has designed and implemented a faculty review process of the free and open etextbooks showcased within the California Open Online Library for Education (www.cool4ed.org). Faculty from the California Community Colleges, the California State University, and the University of California were invited to review the selected free and open etextboks using a rubric. Faculty received a stipend for their efforts and funding was provided by the State of California, the William and Flora Hewlett Foundation, and the Bill and Melinda Gates Foundation.

Textbook Name:

Principles of Accounting



License:
[Copyright 2015](#)

Find it: [eTextbook Website](#)

Textbook Authors:

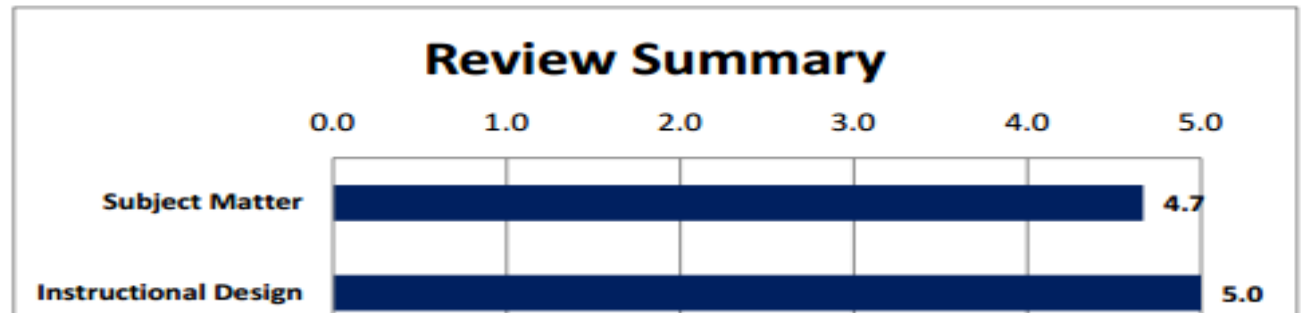
Larry Walther, Ph.D.

Reviewed by:

Vincent Turner







Institution:

California State
Polytechnic
University,
Pomona



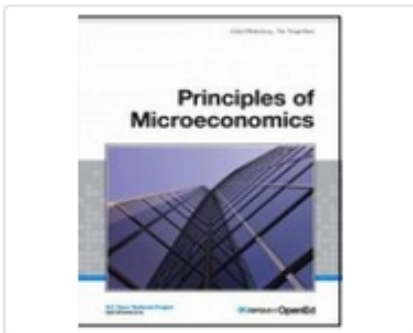
How are faculty using Open Textbooks?

Faculty Showcase

-  Business
-  Education
-  Humanities
-  Mathematics & Statistics
-  Science & Technology
-  Social Science

Business

 Matthew J. Holian from San Jose State University, CA
eTextbook: Principles of Microeconomics by Rittenberg and Tregarthen



Course Description:

Allocation of resources and distribution of income as affected by the workings of the price system and by government policies. Notes: May be taken concurrently or prior to Econ 1A. Meets the general education requirement for social science – human behavior, Area D-1

Quote

"A major motivation for me was certainly the desire to save students money. However I also want to make the material easy to access, for example, by sending students PDF documents to their email and posting sections of the text into emails and so on. So it is not just that the books are free but they are also easy to access."

More Microeconomics
Free and Open eTextbooks

[Learn How I Use This Open Textbook in My Course](#)

 Brian Evans from Foothill College, CA
eTextbook: Principles of Microeconomics by OpenStax College

Teaching ePortfolios: Faculty Use of Free & Open Textbooks



Microeconomics

Common Course ID: ECON 201

CSU Instructor Open Textbook Adoption Portrait

Abstract: This open textbook is being utilized in a microeconomics course for undergraduates students, largely business majors, by Professor Matt Holian, Ph.D at San Jose State University. The open textbook is written in a modular format that breaks down topics into manageable parts starting with a story to motivate the topic and ending with wrap-up and additional problems. A major motivation was to save students money but also to make the material easy to access. Students access the book as a PDF in the form of a course reader.

Reviews: The book has been reviewed by a [CCC](#) faculty member and a [CSU](#) faculty member from within the California higher education systems.

COOLforED is a service of the California State University-MERLOT program.
Partial funding provided by the State of California, the William and Flora Hewlett Foundation,
and the Bill and Melinda Gates Foundation.
Questions? Email cool4ed@cdl.edu

About the Textbook

About the Course

Textbook Adoption

Principles of Microeconomics

Description:

Recognizing that a course in economics may seem daunting to some students, the authors have tried to make the writing clear and engaging. Clarity comes in part from the intuitive presentation style, but also a number of pedagogical features are utilized that make learning economic concepts and principles easier and more enjoyable.



Economics 1B: Principles of Microeconomics

Description:

Allocation of resources and distribution of income as affected by the workings of the price system and by government policies. Notes: May be taken concurrently or prior to Econ 1A. Meets the general education requirement for social science – human behavior, Area D-1.

Prerequisite: None

CE Credit: 4 units, degree applicable



SAN JOSÉ STATE UNIVERSITY

OER Adoption Process

A major motivation for me was certainly the desire to save students money. However, I also want to make the material easy to access, i.e., by sending students PDF documents, or by copying and pasting sections of the text into emails and so on. It is not just that the books are free, but they are also easy to access.

Student Access:

Students can access the textbook in a number of formats, including HTML, PDF or in print. I encourage students to

Browsing the Open Library

FREE and OPEN eTextbooks in the MERLOT collection:



Arts



Business



Education



Humanities



Mathematics and Statistics



Science and Technology



Social Sciences



Academic Support Services

FREE and OPEN eTextbooks with a Creative Commons License:



Arts



Business



Education



Humanities



Mathematics and Statistics



Science and Technology



Social Sciences



Academic Support Services

Review the list of available resources

- Leverages the MERLOT open library
- 785 free digital textbooks in Business
- 64 free digital textbooks in Accounting

Refine Your Search:

Materials 1 - 10 shown of 785 results

Sort by: Overall Rating ▼ Sort

▼ Materials

▼ Categories

[Accounting \(64\)](#)

[Business Law \(16\)](#)

[Corporate Social
Responsibility \(1\)](#)

[E-Commerce \(11\)](#)

[Economics \(156\)](#)

[Finance \(92\)](#)

[General \(51\)](#)

[Information Systems \(32\)](#)

[International Business \(29\)](#)

[Management \(220\)](#)

[Marketing \(95\)](#)

[eMarketing: The Essential Guide to Online Marketing](#)

[Merge]

All the key terms and concepts for a solid foundation. Real life case studies showcasing eMarketing in action.

Material Type: Open Textbook

Author: Rob Stokes

Date Added: Aug 24, 2008 **Date Modified:** Jul 23, 2015

Already in your Bookmark Collection(s) ▼

 [Bookmark this material](#) ▼

About this material:

Peer Reviews ★★★★★

User Rating ★★★★★

[Discussion](#) (3 Comments)

In (7) [Bookmark Collections](#)


In (9) [Course ePortfolios](#)

Learning Exercises (none)

[Accessibility Info](#) (1)

[Introduction to Social Networking Methods](#)

[Merge]

 [Bookmark this material](#) ▼

About this material:

Focus on Your Priorities

- Explore the 64 free digital textbooks in Accounting- some are websites and some are downloadable

MERLOT II Multimedia Educational Resource for Learning and Online Teaching

Hi Gerry Hanley | Help

Home Search Communities My MERLOT Partner Benefits Add to Collection Create Materials News & Info About MERLOT

Search MERLOT: Search Terms Search

[Search](#) > [Material Results](#) > [Business](#) > [Accounting](#) Materials Search: Search

Refine Your Search: Sort by: Overall Rating Sort

Materials 1 - 10 shown of 64 results

Materials

▼ **Categories**

- [Accounting Information Systems \(1\)](#)
- [Financial \(12\)](#)
- [International \(1\)](#)
- [Introductory \(27\)](#)
- [Managerial \(19\)](#)

▶ **Material Types**

▶ **Mobile Filters**

▶ **Other Filters**

▶ **Members**

▶ **Learning Exercises**

▶ **Comments**

Principles of Accounting

[Merge]
This principles of accounting website provides a free comprehensive textbook and learning center. Both financial accounting... see more

Material Type: Open Textbook
Author: Larry Walther
Date Added: Dec 26, 2009 **Date Modified:** Jul 30, 2015

Already in your Bookmark Collection(s) ▼

Accounting Principles: A Business Perspective (Managerial)

[Merge]
This is a free, online textbook offered by the Global Text Project at University of Georgia. "The Global Text Project's... see more

Material Type: Open Textbook

Bookmark this material ▼

About this material:

[Peer Reviews](#) ★★★★★
User Rating (not rated)
Discussion (none)
In (6) [Bookmark Collections](#)
In (1) [Course ePortfolios](#)
Learning Exercises (none)
Accessibility Info (none)

Bookmark this material ▼

About this material:

[Peer Reviews](#) ★★★★★
User Rating (not rated)
[Discussion](#) (1 Comment)

Review the Resource

- MERLOT provides reviews, comments, and applications

PRINCIPLES OF ACCOUNTING



This principles of accounting website provides a free comprehensive textbook and learning center. Both financial accounting and managerial accounting topics are covered. Interactive formative assessments are included along with downloadable problems and exercises in Excel and pdf formats. Educators wishing to use these books as the primary or secondary sources of content in their curriculum must obtain written permission from Dr. Walthers.

[Go to material](#)



[Discuss this Material](#)


Material Type: [Open Textbook](#)

Technical Format: HTML/Text

Date Added to MERLOT: December 26, 2009

Date Modified in MERLOT: July 30, 2015

Author:

Larry Walther 

Utah State University

QUALITY

Peer Reviews: ★★★★★

User Rating (not rated)

Comments (none)

Learning Exercises (none)

[Bookmark Collections](#) (6)

[Course ePortfolios](#) (1)

Accessibility Info (none)

[Rate this material](#)

[Create a learning exercise](#)

[Add accessibility information](#)



[Bookmark this material](#) ▼

[Material Workspace](#) **WS**

Go to the Resource

Principles of Accounting :

Google™ Custom Search

Search

Accounting Cycle

Current Assets

Long-term Assets

Liabilities/Equities

Using Information

Managerial/Cost

Budgeting/Decisions



principlesofaccounting.com

Supplements

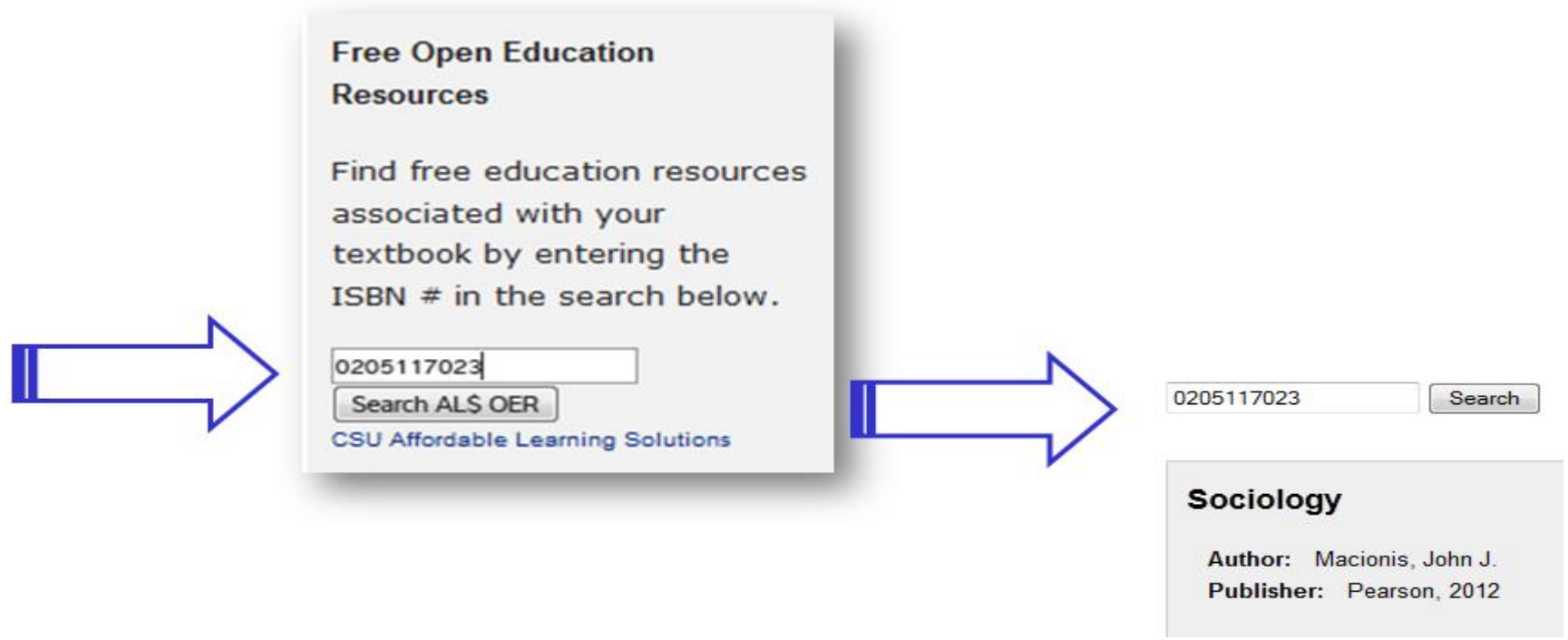
YouTube

Classroom

Bookstore

Finding RELEVANT OER Easier

CSU AL\$ Search Engine



<http://als.csuprojects.org/free-etextbooks>

AL\$ OER Search Results

Home	Free Course Materials	Free Online Courses	Free eTextbooks	Lower Cost Course Materials	Rent Digital eTextbooks	Library Resources	Custom Publishing	Accessibility	ALS Campus Showcases	Deploying Your ALS Initiative
------	-----------------------	---------------------	-----------------	-----------------------------	-------------------------	-------------------	-------------------	---------------	----------------------	-------------------------------

Find FREE/Open Textbooks Related to a Book

Enter ISBN:

Chemistry

Author: Burdge, Julia R.

Publisher: McGraw-Hill, 2012

Related FREE/Open Textbooks

(And there's more to explore once you go to the materials.)

- [CK-12 Chemistry](#)
This is a free, online textbook offered by the CK12 Organization. "CK-12 Chemistry covers Matter, Atomic Structure; The Elements and Their Properties; Stoichiometry; Chemical Kinetics; Physical States of Matter; Thermodynamics; Nuclear Chemistry; and Organic Chemistry."
- [Concept Development Studies in Chemistry](#)
"Concept Development Studies in Chemistry" is an online textbook for an Introductory General Chemistry course, written specifically for use with Socratic teaching or other active learning or interactive teaching styles. Each case study is a development of a major fundamental chemical concept, starting from experimental observations and following scientific reasoning to the development of a model. Each module develops a central concept in Chemistry from experimental observations and inductive reasoning."

Scale Use By Sharing Use


Share Your Uses of Free and Open eTextbooks

MERLOT provides you many ways to share with others how you are using specific Free and Open eTextbooks in your teaching and your students' mobile learning

EASIEST TO DO:



Use MERLOT discussion forum connected to the open textbook to write a comment about how you are using the open textbook.

CONCEPT DEVELOPMENT STUDIES IN CHEMISTRY



"Concept Development Studies in Chemistry" is an online textbook for an Introductory General Chemistry course, written specifically for use with Socratic teaching or other active learning or interactive teaching styles. Each case study is a development of a major fundamental chemical concept, starting from experimental observations and following scientific reasoning to the development of a model. Each module develops a central concept in Chemistry from experimental observations and

inductive... [More](#)

[Go to material](#)   **Discuss this Material**

DISCUSSION

Discussion for Concept Development Studies in Chemistry

Got an idea, question, or debate inspired by this material? Add your comments to the discussion below

Add a new comment

Say something

Time Spent Using this Material:

I Used This in a Course

Get notified by email when your comment is replied to

[Return to Top of Page](#)

EASY TO DO:

Use MERLOT's online Learning Exercise form to share the goals, learning outcomes, teaching strategies, assessment rubrics, and more about how you are using the open textbook. Just type in your text and publish it in MERLOT.

Accessibility

- **CSU-MERLOT rubric for evaluating accessibility of instructional materials to all COOL ebooks**

MERLOT | Partner Benefits | Add to Collection | Create Materials | News & Info | About MERLOT

Add Accessibility Info

For Material: [DNA from the Beginning](#)

Thank you for adding accessibility information for this learning material. If you know the URL for an external Accessibility Evaluation report, you can add it to the form below. This form (which has been developed and is copyrighted by the California State University Office of the Chancellor) contains 14 different categories of information to describe the accessible characteristics of the material. Please complete the fields you have knowledge of about the material. If you want to include more information than what is included in a check box, you can add it in the "Additional Info" box.

URL for external Accessibility Evaluation Report: [test]

Accessibility Policy or Statement of Accessibility Support

- Accessibility policy of organization providing the online materials
- Statement of accessibility support
- Other

Text Access

- Text is available to assistive technology that allows the user to enable text-to-speech (TTS) functionality.
- Ability to adjust the TTS speed and voice/engine selection (or is rendered by an application such as a browser, media player, or reader that offers this functionality).

Paragraph **B** *I* U          

So What's COOL?

- Library of over **3,900** free and open etextbooks
- Library of over **62,000 OER**
- Library of **51 common courses with eportfolios** of topics/learning objectives along with possible free and open etextbooks
- Library of **400+ peer reviews of 150+ etextbooks** by faculty in discipline and from their sister institutions
- Coming Soon! Library of **accessibility reviews** for the free and open etextbooks

Would You Like OOLALA?

Open Online Library for Academics in Louisiana



[HOME](#)

[FIND-](#)

[FACULTY SHOWCASE](#)

[COURSE SHOWCASE](#)

[eTEXTBOOK REVIEWS](#)

[SHARE](#)

The library is one piece of the initiative puzzle

Affordable Learning Solutions Strategy



Enabling Ecosystems

with policies, leadership,
business models

Developing Demand

with communications, training,
professional development

Creating Capabilities

with convenient & affordable access to
content through technologies

Leveraging Content Providers

Publishers--Libraries-- Academic Authors--
Open Education Resources (CSU-MERLOT)

Types of Services	STRATEGIES Creating Capabilities
Communication and Outreach	Sample memo's, emails, posters, and flyers about webinars, programs, purpose, etc.
Training & Professional Development	Provide ongoing services including webinars, "how-to" videos, and regional workshops
Help & Support Services	Enlist support from your reference librarians and campus technology support.
Providing Print Copies	Work with your bookstore. OpenStax has print copies ready. Additional strategies in the works.
Library, Discovery, Curation	Leverage COOL4Ed library; Every campus can create their own Course ePortfolio in MERLOT
Technology Services	Put a link to COOL4Ed in your LMS. MERLOT also has LMS integrations
Campus Coordination/ Leadership	Leverage existing campus leadership. Academic Senate resolution supporting faculty choice of OER. Create a MERLOT Voices online community for support

With CA Legislation, Funding for Campus Programs

Request for Proposals: The California College Textbook Affordability Act of 2015 (AB 798)

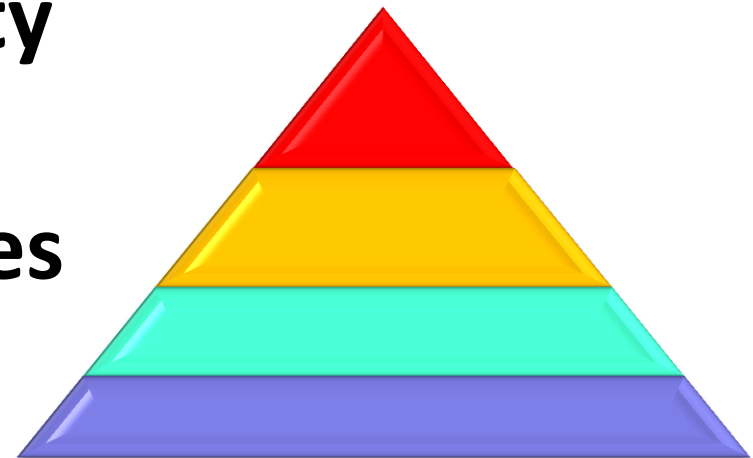
The goal of College Textbook Affordability Act of 2015 (AB 798) is to save college students money by empowering professors and local campuses to adopt high quality, free and open educational resources for courses materials. Assemblywoman Bonilla (sponsor of AB 798) recognized that free and open educational resources can reduce the total cost of education for students and their families in California's higher education institutions.

This Request for Proposals (RFP) provides the guidelines, requirements and processes for campuses to submit proposals for their local textbook affordability programs and receive up to \$50,000 to implement their program and report on the student savings created by their program. More specifically, the RFP provides:

Step 1	Step 2	Step 3	Step 4	LATEST RFP NEWS
<p>Review RFP and Evaluation Rubric</p> <hr/> <p>Review Background Resources</p> <hr/> <p>Review timeline</p> <hr/> <p>Brainstorm / draft goals and implementation plan with your campus stakeholders</p> <hr/> <p>Toolkit #1</p>	<p>Create account in InfoReady See PDF Sample</p> <hr/> <p>Attend informational webinars (Optional)</p> <hr/> <p>Join COOL4Ed Voices to keep up to date on online discussions about AB 798</p> <hr/> <p>Review the Optional Campus Plan Template to inform campus discussions</p>	<p>Campus academic senate approves resolution.</p> <p>Example: Sample AB 798 completed resolutions</p> <hr/> <p>Designate Campus Coordinator</p> <hr/> <p>Campus Coordinator: Assemble your Campus Plan Using the Template</p>	<p>Submit Proposal by June 30, 2016 with the following items:</p> <ul style="list-style-type: none">• Approved Academic Senate Resolution• Implementation Plan• Projected Cost Savings Excel Spreadsheet	<p>The RFP documentation for AB 798 funding applications has been released! Please read through the four steps located to the left of this message to find the relevant RFP information.</p> <hr/> <p>Review the presentations and meeting notes from the AB 798 Informational Conference</p> <hr/> <p>Calendar of Webinars, Office Hours, & Presentations</p> <hr/> <p>Frequently Asked Questions</p>

IF YOU BUILD IT, WILL THEY COME?

**Developing Demand:
How Do We Support Faculty
Wanting to Use Free and
Open Educational Resources**



A red carpet leads from the bottom of the frame towards a stage. The stage is framed by heavy red curtains. On either side of the carpet, there are gold stanchions connected by red ropes, creating a path. The scene is set against a dark background, suggesting a theater or a formal event.

**CSU's Course Redesign
with Technology
Initiative**

Flipping the Anatomical Position: Enhancing Student Understanding and Success in BIOL 208 Human Anatomy via Flipped Lectures and Interactive Laboratories

Kelly A. Young, Ph.D., Professor
Jacqueline Pal, MD, Full Time Lecturer
Tiffany Price, MS, Part Time Lecturer
Kerry Robison, MS, Part Time Lecturer



Department of Biological Sciences, California State University Long Beach

Contact: kelly.young@csulb.edu

Abstract

Human Anatomy (BIOL 208) is a non-majors course with an annual enrollment of 700-800 students. For many of these students, this rigorous class represents the first science course they have taken since high school, and many are not accustomed to the level of rigor anatomy requires. Our restructure is focused on making the course an interactive learning experience. We have removed the hour-long lectures that accompanied the laboratory portion of the class and replaced them with a three part learning system: 1) multiple short videos describing every anatomical part students need to know*, to be watched at home, 2) a readiness assurance quiz each week on both review and new material covered in the videos, but not in class#, and 3) in class interactive laboratory stations where students use critical thinking and inquiry skills to investigate anatomical materials and make key learning connections#. These techniques have decreased the number of D grades and increased student understanding beyond the rote memorization typically associated with anatomy.

Need for Redesign

For many students, this class represents the first science course they have taken since high school. We have found that many are not accustomed to the rigor of a natural science course. We have tried to tailor this course to the needs of upper division courses in Nursing and Kinesiology; therefore, the content coverage is substantial. While many of our students earn strong grades, demonstrating that success in this class is achievable, they often don't engage until after the first exam. Coupling the general lack of student preparation with the large content load demanded by subsequent classes has led us to a situation which is common across human anatomy courses in the United States: a low retention/high failure rate.

Analysis of Obstacles to Learning in BIOL 208

Our analysis for restructure determined that poor grades and low student success correlate with: access to resources (laboratory models and cadavers), amount of material, student preparedness, student motivation, student schedules (school work



Redesign Activities: Anatomy on Demand

Anatomy on Demand is a short video series that describes every structure our students need to learn in the class. Although images are used with permission from various sources, the slides are not provided by a textbook company, we custom make these for our course. We then film a video that blends a verbal explanation of the structure with a camera recording of that professor demonstrating the structures on a 3D model along with the slides. We have kept the videos short on purpose; all are under 15 minutes in length, with most under 7 minutes.

Using Newly-Created Class Time To Engage Students

While the videos often get attention in a

A screenshot of a Panopto video player interface. The browser address bar shows 'csfb.hawaii.edu/panopto.com'. The video title is 'Kelly Young's Folder: BIOL 208 Bones of the Thorax'. The main content area displays a slide titled 'manubrium' with a photograph of a hand holding a piece of anatomical tissue. A table of contents is visible on the left side of the player, listing various anatomical structures and their corresponding video timestamps. The 'manubrium' entry is highlighted in green. A clapperboard icon with the word 'VIDEO' is positioned below the slide.

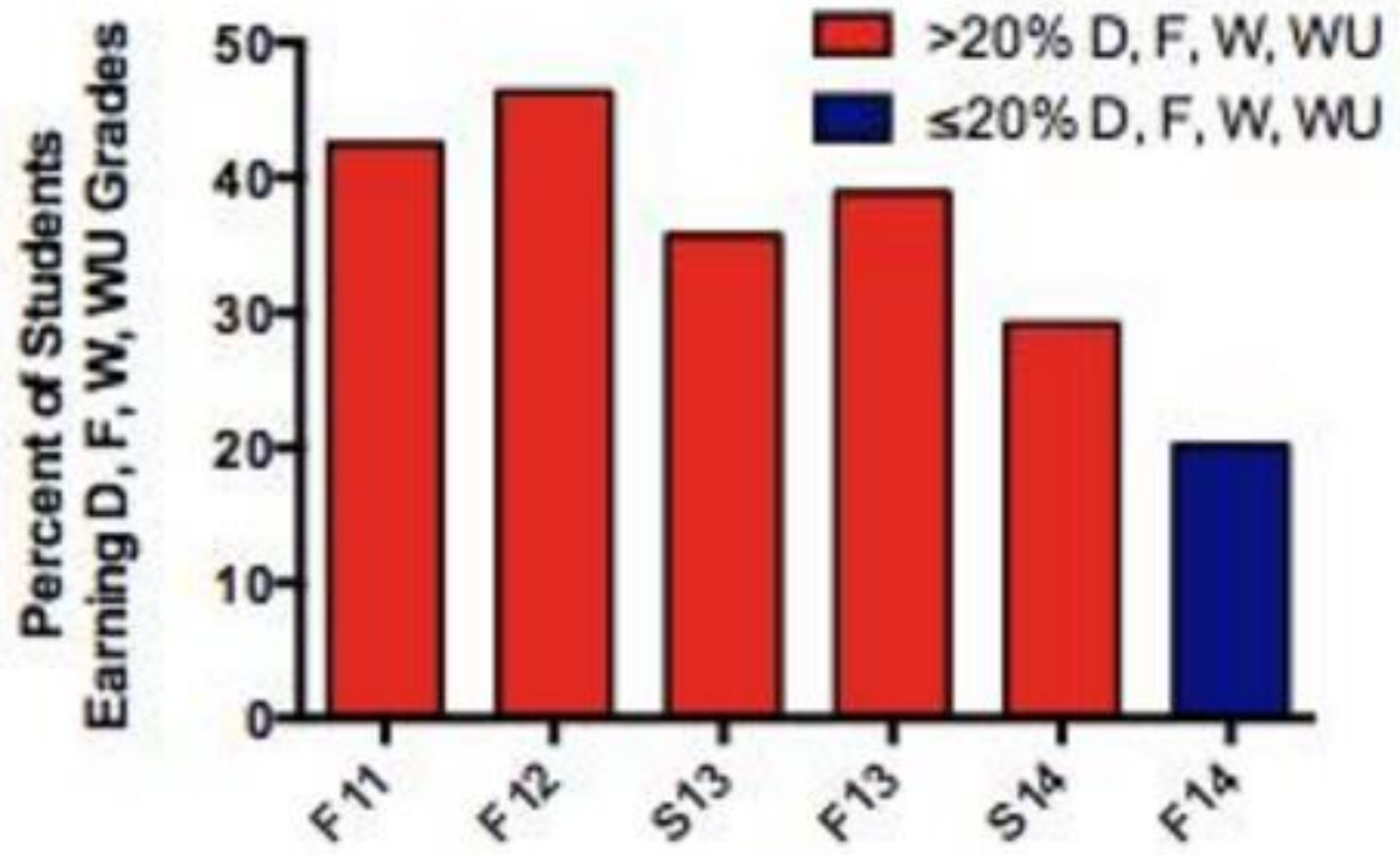
Biol 208 CSULB Anatomy on Demand: Cerebral Blood Supply

This is one of the nearly 100 panopto videos that are part of the BIOL 208 course restructure. Students watch 4-8 short (2-9 min, average 5 min) videos that describe each term that they will need to know in the laboratory before arriving to class. The in-class time can then be spent digging deeper to make the connections needed to solidify what they learned.

[BIOL 208 Anatomy on Demand: Bones of the Thorax](#)

[BIOL 208 Anatomy on Demand: Sinuses Sutures & Fontanelles](#)

[BIOL 208 Anatomy on Demand: Cerebral Blood Supply](#)





Search e-Portfolios:

Jump to Discipline:

Featured

E-PORTFOLIO TITLE ↓	ABSTRACT	AUTHOR ↓	CAMPUS ↓
Understanding the History of World Civilizations through Digital Technology and Team-based Teaching		Ivey, Linda	East Bay
A New Gateway to College Success: Civic Purpose and Active Learning in U.S. History Courses		Ford, Bridget	East Bay
Flipping the Anatomical Position: Enhancing Student Understanding and Success in BIOL 208 Human Anatomy via Flipped Lectures and Interactive Laboratories		Young, Kelly	Long Beach
Improve Time-On-Task and Data Analytics Skills Through Group Projects and Activities in Business Calculus		Chang, Jen-Mei	Long Beach

**Let's
Take a
Web
Tour**

<http://courseredesign.csuprojects.org/wp/eportfolios/>

Give a Gift and Not a Burden

- **Enable faculty to achieve their goals**
 - Helping their students learning up to academic standards
- **Recognize and reward faculty for their efforts**
 - Publish/share their scholarship of teaching and learning with technology
 - Align their time and resources with priorities
- **Help faculty enjoy the work of redesigning their courses for student success**
 - Work with colleagues within a community

Course Redesign with Technology

Proven Course Redesign

Proven Course Redesign is focused on CSU "Lead" faculty sharing their designs of their course where they have accrued evidence of the strategies' success for improving student learning. "Adopting" faculty across the CSU then choose to adopt and adapt that proven strategy in their own courses. All the faculty work within a professional learning community to discuss and evaluate course redesign successes and lessons learned. These proven courses that have documented improved student retention, engagement, and success have included such strategies as flipped classrooms, online homework, virtual labs, blended course designs, Supplemental Instruction, and other technology-enhanced delivery methods. proven.csuprojects.org

Quality Assurance

As CSU campuses offer more blended and online courses, it is critical to ensure quality online teaching and learning, as well as determining how to assess and make desired improvements for greater student success. There are many skeptics who question the validity of online teaching, making it critical to inform and prepare instructors to effectively teach hybrid or online courses. The Quality Assurance program offers multiple services and methodologies to ensure instructional quality, instructional materials accessibility, and academic integrity. qa.csuprojects.org

Promising Practices

Promising Practices is a program focused on local campus course redesigns that have not yet been proven to increase student success and/or that address local campus bottlenecks. Faculty accepted into the Promising Practices program are given resources and support to strengthen their course design through the Course Redesign Professional Learning Community and build additional evidence as to the redesign effectiveness. Promising Practices are considered incubators toward future proven redesigns. promising.csuprojects.org

Virtual Labs

Science, Technology, Engineering and Mathematics (STEM) faculty throughout the CSU are adopting virtual labs to provide students a risk-free environment to explore scientific concepts in inquiry-based fashion, formulating hypotheses and carrying out experiments at their own pace and time, learning from successes and failures. The use of virtual labs can remove some of the barriers to enrollments, such as the limited availability of laboratory space, equipment and instructional support, allowing more students to successfully complete their science labs in a timely manner. vlabs.csuprojects.org



www.calstate.edu/courseredesign

Course Redesign with Technology

Strategies for Student and Faculty Success



HOME

PROGRAMS ▾

SHOWCASE ▾

RESOURCES ▾

ABOUT ▾

Course Redesign with Technology

The CSU Course Redesign with Technology program was developed in response to the enrollment bottlenecks that many students were experiencing, limiting their ability to progress toward graduation. There are many reasons why CSU students face these bottleneck issues. [Read more about CSU Enrollment Bottleneck Solutions.](#)

Announcements

[Next CRT Professional Learning Community mtg, Oct 2](#) September 23, 2015

[Save the Date: CRT Mid-Year Mtg, Jan 14, 2016](#) September 8, 2015

Enrollment Bottleneck Solutions Initiative



Video of Cal Poly Pomona, Professor of Engineering, Mariappan Jawaharlal discussing his course redesign



Strategies and Solutions to Address the Causes of Enrollment Bottlenecks

Search

Quick Links

- [All-in-One Calendar](#)
- [Calendar of 16-17 RFPs](#)
- [Professional Learning Community](#)
- [E-Portfolios Showcase](#)
- [Submitting E-Portfolios](#)
- [Quality Assurance](#)
- [CourseMatch](#)
- [eAdvising](#)
- [Tools](#)

VIRTUAL LABS in the CSU

[advanced search materials](#) | [advanced search members](#)

Home

Biology

Chemistry

Physics

Earth/Environmental
Science

Engineering

Math



Welcome to Virtual Labs in the CSU

The Virtual Labs in the CSU is part of system-wide Academic Technology initiative to reduce enrollment bottleneck courses for students through the use of innovative online technologies. Science faculty throughout the CSU are adopting virtual labs to engage students in learning through active participation rather than passive observation. Technological advances, combined with bandwidth maturity and mobile access make virtual labs an increasingly viable part of the teaching and learning.

We invite you through this site to learn about current and innovative virtual labs technologies, lab experiments, and simulations used in teaching the science, technology, engineering, and math disciplines in higher education.

What You'll Find Here

1. The use of leading edge Virtual labs in the teaching and learning process.
2. A "one-stop-shop" for a growing collection of free and fee-based virtual labs.
3. Advice with links to a wide range of additional Science, Engineering, and Math resources and materials on Virtual Labs.

News and Events:

Check out [CSU Course Redesign Initiatives Website](#)

Join the [Virtual Labs in the CSU](#) community at MERLOT Voices.

CSU-LA Virtual Labs Project:

Presentation at the e-academy workshop for Proven Course Redesign.

[Online Courses and Virtual Labs in Biology II \(PPTX\)](#)

15-16 January 2014

Virtual Labs Posters for the 2014 CSU Summer Institute:

1. [Virtual Labs in the CSU](#)
2. [Biology Labs Online](#)
3. [Smart Science Education Inc. Real Science Online](#)

Convenient Access to OER is a Key Ingredient for Success

Community and Technical Colleges
are a cornerstone to Louisiana's
education system

Where can you find Workforce OER?



Welcome to SkillsCommons

We're open for learning.

www.skillscommons.org



Browse by Industry

Know your industry? You can browse for materials by specific industry sectors



Grant Project Showcases

Explore selected TAACCCT projects by



Support Center Services

Get off to a good start with the SUPPORT

TAACCCT Repository Services



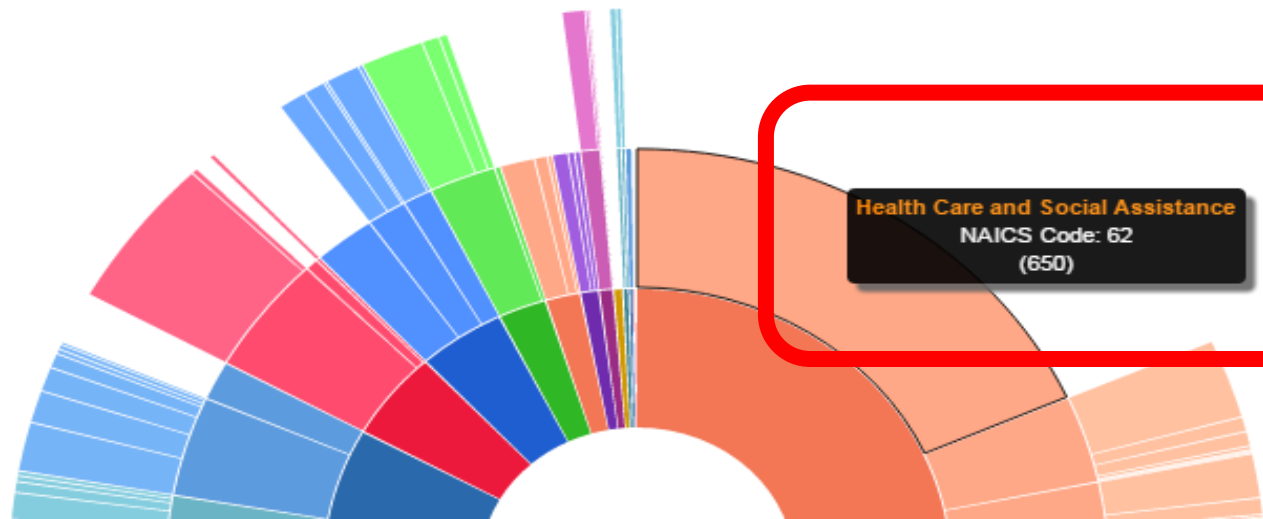
- GRANT PROJECTS
- MATERIAL TYPE
- CREDENTIAL TYPE
- INSTITUTION
- INDUSTRY

INDUSTRY (WHEEL)

Home > Browse by Industry

Explore SkillsCommons By Industry

- Click on a section of the wheel to get an expanded presentation of that specific industry.
- Click on the name in the pop-up box to get a list of the materials for that industry.
- An [accessible version](#) is also available.



Material Type

- Syllabus (181)
- Hybrid/Blended Course (105)
- Assignment (102)
- Presentation (91)
- Other (85)
- Instructor and/or Advisor/Case Manager Support Materials (73)
- Recruitment and Outreach (72)
- Online Course Module (71)
- Reference Material (71)
- Collection (70)
- ... View More

Credential Type

- Associate Degree (620)
- Certificate (370)
- Stacked/Laticed Credential Model (126)
- Credential (89)
- None (80)
- Bachelors Degree (75)
- Diploma (34)
- Other (33)

Institution

- North Arkansas College (89)
- Central Maine Community College (71)
- Lake Area Technical Institute (68)

Berkshire Community College - AHS115 Fundamentals of Disease - Respiratory Quiz Quiz/Test

Berkshire Community College

Berkshire Community College AHS115 Fundamentals of Human Disease Quiz

SkillsCommons Aides

Grant Management Materials

St. Louis Community College

Presentation and tips for uploading resources to the SkillsCommons repository.

MoHealthWINs Rad Tech Open House Flyer

Recruitment and Outreach

Jefferson College

MoHealthWINs Rad Tech Open House Flyer for promotional purposes.

Hearing Instrument Specialist Syllabi

Syllabus

Ozarks Technical College

This industry specific HIS program prepares students for entry level hearing instrument specialist positions. Upon completion of this program, students will earn an Associate of Applied Science degree and are prepared to enter the workforce. The following documents identify the course syllabi for e . . .

HIS 140 Introduction to Hearing Instrument Components

Hybrid/Blended Course

Ozarks Technical College

This is the Blackboard course materials for HIS 140 Introduction to Hearing Instrument Components.

Connect with Communities

Find - Communicate - Contribute - Improve



Connect with
TAACCT Services

[Connect](#)




Connect by
Industry

[Connect](#)



Connect with
Technology Partners

[Connect](#)



Connect through
Social Media

[Connect](#)



Find
Community &
Technical Colleges

[Find](#)



Find
Grant Projects

[Find](#)

**SkillsCommons
help you
connect with
workforce
development
partners**

Interactive Content Makeover

[Back to Reuse & Revise](#)

About the Interactive Content Makeover

The goal of this makeover was to transform Word documents that students would read into more interactive learning experiences. Documents used in this makeover were contributed by [Air Washington](#). Tools used in this makeover include [SoftChalk](#) for editing the content and [ReadSpeaker](#) for adding text-to-speech support. The makeover requirements were provided by SkillsCommons to SoftChalk consultants and the SoftChalk consultants implemented the design. The makeovers were supported by SkillsCommons and AirWashington.



Creating Interactive Lessons for Learning with SoftChalk

The design guidelines provided to the SoftChalk consultants were:

- Apply consistent branding and licensing in the header and footer.
- Change to a "lesson" look and feel, which includes page navigation.
- Improve student engagement by introducing interactive exercises.
- Improve accessibility through integration with ReadSpeaker for text-to-speech.

Before and After the Makeovers

We have 3 examples of different content from Air Washington we used in the makeover illustrations. All the makeovers have a text-to-speech capability.

Lab Safety & Equipment Use

PART 1 [Original Material \(BEFORE\)](#) | [Makeover Implemented \(AFTER\)](#) See page 4 of Makeover to review interactivity, embedded videos, & self-check assessment and page 6 for an embedded quiz.

PART 2 [Original Material \(BEFORE\)](#) | [Makeover Implemented \(AFTER\)](#) See page 5 of Makeover to review interactivity & self-check assessment, and page 6 for embedded quiz.

Electricity

[Original Material \(BEFORE\)](#) | [Makeover Implemented \(AFTER\)](#)

How To Implement a Makeover: Examples using SoftChalk

We asked the SoftChalk consultant to capture on video the process used to make the OER from AirWashington into an interactive learning experience for SkillsCommons. The following YouTube videos show the makeover process in detail

- [Creating the Electricity Lesson](#) [video]
- [Illustrating how a student would use the interactive lesson on Lab Safety and Equipment Use within a Learning Management System \(e.g. Desire to Learn\)](#) [video]
- [Improving the Design, Interactivity, and Integrity of Assessments](#) [WORD] [PDF]



**SkillsCommons
can help you
use OER and
MAKEOVER the
materials for
your needs!**

 **MERLOT**
Multimedia Educational Resource
for Learning and Online Teaching

+

 **ONLINE LEARNING™
CONSORTIUM**


TAACCCT
TRADE ADJUSTMENT ASSISTANCE COMMUNITY COLLEGE AND CAREER TRAINING GRANT PROGRAM

+

Technology Companies



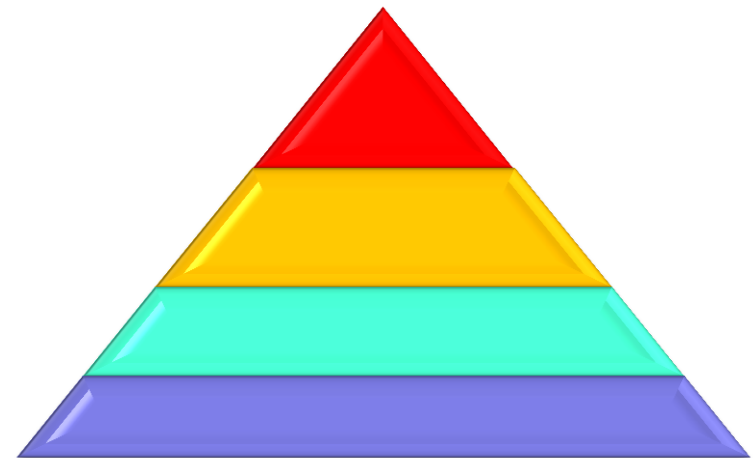

OLC Innovate 2016
APRIL 20-22 • NEW ORLEANS, LA

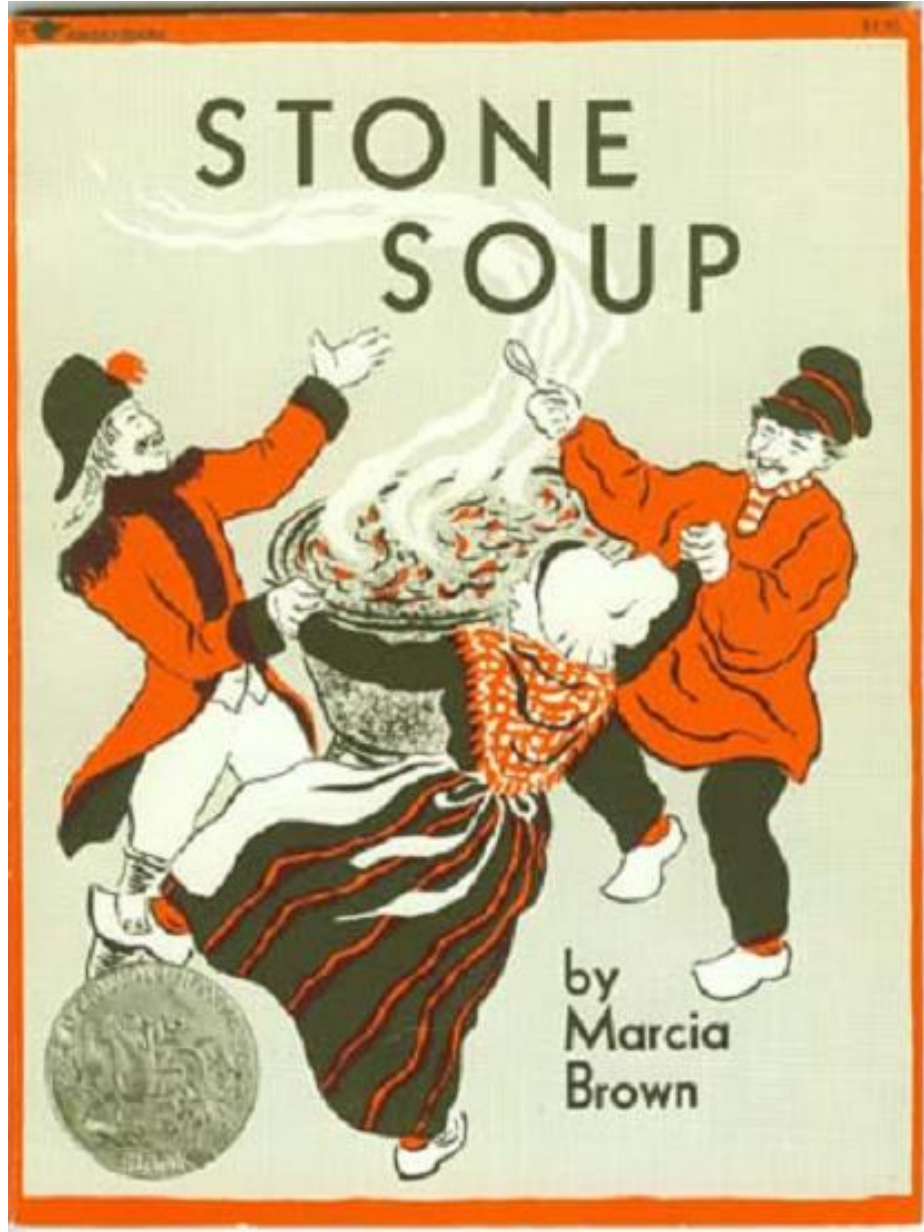
JOIN US AT **OLC Innovate** 2016

APRIL 20-22 • NEW ORLEANS, LA

- **Workforce Innovation** is one conference track
- **SkillsCommons** is launching an annual **TAACCCT Community Meeting at INNOVATE**
 - **Drafting plans for industry-sector & strategy communities**
 - **Demonstrating “Makeover Strategies”** and facilitating connections with technology companies
 - **Discount Registration Code: 2016INNOVMP**

ENABLING ECOSYSTEMS





How to execute without being executed?

Give a Gift and Not a Burden

Showcase exemplary practices

Give Choices

Build Locally- Link Globally

Good Project Management

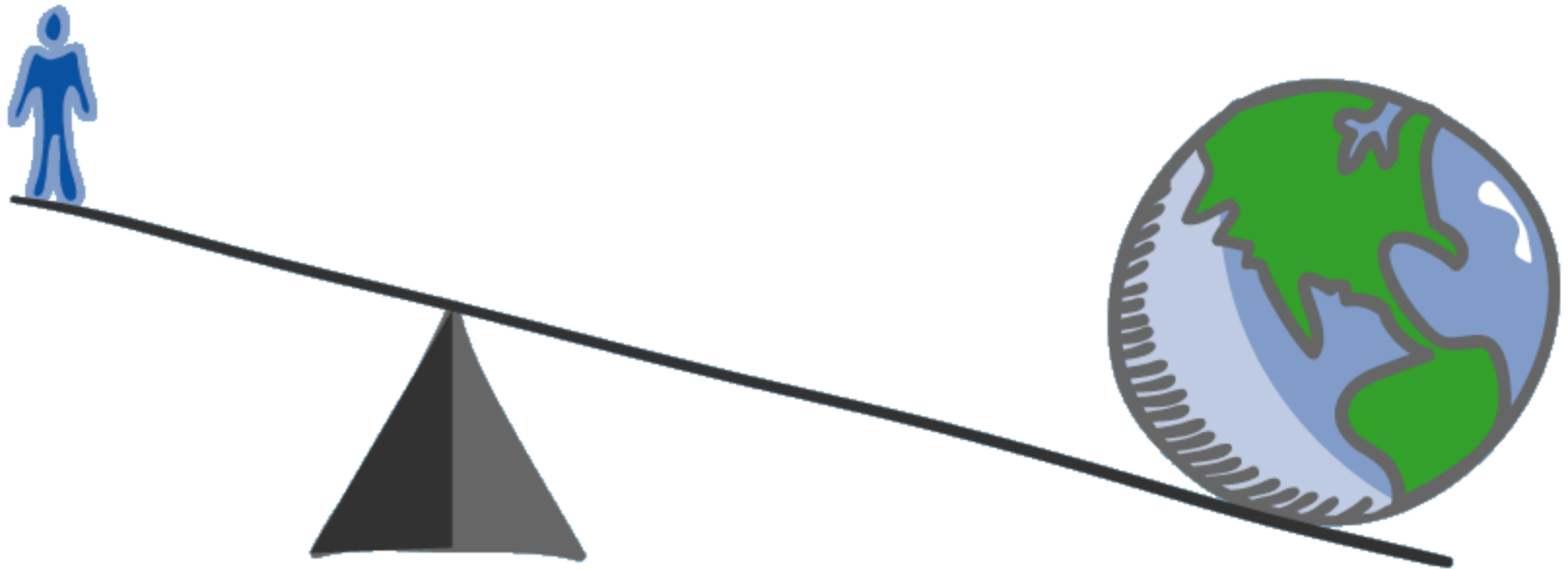


Running with Scissors in Louisiana

1. Establish an *Affordable Learning Louisiana -Innovations (ALL-In)* system team to develop your own initiative
2. Ask me to co-create your *OOLALA* website – as a MERLOT system partner you get one
3. Fund what you can to incentivize your own flavor of Stone Soup



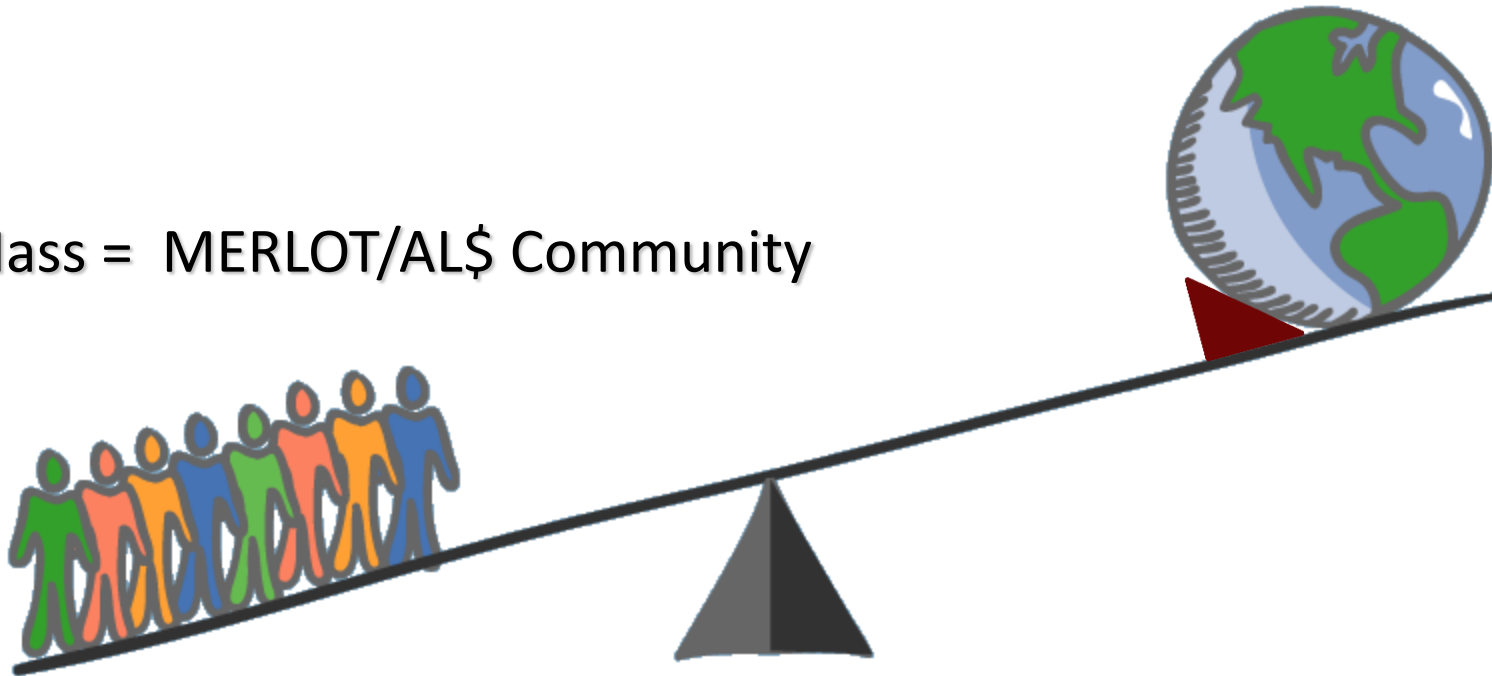
Shall We Be Open For Learning?



And Move the World With Innovations?

Mass = Educational Innovations

Mass = MERLOT/AL\$ Community



Thank You!
Questions?

Gerry Hanley
ghanley@calstate.edu