Open Learning: Bridge to Success

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Today’s Webinar

• Introductions
  • Patrick McAndrew, The Open University (United Kingdom)
  • Brandon Muramatsu, Massachusetts Institute of Technology
  • Jean Runyon, Anne Arundel Community College

• Overview of the OER landscape

• Next Gen Learning Challenges grant, "Bridge to Success (B2S)"
Meet the Presenters

Patrick McAndrew
Open University

Jean Runyon
AACC

Brandon Muramatsu
MIT
Understanding openness
• 253,075 students
• 23% outside UK
• 52% undergrads below standard UK HE entry level
• 12,758 with declared disabilities
• 5,119 direct staff 1286 academic
• 7,743 associate lecturers
• 7,512 students on most popular course (Intro to Social Sciences)
The Gallery of Educational Innovation provides premier, digital representations of knowledge related to teaching and learning. These documented efforts at MIT and beyond provide examples for individuals, projects, departments, institutions, communities of practice, and for the simply curious.

Visitors can explore the Gallery by subject area; by theme; or by collection. Browse, learn, and get inspired!

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**Featured Projects**

**Education Collaboration Space**
ECS is collaboration space for instructors who teach communications-intensive courses to share insights and best practices.

**StarGenetics**
StarGenetics provides a set of tools for analyzing genetic traits.
This software simulates mating experiments between organisms that are genetically different across a range of traits and allows students to analyze the nature of the traits in...

**StarMoism Makes Students Better Engineers**
The StarMoism tool allows students to learn the concepts of good design and safe structural engineering through hands-on simulations.
Anne Arundel Community College

www.aacc.edu
Comprehensive Community College
The OER Landscape
Open Educational Resources
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.

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

http://www.ed.gov/technology/netp-2010/open-educational-resources
• What are Open Educational Resources?
  • 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!
Brandon Muramatsu, Senior IT Consultant
Office of educational Innovation and Technology, Massachusetts Institute of Technology
We’d like you to think about OER as an entrée to a conversation

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

And, you’re probably already using Open Educational Resources!
- We’ll find out in a bit...
Poll: Do you (or your faculty)...

• Talk about courses with peers?
• Borrow course materials, teaching techniques, sources?
• Share materials back with your peers?
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...
Poll: When borrowing resources...

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

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Have you used Flickr?

- Did you know that Flickr allows photo sharers to indicate a license?
- And that you can search for Creative Commons licensed photos?
Searching for Openly Licensed Photos at Flickr

Advanced Search

Search for
Tip: Use these options to look for an exact phrase or to exclude words or tags from your search. For example, search for photos tagged with "apple" but not "pie".

All of these words: math

Full text
Tags only

None of these words:

Only search within Creative Commons-licensed content
Find content to use commercially
Find content to modify, adapt, or build upon

SEARCH

Or, return to the basic search without all the knobs and twiddly bits.
math_homework

I gave Katherine a hand with her math homework.

Comments and faves

whirlwind added this photo to their favorites, (63 months ago)
Do you use course materials developed by others?

- How do you find out about them?
  - Talking to peers in your department?
  - Through ITC? Other professional societies?
  - Looking through digital repositories?
  - Google searches?
- What makes them easier to use?
- How do you incorporate them into your classes? Does “Open” make it easier?
  - <discussion>
Open Learning: Bridge to Success

*Bridge to Success* is made possible through a Next Generation Learning Challenge grant awarded to Anne Arundel Community College, the Open University (UK), University of Maryland University College (UMUC) and Massachusetts Institute of Technology (MIT). NGLC is led by EDUCAUSE in partnership with The League for Innovation in the Community College, the International Association of K-12 Online Learning and the Council of Chief State School Officers. The Bill and Melinda Gates Foundation and the William and Flora Hewlett Foundation helped design the Next Generation Learning Challenges and fund the initiative.
Gary Elliott-Cirigottis, Business Improvement Manager
Open University, United Kingdom
By 2020, this nation will once again have the highest proportion of college graduates in the world.”…

“…We seek to help an additional 5 million Americans earn degrees and certificates in the next decade…”

*President Barack Obama*

*American Graduation Initiative*

*July 14, 2009*
“Among more than 250,000 students who required the most mathematics remediation, only 16% completed those requirements in 3 years”

—Achieving the Dream

http://www.achievingthedream.org/NEWSROOM/clips_archive.tp
Jean Runyon, Dean – Virtual Campus
Anne Arundel Community College
Student Success 2020

More Successful Students
## Building Blocks for College Completion

<table>
<thead>
<tr>
<th>Barriers</th>
<th>Wave 1 Challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online course quality and modularity</td>
<td>Open courseware for developmental and general education</td>
</tr>
<tr>
<td>Learner interactivity and engagement</td>
<td>Encourage deeper forms of engagement through Web 2.0 technologies</td>
</tr>
<tr>
<td>Flexible delivery</td>
<td>Scale blended learning programs</td>
</tr>
<tr>
<td>Prediction and customization</td>
<td>Use of learning analytics by students, instructors, and advisors</td>
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</tbody>
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B2S Courses

- Learning to Learn (L2L)

- Succeed with Math (SWiM)
Learning to Learn

Level: Introductory

Welcome to Learning to Learn! By accessing this course you have just taken a major step toward helping you develop your study skills. Congratulations! Your first task is to read the course overview and complete the self-reflection questionnaire. This will help you to think about how Learning to Learn can help you achieve your goals and aims.

Unit 1
- Course Overview
- Self-Reflection Questionnaire

Unit 2
- You and Your Learning

Unit 3

Related educational resources
- OpenLearners also studied:
  - Severne Park H S Nauzeimer Learning Club
  - AACC Orientation Programs Learning Club
  - Succeed with Math
- Other sites
  - See other resources

Versions
- 1.0 Original OpenLearn version
- QuickStart
Learning to Learn (L2L)

- Unit 1: *Course overview* provides the course description, the activities in the course and how to use the course to identify strengths and skills as a learner.

- Unit 2: *You and Your Learning* discusses the definition of learning, helps identify skills and abilities and allows an examination of personal learning style.

- Unit 3: *Exploring Learning* explores how learning helps to achieve personal and professional goals.

- Unit 4: *Where Next* focuses on setting future goals for learning and development.

- Unit 5: *Reflecting Backward, Reflecting Forward* examines the cycle of learning and reflection.
Succeed with Math (SWiM)

Succeed with Math will help you review key math concepts, and then apply these concepts to real world applications. Units available include: Math and You, Getting Down to the Basics, Numbers Everywhere, Parts of the Whole, Relationships Among Numbers, Exploring Patterns and Formulas, Investigating Geometric Shapes and Sizes, and Communicating with Data, Charts and Graphs.

Time: 80 hours

Level: Introductory

1. Welcome to Succeed with Math!
2. Getting Down to the Basics Part 1
3. Getting Down to the Basics Part 2
• **Unit 1: Math and You** builds math confidence, develops problem-solving strategies, and explores study skills to be successful in mathematics.

• **Unit 2: Getting Down to the Basics** addresses the following: the history of numbers, using a number line, decimals, rounding, estimating, basic operations, the order of operations, and using knowledge in real world scenarios.

• **Unit 3: Numbers Everywhere** investigates units of measurement, signed numbers, and reading and writing mathematics.

• **Unit 4: Parts of the Whole** focuses on writing and using fractions and reinforces strategies for what to do when you get stuck on a problem.

• **Unit 5: Relationships Among Numbers** provides activities and addresses how numbers are used in daily life, connections between fractions, percentages and ratios.

• **Unit 6: Exploring Patterns and Formulas** instructs students on visualizing problems using pictures and diagrams, interpreting and using notation for inequalities, and interpreting word formulas to solve problems.

• **Unit 7: Investigating Geometric Shapes and Sizes** prepares students in understanding the key properties of geometry, and in interpreting and drawing scale diagrams.

• **Unit 8: Communicating with Data, Charts and Graphs** teaches how to calculate means, medians, and ranges for data sets, and how to interpret and construct tables.
Succeed with Math Content Developers:
Heather Riordan and Sybille Clayton
Learning to Learn
Self-paced tutorial

Welcome to the Learning to Learn Community Room. In this room, we will have some discussions where you can share your experiences in the tutorial with other students, and reflect on what you learn through the tutorial.

This resource is new to students - in fact, you are the first group of UMUC students who have access to it. Therefore, we will be looking for feedback on the content and modules. Before you begin, I wanted to answer some questions you might have:

What is Learning to Learn?
Learning to Learn is an open course meant to help students assess their skills and to learn how to use those skills in college-level courses. In addition, Learning to Learn helps students understand more on how they learn, either in a formal academic setting (like a college course) or in other situations (for example, in family life). The first module of the course discusses in depth what you will discover through the rest of the tutorial. Learning to Learn is free and is not graded.

How do I access Learning to Learn?
The course is here: http://lmspace.open.ac.uk/course/view.php?id=7442 This page takes you to the links for the 5 modules. Click on the Course Overview link to begin.
B2S Pilot Implementation

- Recruitment Focused
- Retention Focused
- Underserved Populations
- Standalone/Online/Hybrid
- Different levels of Facilitator Interaction
- Developmental Students
- Adult Basic Education/GED Preparation Programs
- Student Service Programs (FYE, Orientation, Student Success Programs, Tutoring Programs, Library Resources, etc.)
- Jump Start and Pre-College Preparation Programs
- Vocational Training Programs
Pilot Experience and Outreach Examples

• University of Maryland University College – L2L
  • Enrollment to First Day of Class (online)
• Anne Arundel Community College
  • Freshman Year Experience (face to face) – First Time Students
  • Reading and Writing for Success (face to face) – ABE Program
  • Step Up To Success (face to face) – ABE Program
  • MTH SWM – Standalone Course (invited developmental math students - Hybrid)
  • ACA 100 courses – Student Success Courses (hybrid)
  • Student Orientation (online)
• Prince Georges Community College
  • Placement Test Preparation (online and face to face)
  • Student Orientation (online)
  • Team Builders Academy – CASIS Test Prep (face to face)
  • Online Student Support Services (online)
Pilot Experience and Outreach Continued

- Greenville Technical College
  - SWiM and L2L between Enrollment and First Day of Class (Hybrid)
- Shippensburg University
  - Introduction to Higher Education – L2L (Hybrid)
- Department of Labor, Licensing and Regulation
  - State Library System Access and Promotion
  - Workforce Development Programs (ABE, GED, and Vocational Training Programs)
- Baltimore City Mayor’s Office of Employment Development
  - Workforce Development Programs (Vocational Training Programs and GED Preparation Programs, Pre College Prepatory Programs)
Adoption at your Institution

- Target Audience (High School, ABE/GED, returning adult learners, first year students, developmental students, traditional freshman, students in specified courses)
- Recruitment or retention focused (or a combination)
- Select Course Content (L2L, SWiM, or both)
  - Grant Stipends Available for Pilot Adopters (as funds remain available)
    - $1500 Learning to Learn Pilot
    - $2500 Succeed with Math
    - $4000 Piloting both L2L and SWiM
- Incorporate into already existing course, standalone or hybrid
- Face to face, online or hybrid
- Adding value to learning labs or tutoring resource programs
- Bridge between recruitment and enrollment
- How many projected participants
- Support provided by Bridge to Success Project Team Members
A parable ... Stone Soup

http://www.youtube.com/watch?v=xF8VgHb_HkI#t=2m53s (2:53 – 5:04)
For more information about the grant visit b2s.aacc.edu
• OER as a conversation: Sharing, materials, practice

• OER as a continuum
  
  Individual Images
  Standalone Modules
  Course Bits / Open Textbooks
  Whole Courses
  Flickr
  Open Course Library
  OpenLearn
  Saylor
  B2S Courses

• Bridge to Success:
  
  Learning to Learn & Succeed with Math
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