Open Educational Resources (OER)

The most visible impact of the Internet on education to date has been the Open Educational Resources movement (OER)

OER Support Achieving SDG(4) Goal and other SDGs

October 28th 2019 Yarmouk University Irbid Jordan

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Khalaf Hajim Altell
Practice

October 28th 2019

Practice
Repositories
Simulation
Courseware
Books
OER Health
Practice

Seating according to staff Discipline

Share with your colleague
Collaborate with your colleague
How To Search OER
1- Open text initiatives Use Course Title

2- Repositories Use Key words

3- Use ISBN (International Standard Book Number)
1- Searching Open Textbook Initiatives Using Course Title

Open Textbook Initiatives

Community College Consortium for Open Educational Resources

The Assayer
Book reviews and discussion for the free-information renaissance

The Orange Grove
Florida's Digital Repository

The Global Text

STITZ ZEAGER OPEN SOURCE MATHEMATICS
HOME OF THE FREE PRECALCULUS TEXTBOOK

OER OPEN EDUCATIONAL RESOURCES

HippoCampus

Ziominds Learning

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Open textbooks
2- Searching Open Repositories Using Key Words
General Education Search

- OER Commons
- The Orange Grove Digital Repository
- Connexions
- Curriki
- WikiEducator
- Saylor Academy
- Wikiversity
- LiveBinder by Karen Fasimpaur - Open Educational resources: Share, Remix, Learn
- Open Education Europa
Exercise 1: Register and be a member at MERLOT II and OER Commons

- According to your discipline, find:
  1. An Open textbook for your course
  2. A lecture on a topic in your course
  3. Quizzes/tests on a topic

Save your work
Selected Examples

Open Courseware
Open Videos Lectures, simulation, animation
Open Text book
Open Access Repositories, Portals, libraries...
Exercise 2: Register and be a member at:

According to your discipline, find:
2- An animation/simulation on a topic
3- How can you use it in your course?

No need to register

According to your discipline, find:
2- An animation/simulation on a topic
3- How can you use it in your course?

Save your work
Exercise 3: Video Lecture
From the following sites find a video lecture
For a topic in your course

Compare with your lectures at your courses

Save your work
Exercise 4: Explore OEP sites
Register at these sites:

Explore each site
How they can be utilized in your courses
Exercise 5: Explore Open Textbooks sites:

Find a suitable textbook for your course
Exercise 6: Use MIT OCW or other OCWs

According to your discipline, find:
1- An Open textbook
2- A lecture on a topic
3- A video on a topic
4- An animation/simulation on a topic

How can you use it in your class?
END
Selected Resources
Examples of Open Text Books Initiatives (US)

The Assayer
BOOKBOON.com **
UJ Open Textbooks Blog
Community UJ Open Textbook Collaborative
Community UJ Open Textbook Collaborative Ning
Community UJ Consortium for Open Educational Resources: Open Textbooks
California Learning Resource Network (CLRN)
Connexions
E-Books Directory
Feedbooks
Flat World Knowledge **
FreeBooks4Doctors
http://open.campusmanitoba.com/find-open-textbooks/
http://open.umn.edu/opentextbooks/
http://research.cehd.umn.edu/open/open-textbook-network/
http://www.freetechbooks.com/

Free Online Textbooks on Mathematics
FreeTechBooks
Internet Archive
Kahn Academy (Materials Type: Instructional Videos and Exercises)
MERLOT (Materials Type: Textbooks)
OER Commons (Material Type: Textbooks)
Open Textbooks: The Student PIRGs (Make Textbooks Affordable)
OpenStax UJ (Materials Type: Textbooks)
Orange Grove Open Textbooks

Oriental Institute of the University of Chicago
Student Public Interest Research Group (SPIRG) & Faculty Statement of Support of Open Textbooks
Textbook Media **
Textbook Revolution
The Global Text Project
Wikibooks
Open textbooks
English Language
Repositories

OER Resources

Institutional repository

From Wikipedia, the free encyclopedia

An institutional repository (IR) is an online archive for collecting, preserving, and disseminating digital copies of the intellectual output of an institution, particularly a research institution. An institutional repository can be viewed as a "...a set of services that a university offers to members of its community for the management and dissemination of digital materials created by the institution and its community members." For a university, this includes materials such as monographs, eprints of academic journal articles—both before (preprints) and after (postprints) undergoing peer review—as well as electronic theses and dissertations (ETDs).

An institutional repository might also include other digital assets generated by academics, such as...
OER Resources

TRU Libraries

Open Education Resources (OERs) Primer: OER for Faculty

An introduction to the purpose and use of Open Educational Resources (OERs).

Introduction | Creative Commons (Licensing) | OER for Faculty | OER for Students | OER for Librarians

Open Pedagogy

David Wiley - What is Open Pedagogy
Introduction to Openness in Education: David Wiley’s Open Course
This course provides a broad overview of the ways in which openness impacts many areas of education – curriculum, instruction, learning, policy, technology, research, and finance, among others.

OER Repositories

Creative Commons Search
Search a variety of media.

HippoCampus
A free academic web site that delivers rich multimedia content--videos, animations, and simulations--on general education subjects from middle-school to college level.

JORUM
UK. Except where otherwise noted, content on this site is licensed under a Creative Commons Attribution

Open Scholarship

SPARC
SPARC®, the Scholarly Publishing and Academic Resources Coalition, is an international alliance of academic and research libraries working to create a more open system of scholarly communication.

EnablingOpenScholarship
EnablingOpenScholarship (EOS) is an organisation for universities and research institutions worldwide. The organisation is both an information service and a forum for raising and discussing issues around the mission of modern universities and research.
OER Resources

AMSER (Applied Math and Science Education Repository)
California Open Online Library for Education (Cool4Ed) Library of free open textbooks and other materials from the State of California Higher Educations Systems.
Internet Archive
MERLOT II Free, peer reviewed collection of online teaching and learning materials maintained by the California State University System.
MIT OpenCourseWare
OER Commons Digital content hub that offers a suite of OER implementation support and helps faculty get the right OER for their students.
Open Course Library Collection of shareable course materials, including syllabi, course activities, readings, and assessments.
Open Courseware Consortium Free and open collection of high-quality learning materials presented in the form of courses.
Open Michigan
Openstax CNX (formerly Connexions) Contains textbooks, articles, supplements, and other learning resources that can be read online or downloaded for free.
The OrangeGrove Florida's digital repository for instructional resources.
Saylor Academy Nonprofit academy that focuses on creating open courses that are free to all (college and professional levels), completely online and self-paced.
Teaching Commons This repository includes open access textbooks, course materials, lesson plans, multimedia, lectures, and more.
Educational Materials

Dedicated to advancing science education, HHMI provides powerful teaching tools for use in high schools, colleges, and universities across the country, free of charge.

Internet Archive

Internet Archive is a non-profit library of millions of free books, movies, software, music, and more.

MedEdPORTAL

Free online peer-reviewed publication service for medical resources such as teaching materials, assessment tools and faculty development.

MERLOT

The Multimedia Educational Resource for Online Teaching (MERLOT), developed by the California State University Center for Distributed Learning offers access to thousands of open educational materials.

NanoHUB

Provides over 1600 open teaching and learning resources: online presentations; course material; learning modules; podcasts; simulation tools.

OER Commons

OER Commons is a dynamic digital library and network. Explore open education resources and join our network of educators dedicated to curriculum improvement.

Open Course Library

A collection of high quality, free-to-use courses that you can download and use for teaching. All content is stored in Google docs making it easy to access, browse and download.

Open Learning Initiative

Our aim is to combine open, high-quality courses, continuous feedback, and research to improve learning and transform higher education.

The Orange Grove

Florida's digital repository.

Teaching Commons

The Teaching Commons showcases high-quality open educational resources from leading colleges and universities and makes them available to educators and students around the world.

WikiEducator

An evolving online community intended for the planning of education projects linked with the development of free content and the development of free content.
Libraries/Search

- Research Guides
- OER Africa
- Supporting higher education institutions across Africa
- Databases and Resources
- OpenLearn
- Medical Images
- Art & Design Images
- Engineering Images
- Science Images
Practice Simulation
Simulation
Open courseware
OER Health
Open courseware/Health

http://www.sicklecellanaemia.org/
http://www.pbs.org/wgbh/nova/body/
Health Example

Biochemistry

Molecular Genetics (M 211)
Health Simulation
Remote Labs

- NANSLO - SCIENCE RESOURCES
- Remote Labs Around the World
  - BC UBC Thompson Rivers University and HP Catalyst Community.
  - BC UBC provides access to any/most anywhere access to cyber-enabled instrumentation for chemical analysis with the goal of engaging in "innovative" scientific activities.
  - Lab Project: Massachusetts Institute of Technology, Boston, U.S.A.
  - The Lab vision is to share lab experiments as broadly as possible

The NANSLO Mission
NANSLO provides a consortium approach to the development and deployment of high quality, open-source, cross-licensed, current, and cross-curricular experiment.

Survey of Biology
Lab Manual
Health Images

Hematology

Dermatology

ECG

Oral Cavity Subset

Lymphatic Tissues and Organs Subset

General
Simulation
Genetics
Health OER Resources

- Behavioral Sciences (4)
- Dentistry (8)
- Ethics (52)
- Health Services Administration (4)
- Informatics (35)
- Medicine (45)
- Nursing (2)
- Nutritional Sciences (1)
- OER repositories and initiatives (12)
- Optometry (2)
- Pharmaceutics (1)
- Pharmacology (14)
- Public and Community Health (159)
- Reports (12)
- Research Design (9)
- Useful Guides (4)
Text books
I'm looking for Resources

Filter by Subject:
- Unclassified (automatically uploaded) (502)
- Science and technology (283)
- Social sciences (271)
- Humanities (238)
- Applied sciences (211)
- Natural sciences (177)
- Arts (158)
- Others (153)

Unterrichtsmaterialien "Mittelwertberechnung von der ISS"
Institutions: Edutags - Social Bookmarking für Lehrkräfte
Subject: Unclassified (automatically uploaded)

Startseite - PRIMAS - Deutschland
Institutions: Edutags - Social Bookmarking für Lehrkräfte
Subject: Unclassified (automatically uploaded)

Solar Radiation Management (SRM)
Institutions: Edutags - Social Bookmarking für Lehrkräfte
Subject: Unclassified (automatically uploaded)

Medien und Gewalt: Herausforderungen für die Schule
Institutions: Edutags - Social Bookmarking für Lehrkräfte
Subject: Unclassified (automatically uploaded)
Take A Break
3

Open Courseware
Open Simulation
Repositories
Open Courseware
Open courseware

http://www.sicklecellanaemia.org/
http://www.pbs.org/wgbh/nova/body/
Open Educational Resources

In Arabic
Directory of OER repositories

Tweet #OER

Last update: 6th August 2014 –

Thanks to @OERhub team – @nopiedra – @EbbaOssian for sharing the data collected in their projects

After weeks and weeks digging on the internet, reviewing hundreds of OER initiatives, projects, blogs and hashtags, and also harassing other OER enthusiasts and experts in twitter, I managed to develop a first version of a directory of OER repositories.

This version only includes the name of the repository, the URL and the country of the initiative and there are 73 OER repositories associated. If you know any other, if you see that I’m missing one (or many), if you are developing one, or you have any comments, please contact me on twitter @jatenas, as your input is
OER Platforms
OER Platforms

**CK-12**: Read online, print a copy, or use it on any device. Our content can be used with the Kindle, iPad, NOOK, and more.

**Connexions**: Educational content repository and a content management system developed and maintained by Rice University.

**Curriki**: A nonprofit K-12 global community to create share and find free learning resources that enable true personalized learning.

**Khan Academy**: An online collection of thousands of video tutorials on various subjects.

**MERLOT**: A free and open online community of resources for higher education, online learning materials.

**NPTEL** - E-learning through online Web and Video courses in Engineering, Science and humanities streams funded by MHRD, Government of India.

**NROER**: The platform created by National Council for Educational Research and Training (NCERT), India for school level OER.

**OER Commons**: Project created by ISKME.
Open Access
https://www.oerafrica.org/FTPFolder/health/buruli/course_intro/submenus/basics/cover_frameset.htm
“Imagine if the same course is created by a team of educators in each of nearly 200 countries around the world, what duplication of effort must exist. Would decision makers be pleased to hear that the best available learning content had been adapted freely and contextualized to local conditions, saving huge amount of money across all subjects and levels of study?”