THE LANDSCAPE OF THE FUTURE:

Open Content, Open Knowledge, Open Educational Resources

Brandon Muramatsu and Jean Runyon

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Outline

- What is this "Open" thing I keep hearing about?
- Thinking about Open differently
- What's the big deal about Open?
- Key Mechanic of Open
- Choose your own presentation…
  - Finding or Creating
- Wrapup

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Outcomes

- Understand the scope of the Open landscape, with a focus on Open Content
- Understand the implications and importance of Open
- (Hopefully) Identify something to take with you…

  How will you adopt, produce, or encourage the use of Open?

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What is this “Open” thing I keep hearing about?

So, what have you heard?

- It's Free!
- Open Course Library
- iTunesU
- General topic, but limited in specific areas
- Non-credit
- Creative Commons licensing
- Issues with accuracy, completeness, quality, aligning
- It's scary, when you commit, you're on your own, to mediate content, to build support
- Good metadata is crucial to find what you want, to find meaningful results

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Open… Education

- Source
- Content / Educational Resources
  - CourseWare / Courseware
  - Textbooks
  - Courses
- Educational Practice
- Journals
- Knowledge
- Policy

We're going to focus on this part

Cable Green will talk about this in the closing keynote

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What are some benefits and challenges of Open Educational Resources (OERs)?

Benefits

- Free!
- Cost savings to students
- Ease of updating

Challenges

- Free!
- Making sense and using resources
- Convincing articulating universities to accept courses that utilize OERs
- Technical compatibility
  - (no publisher support)
- Reliability
- Need to update
- Functionality—bundled systems

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Thinking about Open differently

What are OERs?

How do you define "Open Educational Resources"?

- More audience participation…

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OER: l'innovation du jour?

- We're going to talk about OER writ large.
- We're not going to bore you with definitions! (Well, we'll try!)
- We're not going to get all religious about OERs!

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Think of OER as a Starting a Conversation

- A conversation about teaching, crafting courses, & sharing course materials
- A conversation about collaborating with peers and even students

This doesn't sound like it's specific to OERs does it? And, you're probably already using OERs!

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Poll: Do you (or your faculty)…

- Talk about courses with peers?
- Borrow course materials, teaching techniques, sources?
- Share materials back with your peers?

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OER is all of these things!

- At it's heart, OER is about doing these sorts of things!
- And, it's about encouraging **sharing** of materials and practices…
- And, it's **clearly communicating what others are allowed to do with the materials**…

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Ok, let's get a bit more formal

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Recall…OER: A Definition

OER *are teaching, learning, and research resources that reside in the public domain or have been* ***released*** *under an intellectual property license that* ***permits their free use or re-purposing by others***. *Open educational resources include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge.*

The resource is available for others to use

Atkins, Daniel E., John Seely Brown, Allen L. Hammond. (2007-02). "A Review of Open Educational Resources (OER) Movement: Achievements, Challenges, and New Opportunities." Menlo Park, CA: The William and Flora Hewlett Foundation. p. 4.

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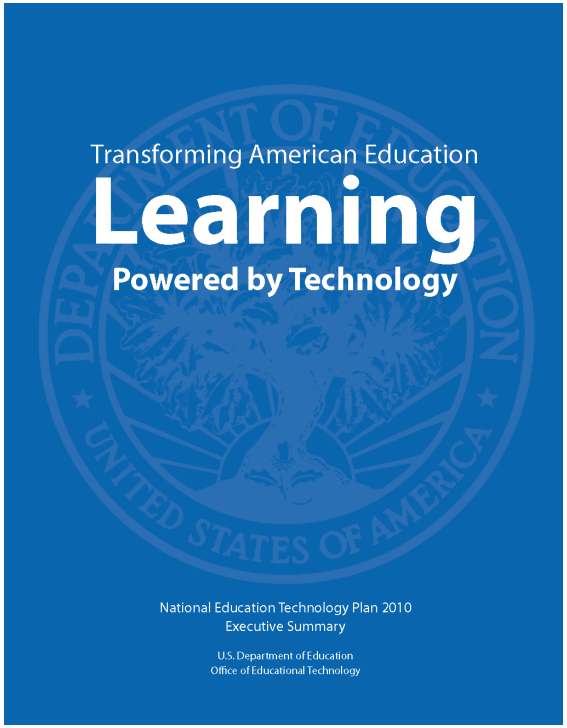
U.S. Department of Education

Open Educational Resources (OER) are an important element of an infrastructure for learning.



Department of Education. (2010). National Education Technology Plan: Transforming American Education: Learning Powered by Technology. http://www.ed.gov/technology/netp-2010/open-educational-resources

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OERs are a part of Open Education

- OERs focus on resources
  - They have been getting a lot of attention at the federal and state levels
  - They are primarily course materials and open textbooks
- Open Education is the bigger concept
  - Sharing, availability and access

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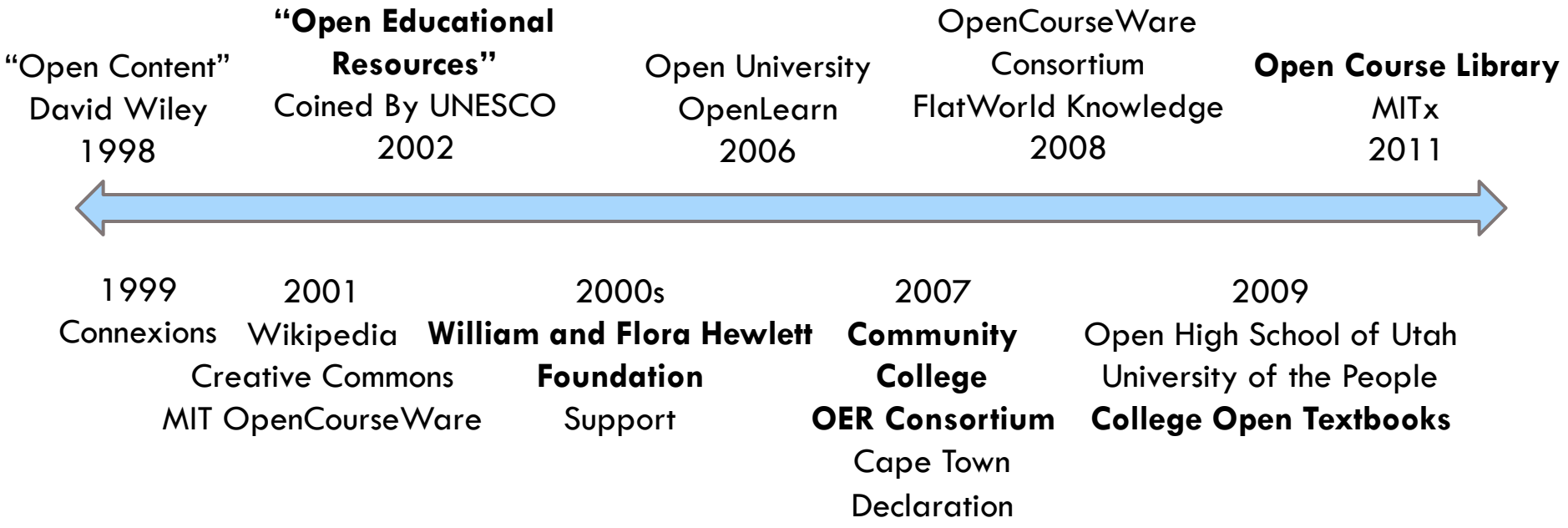
Selected Open Education Timeline



Source: WikiEducator. (2012). OER Timeline. http://wikieducator.org/OER_timeline

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What's the big deal about Open?

Importance of Open

Importance of Open Education

Potential for…

- Reclaiming control
  - From publishers, from static content
  - Enabling flexibility to mix and match
- Changing the nature of the educational experience
  - Smaller chunks, focused objectives
  - MOOCs, alternate credentialing
- Reigning in costs without sacrificing quality or access
  - Student and institutional

Open is a means to an end: Improved learning and performance

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Key mechanic of Open

Adding a license to your resource…

Poll: When borrowing resources…

- Do you look at the license or terms of use?
- Do you provide attribution for those resources?

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What are you allowed to do?
What might you allow others?

- Instead of "All Rights Reserved"
  - Can someone else use the materials?
  - Can someone build upon or modify the materials?
  - Can they use those materials commercially?
  - Do they have to share any materials they develop the same way the materials were originally shared?

Do these sound familiar?

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The resource is available to others to use

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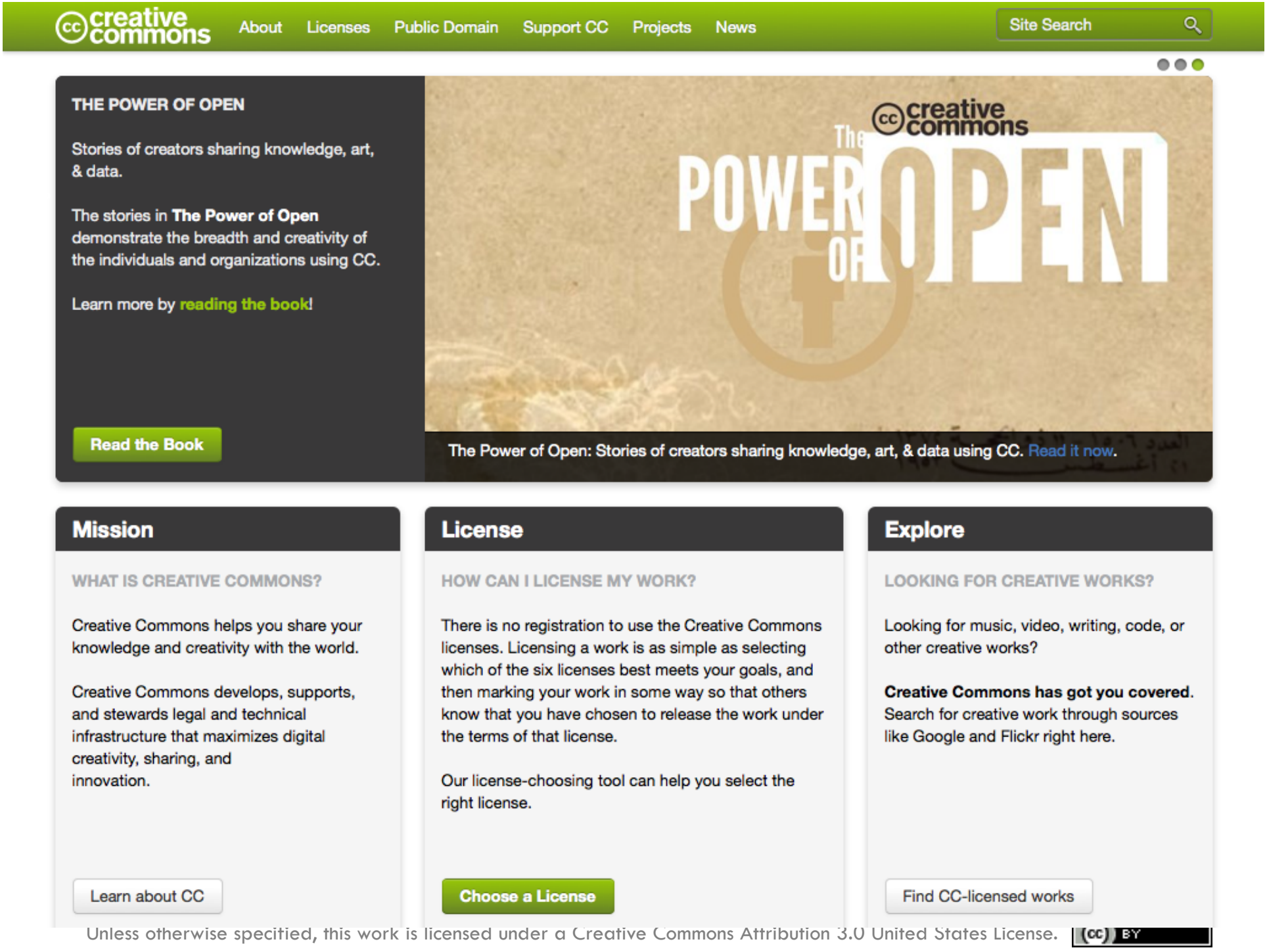

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Choose your own presentation…

Where do we go next?

- Finding and identifying OERs
- Creating an OER

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Set them

Creating an OER

Demonstration

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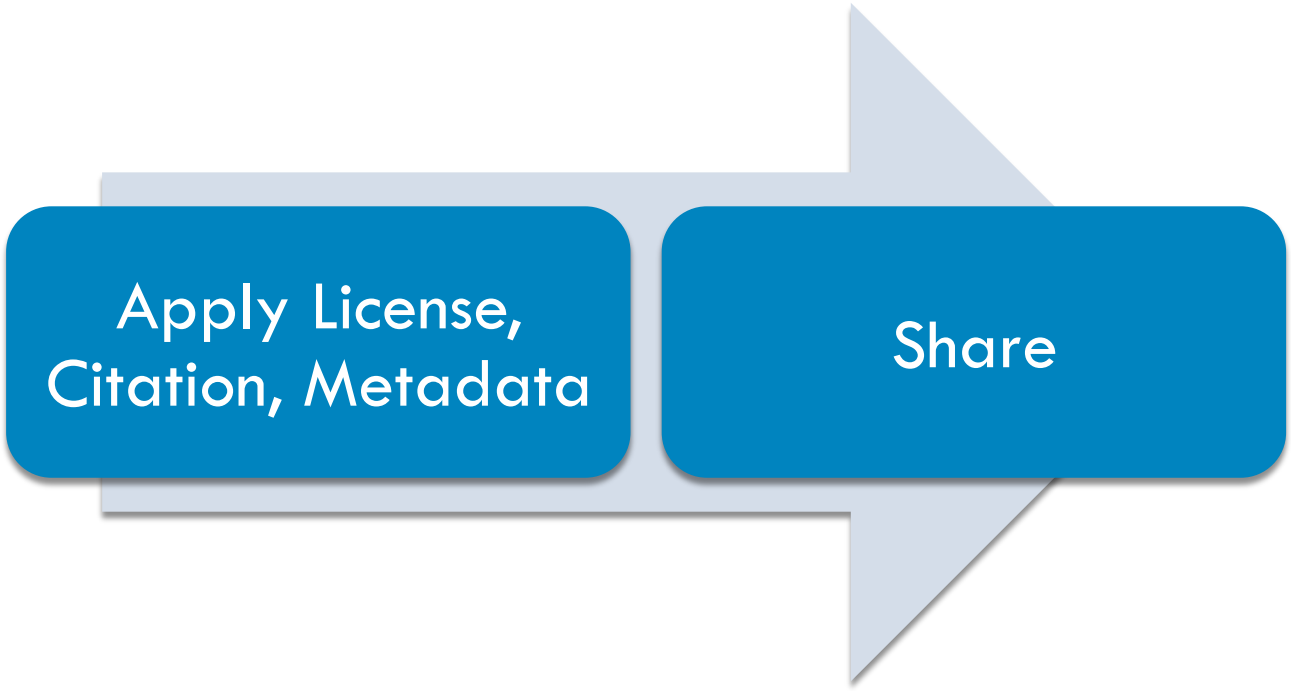
Let's make an OER



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Brandon Muramatsu

SlideShares 51

Cambridge, MA, United States

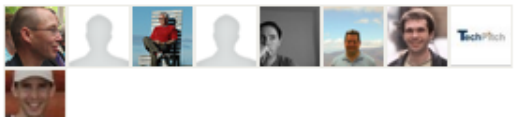
Project Manager at MIT

Education

www.mura.org

Brandon Muramatsu has been involved in the development of learning technologies from courseware to educational digital libraries since 1993. He is interested in the development of production-level services and tools for educators and learners to develop, use, reuse and share digital learning resources, especially open educational resources. He is currently working at the Office of Educational Innovation and Technology at MIT to transform learning technologies from innovative research to sustainable production services. Brandon Muramatsu earned his B.S. (1993) and M.S. (1995) in mechanical engineering from the University of California, Berkeley.

9 Followers



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Open Learning: Bridge to Success **613 views**

Student readiness for college is of great concern at the local and national levels. Open access to high-quality educational materials will increase the number and diversity of adults who are

An OER walks into a bar…

Finding and Recognizing OERs

Demonstration

Finding OERs

- How do you find out about them?
  - Talking to peers in your department?
  - Through ITC? Other professional organizations?
  - Looking through digital repositories?
  - Google searches?

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Recognizing OERs: Examples

- Flickr (www.flickr.com)
- MIT OpenCourseWare (ocw.mit.edu)
- MERLOT (www.merlot.org)
- OER Commons (www.oercommons.org)
- Open Course Library (www.opencourselibrary.org)
- Wikipedia (www.wikipedia.org)
- Crowd choice (what will it be?)

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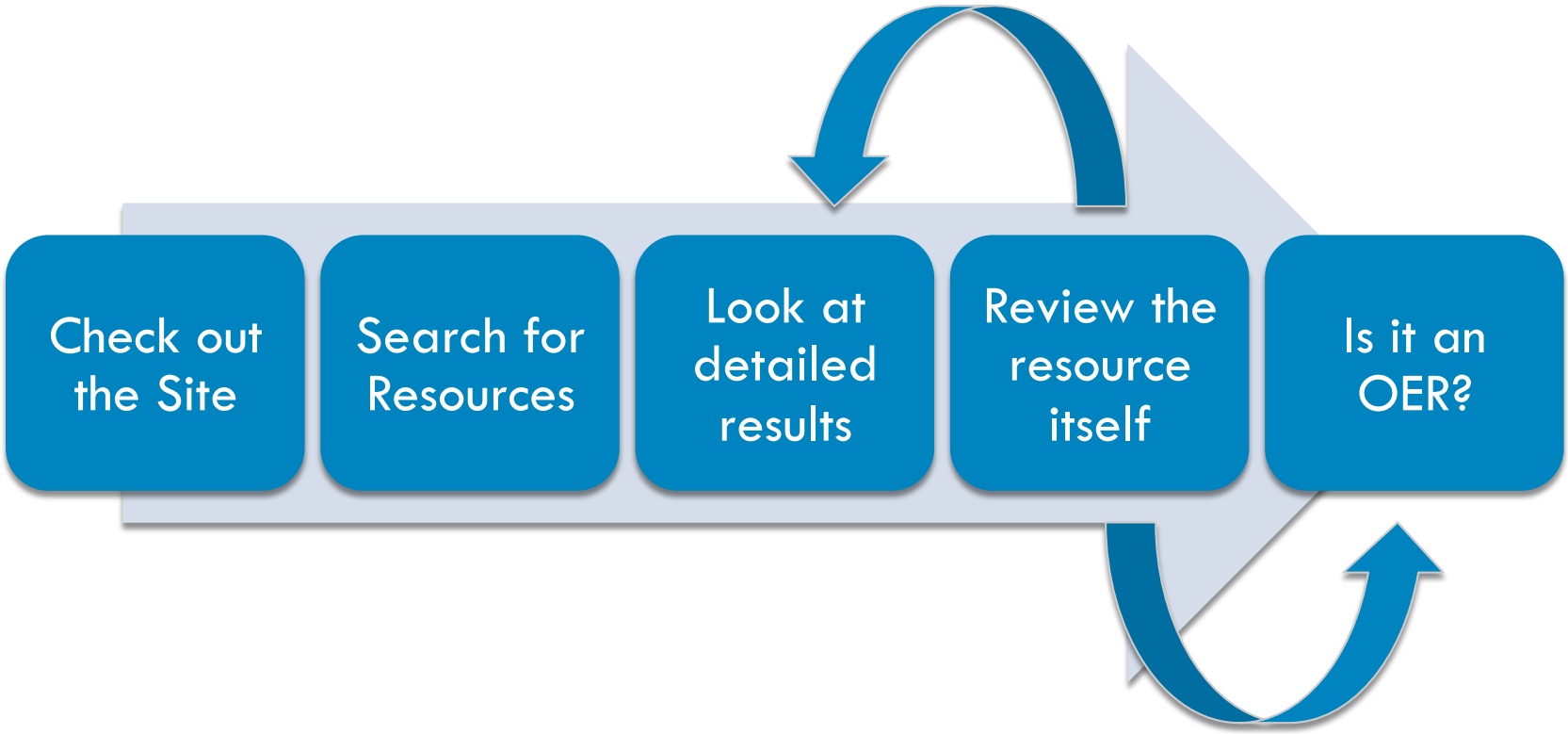
Pattern



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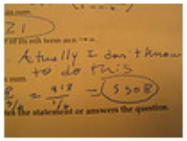
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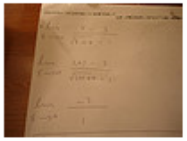
From endquote

From PrimaryTu...

From Paules_nl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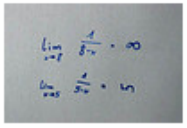
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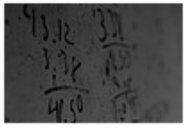
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Groups more...

Math World
915 members | 4,190 photos

365 Days
20,670 members | 1,298,932 photos

Photographers more...

fdecomite
See related photos

antarctica246.....recovering from head injury
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Tag Clusters more...

Photos with tags like **school, homework and paper**

Photos with tags like **rock, music and mute**

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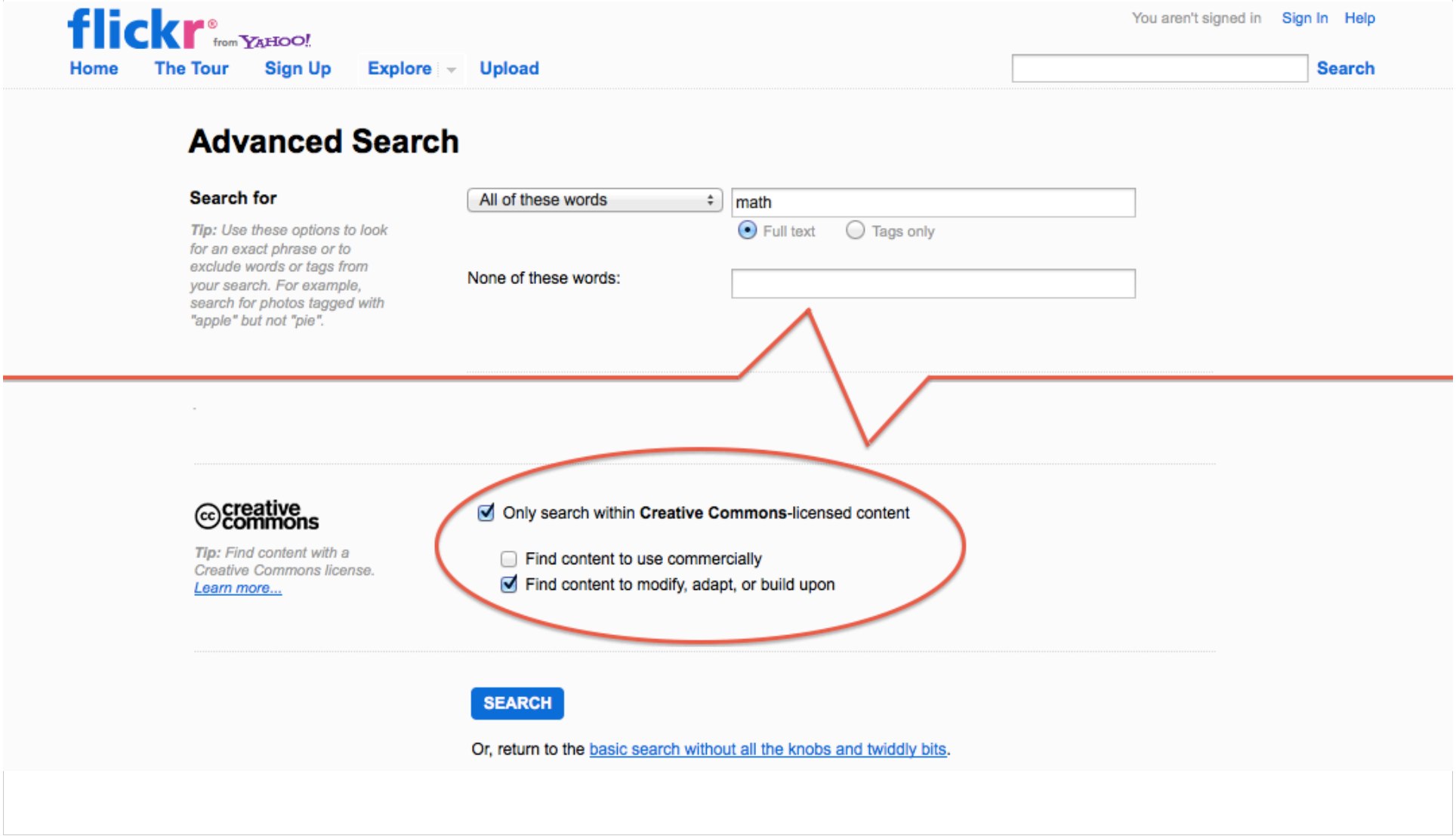
Searching for Openly Licensed Photos



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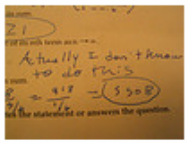
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Groups more...

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915 members | 4,190 photos

Geometric Beauty
8,571 members | 124,192 photos

Photographers more...

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Tag Clusters more...

Photos with tags like **school, homework and paper**

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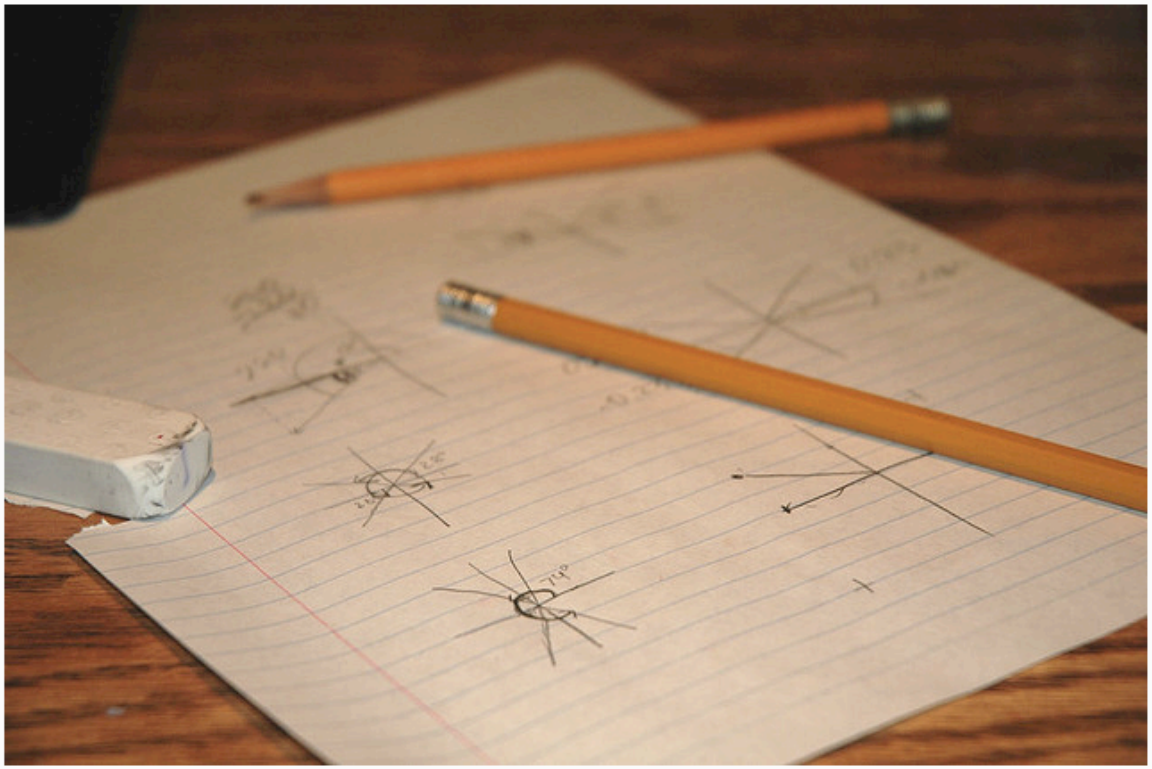

math_homework

I gave Katherine a hand with her math homework.

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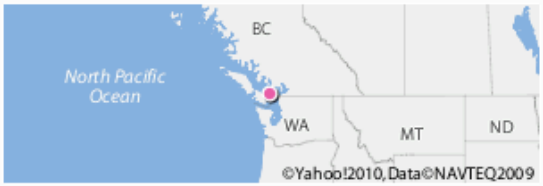

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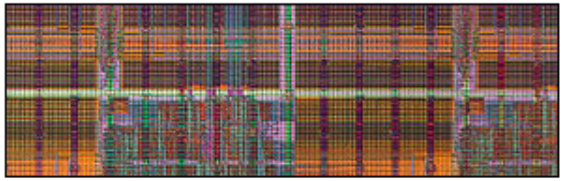

MITx Enrollment Begins

In December, MIT announced a new online learning initiative called "MITx". Registration is now open for the pilot course, 6.002x Circuits and Electronics.

› Enroll for free now.
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33,351 materials,
1,075 new materials,
102,168 members,
1,175 new members
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Find peer reviewed online teaching and learning materials. Share advice and expertise about education with expert colleagues. Be recognized for your contributions to quality education.

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- Mathematics
- Music
- Physics
- Psychology
- Sociology
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- Technical Allied Health
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As a Member you can:

- Contribute learning materials
- Create a personal collection
- Develop a personal profile
- Share your online expertise
- Receive peer recognition

Become a Campus, System, Corporate or Community Partner

Emerging Technologies for Online Learning
Conference Info
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MERLOT Journal of Online Learning and Teaching

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- Free to Use
- Openly Licensed
- 31749 Resources
- From K-12 to College Courses

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- Subject Areas
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Green

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OER Commons is a project of ISKME

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Recommended Resources

General Ed and Pre-College Courses: Use these high enrollment, general education and pre-college courses to lower textbook costs for students, to improve college completion rates, and as frameworks on which to build your own online or blended courses

Common Core Aligned Resources: K-12 educators, see how individual resources align to the Common Core State Standards and add your resource quality ratings and comments

Open Textbooks: Add your review to these free and open textbooks

Career and Technical Education: Explore these vocational open educational resources to build general skills with software programs like MS Word and Excel, plan your career, and develop marketable skills

Classroom Management: Try this great selection for setting the tone and rules for your classroom and intentionally designing classroom life connected to student learning, social skills and behaviors

Science as Inquiry: Teach and learn science by doing active exploration and problem posing

Art as Inquiry: Delve into visualization, creative thinking, and more artistic habits of the mind for arts-integrated learning across disciplines

New Bookmark Button

Add resources from any website!

Add OER

Drag this button to your favorites bar. When you find an OER resource on the web, click that link to submit.

OER Commons Tweets

Faculty @openhsofutah will share OER experiences Thursday @nacol webinar. Share and calendar the date. #oer #hs #edchat http://t.co/t0XPZnWC

Feb 14, 2012

Open Course Library

Search this site

- About
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  - Example Course
  - Global/Multicultural Resources
  - Handouts & Templates
  - Instructional Designers
  - Finding Open Access Resources
  - Information Literacy Resources
  - Technical Documentation

Welcome!

The Open Course Library is a collection of expertly developed educational materials – including textbooks, syllabi, course activities, readings, and assessments – for 81 high-enrollment college courses. 42 courses have been completed so far, providing faculty with a high-quality, affordable option that will cost students no more than $30 for course materials.

Our goals:

1. Lower textbook costs for students
2. Provide high quality, open resources for faculty
3. Improve course completion rates

Phase 1 Courses

Our 42 phase 1 courses are now available. All course materials are shared under a Creative Commons (CC-BY) license unless otherwise noted. If you have adopted an Open Course Library course please fill out the Adoption Form.

Phase 2 Development

Our phase 2 courses are currently being developed. They will be available Spring 2013.

Partners & Consortia

saylor.org FREE EDUCATION

creative commons

OPEN COURSEWARE CONSORTIUM

CONNEXIONS CONSORTIUM

Open educational resources

From Wikipedia, the free encyclopedia

Open educational resources (OER) are digital materials that can be re-used for teaching, learning, research and more, made available free through open licenses, which allow uses of the materials that would not be easily permitted under copyright alone.[1] As a mode for content creation and sharing, OER alone cannot award degrees nor provide academic or administrative support to students.[2][3] However, OER materials are beginning to get integrated into open and distance education.[4] Some OER producers have involved themselves in social media to increase their content visibility and reputation.[5]

Open educational resources

OER include different kinds of digital assets. Learning content includes courses, course materials, content modules, learning objects, collections, and journals. Tools include software that supports the creation, delivery, use and improvement of open learning content, searching and organization of content, content and learning management systems, content development tools, and on-line learning communities. Implementation resources include intellectual property licenses that govern open publishing of materials, design-principles, and localization of content. They also include materials on best practices such as stories, publication, techniques, methods, processes, incentives, and distribution.

Contents [hide]

1 Other Definitions
2 Aspirations
3 History
4 Some OER Initiatives
5 Licensing
6 Institutional support
7 National and US State Programs
8 Criticism
9 See also
10 References
11 External links

Other Definitions [edit]

The following definition of OER has been proposed by the William and Flora Hewlett Foundation:

Main page
Contents
Featured content
Current events
Random article
Donate to Wikipedia

Interaction
Help
About Wikipedia
Community portal
Recent changes
Contact Wikipedia

Toolbox

Print/export

Languages
Català
Česky
Deutsch
Español
Français
한국어
Íslenska
Italiano
日本語
Polski
Português
Română
Slovenčina

Audience Choice?

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Examples of OERs

- Flickr (www.flickr.com)
  - Some CC-licensed, find via Advanced Search
- MIT Open CourseWare (ocw.mit.edu)
  - One of the granddaddy's of OERs, CC-by-nc-sa
- MERLOT (www.merlot.org)
  - Wide range of resources, complex licensing
- OER Commons (www.oercommons.org)
  - Wide range of resources, nearly all CC-licensed
- Open Course Library (www.opencourselibrary.org)
  - Open Textbooks, 42 published, more coming, CC-by
- Wikipedia (www.wikipedia.org)
  - Probably the biggest OER, support for attribution

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Discussion Questions

- What makes a site an OER?
- Did any of the sites surprise you?
- What features make some sites better than others?

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Selected additional resources

- Bridge to Success (shameless plug), b2s.aacc.edu
- CK-12, www.ck12.org
- College Open Textbooks, www.collegeopentextbooks.org
- Community College Consortium for Open Educational Resources, www.oerconsortium.org
- Flat World Knowledge, www.flatworldknowledge.com
- Kaleidoscope Project, www.project-kaleidoscope.org
- Open High School of Utah, ocw.openhighschool.org
- Open University OpenLearn, www.open.edu/openlearn
- P2PU, www.p2pu.org
- Saylor Foundation, www.saylor.org
- WikiEducator, wikieducator.org

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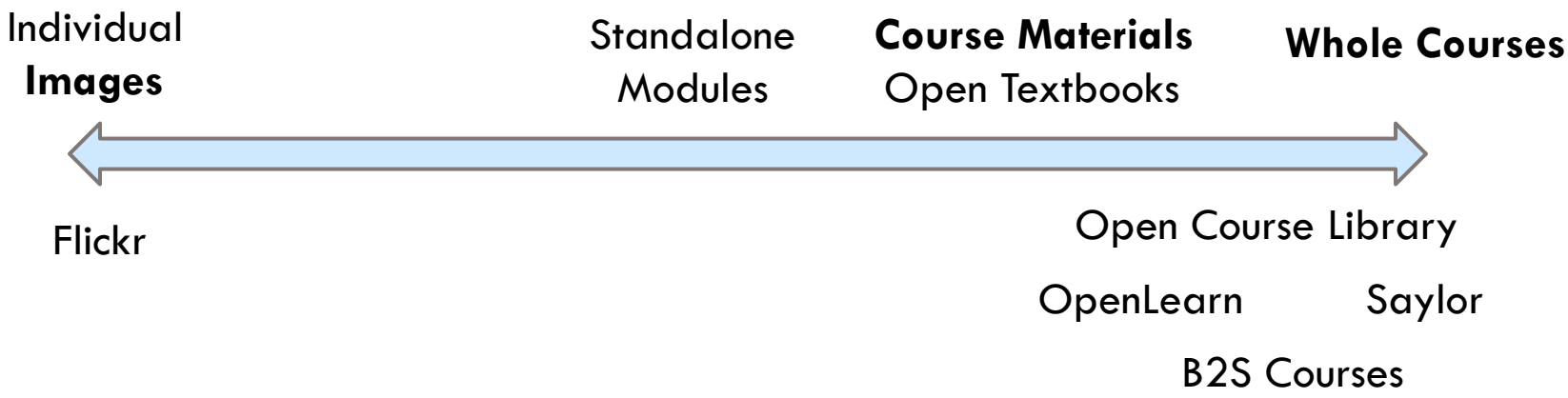
OER Smörgåsbord

- OER as a conversation:

  Sharing, access, materials, practice

- OER as a continuum



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Wrap-Up

Revisiting Outcomes

Discussion

Revisiting Outcomes

- Understand the scope of the Open landscape, with a focus on Open Content
- Understand the implications and importance of Open
- (Hopefully) Identify something to take with you…

  How will you adopt, produce, or encourage the use of Open?

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Discussion of OERs

- Creative Commons licensing
- Modularizing, and a chunk or chunks, using OERs may make them more accessible
- Tie in with teaching and learning
- Start redesigning course, crowd-source, get students to help—discuss, analyze, integrate

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