

OPEN EDUCATIONAL RESOURCES:

**INTERNATIONAL AND
NATIONAL INITIATIVES**

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What are OERs ?

- Open educational resources (OER) are learning materials that are freely available for use, **remixing** and redistribution.
- “Digitized materials offered freely and openly for educators, students and self-learners to use and re-use for teaching, learning and research”

What are OERs ?

- **Open Educational Resources** are are freely accessible, openly licensed documents and media that are useful for teaching, learning, and assessing as well as for research purposes. (*Wikipedia*)
- **Open educational resources (OER)** are “materials offered freely and openly to use and adapt for teaching, learning, development and research” (**Commonwealth of Learning, COL**)

Definition of OER by William and Flora Hewlett Foundation

- **“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.”**

OER Global Logo



Jonathas Mello, working with UNESCO, has produced OER logo

The logo is a way of creating a common identity for the global OER community of practioners, projects and researchers.

ORIGIN OF OER

- The term "open educational resources" was first adopted at UNESCO's 2002 *Forum on the Impact of Open Courseware for Higher Education in Developing Countries* funded by the William and Flora Hewlett Foundation.

ORIGIN

- The Open Educational Resources movement began in 2001 when the Hewlett and the Andrew W. Mellon foundations jointly funded MIT OpenCourseWare (OCW), the first institution committed to making all of its course materials freely available.
- Since then, more than 60 additional institutions have launched OpenCourseWare Web sites.

William and Flora Hewlett Foundation

- **The William and Flora Hewlett Foundation has been making grants since 1967 to support educational and cultural institutions and to help solve serious social and environmental problems**
- **THE EDUCATION PROGRAM makes grants to stimulate reforms and improve instruction in public schools and community colleges, and to create and distribute free online academic materials.**
- **The *Education Program* is a leader in the growing effort to make high-quality academic content freely available on the Internet for anyone, anywhere in the world. We support innovative ways to share these Open Educational Resources for teaching, learning, and research.**

Open Educational Resources include

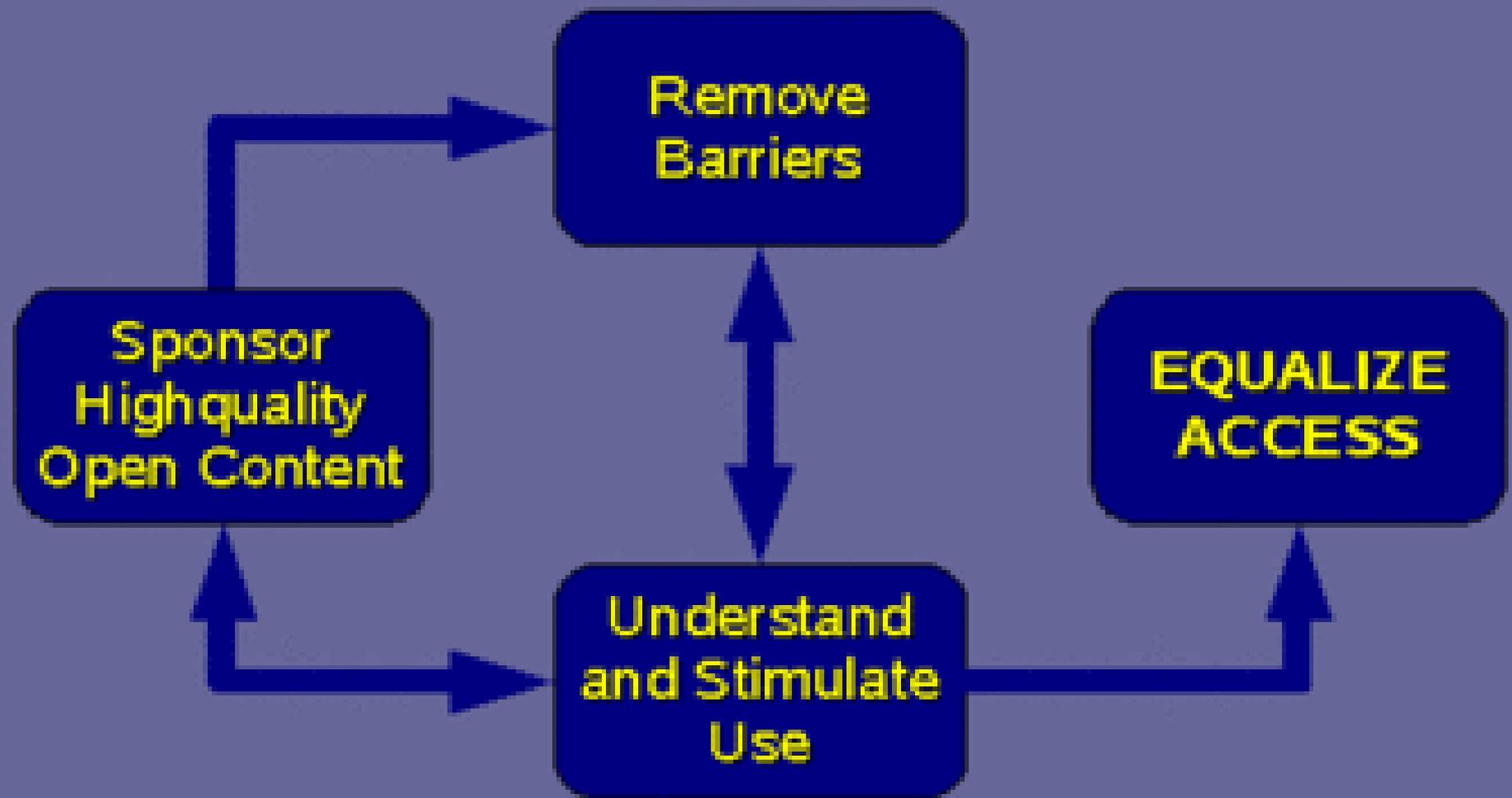
- ***Learning content:*** full courses, course materials, content modules, learning objects, collections, and journals.
- ***Tools:*** Software to support the creation, delivery, use and improvement of open learning content including searching and organization of content, content and learning management systems, content development tools, and on-line learning communities.
- ***Implementation resources:*** Intellectual property licenses to promote open publishing of materials, design-principles, and localization of content.

OER

Learning materials such as:

- ***Learning objects*** (quizzes, crossword puzzles, flashcards, animations, etc.)
- ***Audio lectures***
- **Audio-video lectures**
- **Images**
- **Sounds and music**
- **Entire course content and open courseware**
- **Collections of journal articles and institutional repositories**
- **Textbooks**

Technology – Open Educational Resources Logic Model



BENEFITS OF *OER*

- **Fosters pedagogical innovation and relevance that avoids teaching from the textbook**
- **Broadens use of alternatives to textbooks while maintaining instructional quality**
- **Lowers costs of course materials for students**
- **“4Rs” = Re-use, Re-distribute, Revise and Remix**
- **Democratisation of knowledge**
- **Better, faster, stronger and collaborative education**

LIMITATIONS OF *OER*

- **Quality of available OER materials inconsistent**
- **Materials may not meet Section 508 ADA accessibility or SCORM requirements and must be modified to bring into compliance**
- **No common standard for review of OER accuracy and quality**
- **Need to check accuracy of content (eg: wikis)**
- **Customization necessary to match departmental and/or college curriculum requirements**
- **Technical requirements to access vary**
- **Technological determinism created by the delivery tool**

10 OpenCourseWare sites

1 MIT

2. OpencourseWare Consortium

3. Yale

4. Open.Michigan

5. Johns Hopkins Bloomberg School of Public Health

6. Harvard Medical School

7. Carnegie Mellon

8. Tufts University

9. Notre Dame

10. UC Berkeley

MIT Courseware

- **What is MIT OpenCourseWare?**
MIT OpenCourseWare is a free publication of MIT course materials that reflects almost all the undergraduate and graduate subjects taught at MIT
- **MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity.**

MIT COURSEWARE

- **In 1999, MIT Faculty considered how to use the Internet in pursuit of MIT's mission—to advance knowledge and educate students—and in 2000 proposed OCW.**
- **MIT published the first proof-of-concept site in 2002, containing 50 courses.**
- **By June 2013, MIT completed the initial publication of virtually the entire curriculum, over 2,150 courses in 36 academic departments.**
- **From 2008 AV content added to YouTube and iTunesU**
- **225 mirror sites around the world; 125 million visitors**
- **Going forward, the OCW team is updating existing courses and adding new content and services to the site.**



> **About OCW**

- > OCW Stories
- > Site Statistics
- > OCW Team
- > OCW Advisory Boards
- > Our History
- > President's Message

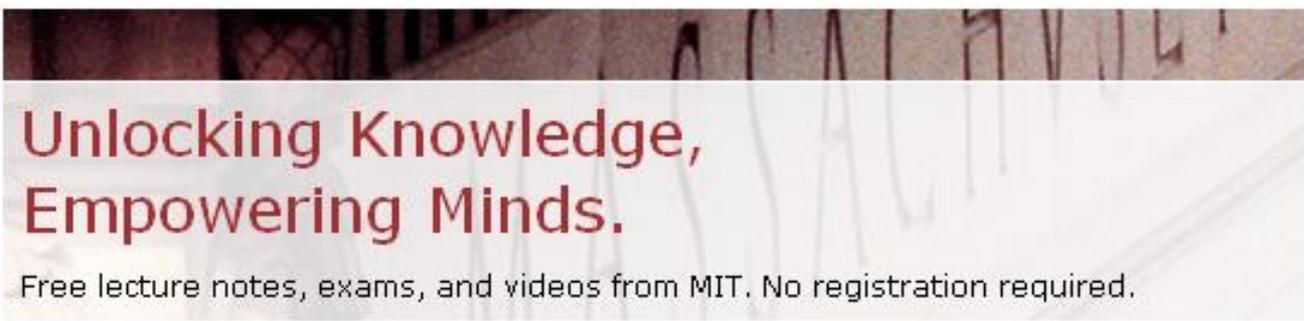
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> **Media Coverage**

- > Press Releases
- > Press Kit

Home > [About OCW](#)



MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity.

What is MIT OpenCourseWare?

MIT OpenCourseWare is a free publication of MIT course materials that reflects almost all the undergraduate and graduate subjects taught at MIT.

- OCW is not an MIT education.
- OCW does not grant degrees or certificates.
- OCW does not provide access to MIT faculty.
- Materials may not reflect entire content of the course.

How do I register to use MIT OpenCourseWare?

There is no registration or enrollment process because OCW is not a credit-bearing or degree-granting initiative.

Can I get a certificate?

No. MIT OpenCourseWare is a publication of the course materials that support the

Courses by Department

- **Aeronautics and Astronautics**
- **Anthropology**
- **Architecture**
- **Athletics, Physical Education and Recreation**
- **Biological Engineering**
- **Biology**
- **Brain and Cognitive Sciences**
- **Chemical Engineering**
- **Chemistry**
- **Civil and Environmental Engineering**
- **Comparative Media Studies**

Courses by Department

- **Earth, Atmospheric, and Planetary Sciences**
- **Economics**
- **Electrical Engineering and Computer Science**
- **Engineering Systems Division**
- **Experimental Study Group**
- **Foreign Languages and Literatures**
- **Health Sciences and Technology**
- **History**
- **Linguistics and Philosophy**
- **Literature**
- **Materials Science and Engineering**
- **Mathematics**

Courses by Department

- **Mechanical Engineering**
- **Media Arts and Sciences**
- **Music and Theater Arts**
- **Nuclear Science and Engineering**
- **Physics**
- **Political Science**
- **Science, Technology, and Society**
- **Sloan School of Management**
- **Special Programs**
- **Supplemental Resources**
- **Urban Studies and Planning**
- **Women's and Gender Studies**
- **Writing and Humanistic Studies**

Stanford's Open courseware

- **Stanford Engineering professors are offering three of the school's most popular computer science courses for free online this fall.**

MIT/Stanford Courseware Platform

- A collaborative development and application of a scalable, sustainable system for Web-enabled education.
- This project addresses what is perceived by many in higher education as a critical need: meaningful, coherent, easy to use Web-based environments for assembling, delivering, and accessing educational resources built on a common, open, architectural framework.

Source: <http://www.educause.edu/library/resources/mitstanford-courseware-platform>

Open.Michigan

- **Open.Michigan** is a collection of open initiatives and projects at the University of Michigan (U-M).
- Open.Michigan supports the open access and use of U-M resources for teaching, learning, and research.
- Open.Michigan promotes open content licensing and supports the reuse, redistribution, and remixing of educational materials for use by others worldwide.

open.michigan

 Recommend 169

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Open.Michigan is a University of Michigan initiative that enables faculty, students, and others to share their educational resources and research with the global learning community. [Learn more >>](#)

Find

View and download **course materials and educational resources**, including lectures, syllabi, and assignments.



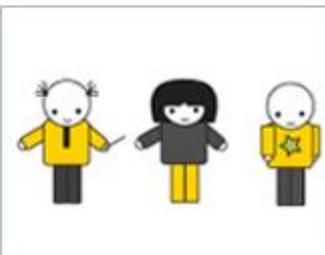
Share

Learn how to create **your own open resources** and share them on the web using our tools and guides.



Connect

Explore **the U-M open community** and its many projects, or learn how our team can support your work.



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Tufts OpenCourseWare (OCW)

- The **Tufts OpenCourseWare (OCW)** project, is a web-based publication of educational material from a number of Tufts University courses
- Provides open sharing of free, searchable, high-quality course content to educators, students, and self-learners throughout the global community.
- The **Tufts OCW** initiative encourages the publication and free exchange of course materials on the World Wide Web.
- First launched in June 2005.

TUFTS OPEN COURSEWARE

TUFTS UNIVERSITY

Search
[HOME](#) | [SCHOOLS](#) | [COURSES](#) | [ABOUT OCW](#) | [TUFTS OER](#) | [HELP](#) | [FEEDBACK](#) | [CONTACT](#) | [SUPPORT](#)

Courses by School



School of Dental Medicine



School of Medicine



Friedman School of Nutrition
Science and Policy



Cummings School of
Veterinary Medicine



School of Arts and Sciences



School of Engineering



The Fletcher School

Why OpenCourseWare?

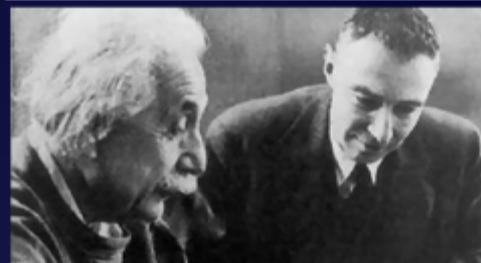
A great university constantly expands its reach, working across traditional boundaries to grasp and meet the global community's most critical needs. This begins with sharing knowledge among colleagues, between departments, among schools and finally across countries and continents.

Tufts OpenCourseWare is part of a new educational movement initiated by MIT that provides free access to course content for everyone online. Tufts' course offerings demonstrate the University's strength in the life sciences in addition to its multidisciplinary approach, international perspective and underlying ethic of service to its local, national and international communities.

Tufts OCW News:

- **New Course:** GIS (Geographic Information Systems) Tutorial Collection. Learn about more courses in the collection.
- What is OCW/OER all about? Watch this video to find out.
- Learn more about open access week, Oct 21-27, 2013.
- Tufts OCW is a sustaining member of the OpenCourseWare Consortium. Learn more about the organization, whose mission is to promote informal learning through worldwide high-quality educational materials.

Physics for Humanists



This course covers facts and concepts of classical and modern physics for the intellectually and emotionally curious, not intending to specialize in the natural sciences.



Tufts OCW

- Publishes Tufts course materials
- Does not require any registration

User Profiles and Statistics



http://www.openculture.com/freeonlinecourses

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- » [Intelligent Video Sites](#)
- » [Free Hitchcock Films](#)
- » [Free Charlie Chaplin](#)
- » [Free John Wayne Movies](#)

MBA Part-Time Study

COMMONWEALTH OF LEARNING

- COL's mission: *Learning for Development*
- Created: Directory of Open Educational Resources (DOER) doer.col.org
 - DOER includes OERs from Commonwealth universities and educational institutions
 - Collections for: Open Schooling; Postsecondary/ Higher education; Teacher education; Technical and Vocational skills Development
- Developed a *Policy on Open Educational Resources*

Take the world's best courses, online, for free.

Join 3,957,311 Courserians.
Learn from 390 courses, from our 83 partners.
[How it works »](#)

STARTING SOON (29)



Software Defined Networking
Georgia Institute of Technology, Jun 24th



Coding the Matrix: Linear Algebra through Computer Science Applications
Brown University, Jul 1st



Introduction to...
University of W...

Global Partners U.S. State Institutions

American Museum of Natural History NEW	Pennsylvania State University	University of California, San Diego
Berklee College of Music	Princeton University	University of California, San Francisco
Brown University	Relay Graduate School of Education NEW	University of California, Santa Cruz
California Institute of Technology	Rice University	University of Colorado Boulder
California Institute of the Arts	Rutgers University	University of Copenhagen
Case Western Reserve University	Sapienza University of Rome	University of Florida
Columbia University	Stanford University	University of Geneva
Commonwealth Education Trust NEW	Technical University of Denmark (DTU)	University of Illinois at Urbana-Champai...
Curtis Institute of Music	Technion - Israel Institute of Technology ...	University of London International Progr...
Duke University	Technische Universität München (TUM)	University of Maryland, College Park
École Polytechnique	Tecnológico de Monterrey	University of Melbourne
École Polytechnique Fédérale de Lausan...	Tel Aviv University NEW	University of Michigan
Emory University	The Chinese University of Hong Kong	University of Minnesota
Exploratorium NEW	The Hong Kong University of Science an...	University of Pennsylvania
Georgia Institute of Technology	The Museum of Modern Art NEW	University of Pittsburgh
Hebrew University of Jerusalem	The Ohio State University	University of Rochester
IE Business School	The University of British Columbia	University of Toronto
Icahn School of Medicine at Mount Sinai	The University of Chicago NEW	University of Virginia
Johns Hopkins University	The University of Edinburgh	University of Washington
Ludwig-Maximilians-Universität Münche...	The University of North Carolina at Cha...	University of Wisconsin-Madison
Match Teacher Residency NEW	The University of Tokyo	Vanderbilt University

Coursera registered learners

- **During its first 13 months in operation, ending March 2013, Coursera registered about 2.8 million learners with**
- **27.7% from the United States**
- **8.8% from India**
- **5.1% from Brazil**
- **4.4% from the United Kingdom**
- **4.0% from Spain**
- **3.6% from Canada**
- **2.3% from Australia**
- **2.2% from Russia**
- **41.9% from the rest of the world**

***OER* COLLABORATION**

- ***Teachers Without Borders***, a non-profit based in Seattle, is currently developing a new OER website where members can take courses, discuss their findings with people around the world, and publish their work, all on the same website.
- Their goal is to connect educators and learners from around the world and give free access to a wide variety of courses, thus helping to close the education divide.

OER PRODUCERS

- MIT Open Courseware
- Foothill-De Anza Community College District, Sharing Of Free Intellectual Assets (Sofia)
- Johns Hopkins Bloomberg School of Public Health OpenCourseWare
- Tufts University OpenCourseWare
- Utah State University OpenCourseWare
- eduCommons
- Carnegie Mellon University, Open Learning Initiative
- Monterey Institute for Technology, Online Advanced Placement courses
- Connexions
- Internet Archive, Education

OER MOVEMENT

- **The Open Educational Resources movement is part of a global effort to make knowledge available to all.**
- **The UNESCO's Virtual University Forum provides an overview about definitions, initiatives, and community-building.**
- **Many repositories of open learning materials are listed at the Open Educational Resources (OER) Index.**

OER MOVEMENT

- **Several websites have become available that provide tools to support the identification, development, use, re-use, collaboration, and delivery of open learning content including searching and organization of content.**
- **Some websites, such as: OER Commons, Open Learn, Open Content, WikiEducator, Connexions, OWL Institute, and OERderves, are devoted to nurturing online learning communities, wikis, and blogs on various aspects of OER.**
- **A new journal has gone online with a focus on OER:**
Eduforge: The International Journal of Open Education Resources.

Massive Open Online Course (MOOCs)

- A massive open online course (MOOC) is an online course aimed at large-scale interactive participation and open access via the web.
- In addition to traditional course materials such as videos, readings, and problem sets, MOOCs provide interactive user forums that help build a community for the students, professors, and teaching assistants (TAs).
- MOOCs are a recent development in distance education.

Benefits of Massive Open Online Course (MOOCs)

- 1. You can organize a MOOC in any setting that has connectivity (which can include the Web, but also local connections via Wi-Fi e.g.)**
- 2. You can organize it in any language you like (taking into account the main language of your target audience)**
- 3. You can use any online tools that are relevant to your target region or that are already being used by the participants**
- 4. You can move beyond time zones and physical boundaries**

Benefits of Massive Open Online Course (MOOCs)

- 1. It can be organized as quickly as you can inform the participants (which makes it a powerful format for priority learning in e.g. aid relief)**
- 2. Contextualized content can be shared by all**
- 3. Learning happens in a more informal setting**
- 4. Learning can also happen incidentally thanks to the unknown knowledge that pops up as the course participants start to exchange notes on the course's study**

Benefits of Massive Open Online Course (MOOCs)

- 9. You can connect across disciplines and corporate/institutional walls.**
- 10. You don't need a degree to follow the course, only the willingness to learn (at high speed)**
- 11. You add to your own personal learning environment and/or network by participating in a MOOC.**
- 12. You will improve your lifelong learning skills, for participating in a MOOC forces you to think about your own learning and knowledge absorption**

WIKIPEDIA

- **Wikipedia** shows how users can become active “resource” creators and how those resources can be re-used and freely maintained
- **WikiEducator** is providing free Learning for Content workshops on how to use the wiki and develop OER.

WikiEducator

- **WikiEducator** is a dynamic and exciting community of educators who believe passionately that learning materials should be free and open
- It is an evolving community intended for the collaborative: **planning** of education projects linked with the development of free content
- **development** of free content on Wikieducator for e-learning;
- work on building **open education resources** (OERs) on **how** to create OERs.
- networking on **funding proposals** developed as free content.
- **Website:** www.wikieducator.org/



Join our [WikiEducator discussion group](#) or [Register now](#) for **free skills** training.

Welcome to WikiEducator

Just Try It! Our community will support you

Browse:

- [Content](#)
- [Projects & Initiatives](#)
- [Research](#)
- [Networks](#)

[About](#) | [Using WikiEducator](#) | [FAQs](#)

We're turning the digital *divide* into digital *dividends* using **free content** and **open networks**. We hope you will join us.

The purpose of WikiEducator

The WikiEducator is an evolving community intended for the collaborative:

- **planning** of education projects linked with the development of **free content** ;
- **development** of free content on [Wikieducator](#) for e-learning;
- work on building **open education resources** (OERs) on **how** to create OERs.
- networking on **funding proposals** developed as free content.

Join us today ~ You'll be glad you did!

Please join us in developing free and open educational content for the world!

Get started today and [register now](#) for free wiki training.



WikiEducator is a dynamic and exciting community of educators who believe passionately that learning materials should be free and open to all. Listen to **Desmond Tutu on freedom in education** and check out the exciting **roles** in our community.

Featured institution



Otago Polytechnic in New Zealand -- a signatory of the [Cape Town Open Education Declaration](#) -- is

In the news

News



WikiEducator leads a global education collaboration. Otago Daily Times publishes an [interview](#) with [Wayne Mackintosh](#). To paraphrase Mahatma Gandhi - "WE can be the change you wish to see in the world".

The OER Foundation poised to become an international leader in open education.

The Open Education Resource (OER) Foundation was officially launched on 17 September 2009 by Dr Robin Day, Chair of the board of Directors of the OER Foundation to coincide with [Software Freedom Day](#). WikiEducators around the world joined the OER Foundation in signing the [Cape Town Open Education Declaration](#) to mark the launch of this new not-for-profit. [Read more ...](#)



[The William and Flora Hewlett Foundation](#) award the OER Foundation \$200,000 to support WikiEducator to improve content interoperability and further support for training through the [Learning4Content](#) project.

Upcoming Events

A new 10-day workshop [Learning4Content Online workshop](#) is scheduled to teach the new Rich Text

navigation

- [Main Page](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)
- [Practice editing](#)

community

- [Community portal](#)
- [Web chat](#)
- [Mailing list](#)

create a book

- [Add wiki page](#)
- [Books help](#)

search

Search input field with 'Go' and 'Search' buttons.

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)
- [PDF version](#)
- [Collaborative Video](#)
- [OOo Converter](#)
- [Subpages](#)

in other languages

- [Español](#)

Wikiversity

- ***Wikiversity*** is a Wikimedia Foundation project devoted to learning resources, learning projects, and research for use in all levels, types, and styles of education from pre-school to university, including professional training and informal learning.
- Teachers, students and researchers are invited to join in creating open educational resources and collaborative learning communities.
- Website: *www.wikiversity.org/*



Why create a Wikiversity account?

Wikiversity:Main Page

Welcome to Wikiversity

Set learning free

with 12,485 learning resources and growing.



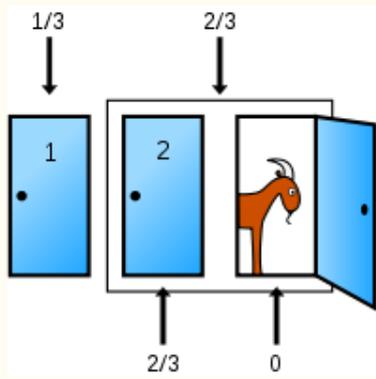
"Knowledge grows when shared." -Bhartrihari (discuss)

Welcome

Wikiversity is a Wikimedia Foundation project devoted to learning resources, learning projects, and research for use in all levels, types, and styles of education from pre-school to university, including professional training and informal learning. We invite teachers, students, and researchers to join us in creating open educational resources and collaborative learning communities. To learn more, try a guided tour or start editing now.

Today's Featured Project

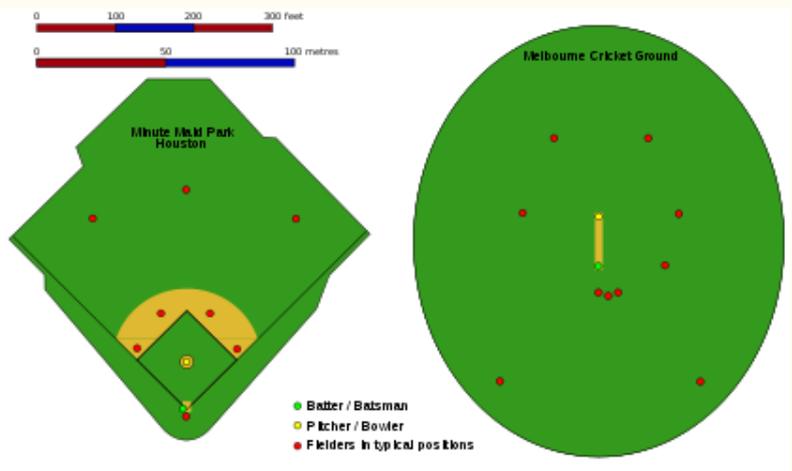
Economic Classroom Experiments



Economic Classroom Experiments is a growing collection (currently 26 resources) of lesson plans and ideas for

Educational Picture of the Day

Baseball and Cricket Compared



A comparison of a baseball field (Minute Maid Park, Houston) and a

Explore



Wikiversity

Catalogue | Guided tours

[-] Resources by level

- Portal:Pre-school Education
- Portal:Primary Education
- Portal:Secondary Education
- Portal:Tertiary Education
- Portal:Non-formal

search [input field] Go Search

- navigation
- Main Page
 - Browse
 - Recent changes
 - Guided tours
 - Random
 - Help
 - Donate

- community
- Portal
 - Colloquium
 - News
 - Projects
 - Sandbox
 - Help desk

- print/export
- Create a book
 - Download as PDF
 - Printable version

- toolbox
- What links here
 - Related changes
 - Special pages
 - Permanent link

- in other languages
- Česky

WIKTIONARY

- **Blend of word: *wiki* and *dictionary***
- **A collaborative pro(ject run by the Wikimedia Foundation to produce a free and complete dictionary (lexicon and thesaurus therein) in every language.**
- **Online free dictionary (Wiki based open content dictionary)**
- **Available in 158 languages and in simple English**

challenges

- **Resources (for faculty)**
- **Training (Faculty and Learners)**
- **Technical assistance**
- **Software (Tool kits for development)**
- **Hardware (Computer lab and equipment)**
- **Copyright and IPR issues**
- **Quality Assurance**
- **Delivery mechanisms (web portals & bandwidth)**

LICENSING OF *OER*

- **Creative Commons:** CC is an organisation that provides ready-made licensing agreements that are less restrictive (than copyright).
- **GNU General Public License** from FOSS , which is used for OER software

What is Creative Commons?

- **CC is a non-profit organization headquartered in Mountain View, California, USA.**
- **Creative Commons enables the sharing and use of creativity and knowledge through free legal tools.**
- **Free, easy-to-use copyright licenses provide a simple, standardized way to give the public permission to share and use your creative work — on conditions of your choice.**

OER Commons



OER Commons is a freely accessible online library that allows teachers and others to research and discover OER and other freely available instructional materials.

Launched in 2007

Resources are organized on subject areas, Grade levels, Material types, Media formats, Courses/Libraries.

Website:

<https://www.oercommons.org>



how to search oer commo... x Browse OER Materials | OE... x +

https://www.oercommons.org/oer

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- Art & Social Justice
- Open Textbooks
- K-12 Textbooks

Subject Areas		Grade Levels	
Arts	(3268)	Primary	(19887)
Business	(1431)	Secondary	(51511)
Humanities	(19659)	Post-secondary	(63802)
Mathematics and Statistics	(19895)	Informal Education	(0)
Science and Technology	(69669)		
Social Sciences	(59986)		

The Need for Open Textbooks

- **A report issued by the United States Government Accountability Office shows how quickly the cost of textbooks has grown over the last decade.**
- **Creative Commons believes that open educational resources can provide affordable and flexible opportunities for students and faculty.**
- **Hundreds of millions of works — from songs and videos to scientific and academic material — available to the public for free and legal use**

OER Projects

- **2 OER projects**
- **2.1 BSSD OpenContent Project**
- **2.2 California Open Source Textbook Project**
- **2.3 Capital Market Wiki**
- **2.4 Cardionetworks**
- **2.5 ccLearn**
- **2.6 Community College Consortium for OER**
- **2.7 Community College Open Textbook Project**
- **2.8 Connexions**
- **2.9 Curriki**
- **2.10 Edplum**
- **2.11 Free High School Science Texts**
- **2.12 Global Text Project**
- **2.13 Internet Archive: Education**
- **2.14 K12 Open Ed Kids Open Dictionary**
- **2.15 LearnScope**

OER Projects

- **2.16 LeMill**
- **2.17 Marco Polo**
- **2.18 MIT Open Course Ware**
- **2.19 OpenCourse**
- **2.20 OER Commons**
- **2.21 OpenLearn**
- **2.22 OER Repository New Zealand**
- **2.23 Open-Of-Course**
- **2.24 Open Planner**
- **2.25 OWL Institute**
- **2.26 Qedoc**
- **2.27 SOCKS**
- **2.28 Sofia**
- **2.29 Siyavula**
- **2.30 Tapped In**

OER Projects

- 2.31 Teachers Without Borders
- 2.32 twidox
- 2.33 We The Teachers
- 2.34 Wikibooks
- 2.35 WikiEducator
- 2.36 Wikigogy
- 2.37 WikiJET
- 2.38 Wikilectures
- 2.39 Wikiskripta
- 2.40 WikiTeach
- 2.41 Wikiversity
- 2.42 Wolne Podreczniki
- 2.43 Academic Library

OER Handbook

- The handbook is designed to help educators find, use, develop and share OER to enhance their effectiveness online and in the classroom.
- Experience using a word processor (e.g. Open Office or Microsoft Word) and basic media production software, such as an image editor (e.g. Gimp, Inkscape or Photoshop).
- Source: Wiki educator

Join our [WikiEducator discussion group](#) or [Register now](#) for **free skills** training.

OER Handbook for Educators

< [OER Handbook](#)

OER Handbook for educators

Contents

| [Introduction](#) | [Find](#) | [Compose](#) | [Adapt](#) | [Use](#) | [Share](#) | [License](#) | [Conclusion](#) | [Appendices](#)

navigation

- [Main Page](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)
- [Practice editing](#)

community

- [Community portal](#)
- [Web chat](#)
- [Mailing list](#)

create a book

- [Add wiki page](#)
- [Books help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)

Open Educational Resources Educator Handbook



Contributions

The OER Handbook would not be possible without the help of contributors throughout the world. Your contributions are needed and welcome. In order to edit the handbook you will need to register with WikiEducator. Registration is simple and your information is not sold or given away to third-parties. To register, click "Log in/create account" in the right-hand corner.

In this handbook

Commonwealth of Learning (COL)

- The **COL** is an intergovernmental organisation created by Commonwealth Heads of Government to encourage the development and sharing of open learning/distance education knowledge, resources and technologies.
- COL is helping developing nations improve access to quality education and training.
- It helps to increase access to learning using distance education and appropriate technologies.



See what COL has to offer you.
Information for ...

**KNOWLEDGE
FINDER** **ODL**
COL's custom web search

NEW BOOK:

**Perspectives on
Distance Education:
Open Schooling
in the 21st Century**

[DOWNLOAD BOOK](#)

Achieving the MDGs

Achieving the MDGs will require a massive expansion of human learning. Traditional methods of education and training cannot address the scope and scale of the task.
[more...](#)

Connections

FEBRUARY 2010 NEWSLETTER includes VUSSC Workshop in Samoa; PCF6 in India; Lifelong Learning for Farmers in Sri Lanka; Honorary COL Advisors named; Open Schooling; Meeting the Growing Demand for Teacher Education; Mega-Schools, technology and teachers; New Resources; and EdTech News.
[more...](#)

VUSSC

On behalf of Commonwealth Ministers of Education, the development of the Commonwealth University System (CUSU) Thirty countries are actively engaged in VUSSC a

News Service

Our daily bulletin on



Publications

A wide range of studies, reports

PCF6

KHAN ACADEMY

- **Web address:** www.khanacademy.org
- **Nature:** Online education (video tutorials stored on Youtube); over 300 million lessons
- **Slogan:** “A free world-class education for anyone anywhere” (Non-profit organization)
- **Created by:** Salman Khan in September 2006
- **Subjects cover:** Mathematics, history, healthcare, medicine, finance, physics, chemistry, biology, astronomy, economics, cosmology, organic chemistry, etc.
- **Support:** Bill & Melinda Gates Foundation; Google

KHAN ACADEMY

**6 types of Badges: Meteorite, Moon, Earth, Sun, Black hole badges, and Challenge patches
(easy to harder to earn by the learners)**

Video library with over 4300 videos on various topics;

Over 260 million lessons;

Automated exercises with continuous assessment

Courses for students

Coaches, Parents and Teachers can track their students' progress

Log in with Face book or Google

Start learning now

Completely free, forever.



Sign in with Facebook



Sign in with Google

Sign up with email. By clicking "Sign up" you agree to our [Terms of Service](#) and [Privacy Policy](#).

Teachers, start here

Salman Khan

The founder of the organization, Salman Khan, was born and raised in New Orleans, Louisiana, United States to a father from Barisal, Bangladesh and mother from Calcutta, India. After earning three degrees from the Massachusetts Institute of Technology (a BS in mathematics, a BS in electrical engineering and computer science, and an MEng in electrical engineering and computer science) he pursued an MBA from Harvard Business School.



ALISON (Company)

- **ALISON (Advance Learning Interactive Systems Online) is an e-learning provider founded in Galway, Ireland in 2007 by social entrepreneur, Mike Feerick.**
- **ALISON is cited in industry literature as the first MOOC, pioneering the systematic aggregation of online interactive learning resources made available worldwide with a freemium model**
- **Web address: www.alison.com**
- **Slogan: “A new world of free certified learning”**
- **Launched in: April 2007 (online education)**
- **ALISON has delivered 60 million lessons and records 1.2 million unique visitors per month; there are 250,000 graduates of its 500+ courses as of January 2013.**



A NEW WORLD OF FREE CERTIFIED LEARNING



What do you want to study today?

Sign in with Yahoo!

Email

Forgot your password?

"ALISON provides a new world of free online learning opportunity" UNESCO

COURSES

- By Category
- By Subject
- By Publisher

STUDY LEVEL

- Diploma
- Certificate
- All Courses

MY ACCOUNT

- Dashboard
- Certificates
- Progress

TOOLS

- Classroom
- Publishing
- Translate

ACHIEVE

- About
- Sitemap
- Help

What do you want to study today?

COURSE CATEGORIES

POPULAR COURSES



BUSINESS AND ENTERPRISE SKILLS

82 Free Courses



FINANCIAL & ECONOMIC LITERACY

36 Free Courses



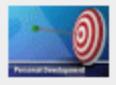
HEALTH & SAFETY & COMPLIANCE

31 Free Courses



HEALTH LITERACY

50 Free Courses



PERSONAL DEVELOPMENT & WELLBEING

38 Free Courses



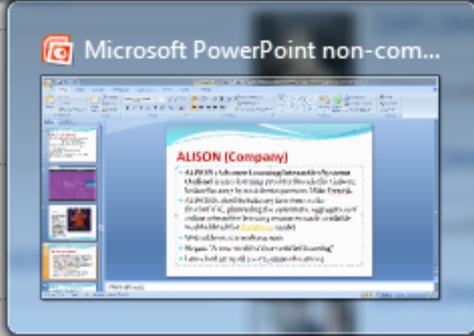
DIPLOMA IN CUSTOMER SERVICE

1711 Certified | Connexions | Factsheet



DIPLOMA IN BUSINESS MANAGEMENT & ENTREPRENEURSHIP

Microsoft PowerPoint non-commercial use - [OERs VCSRAO 27-10-2013 [Compatibility Mode]]



... | XSIQ | Factsheet | Demo

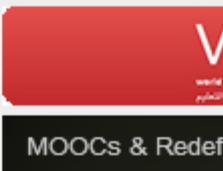
DIPLOMA IN LEGAL STUDIES

... | XSIQ | Factsheet

DIPLOMA IN HUMAN RESOURCES

... | OpenLearn | Factsheet | Demo

DIPLOMA IN PROJECT MANAGEMENT



By Subject [edit]

A

- [Accounting](#)
- [Anatomy](#)
- [Arabic](#)
- [Artistic Techniques](#)

B

- [Banking](#)
- [British Council](#)

C

- [Career Development](#)
- [Childcare Studies](#)
- [Communication Technology](#)
- [Computer Basics](#)
- [Customer Service](#)

D

- [Digital Creative Design](#)

E

- [Economics](#)
- [Electrical Engineering](#)
- [Engineering](#)
- [English](#)
- [Entrepreneurial Skills](#)
- [Environment](#)

F

- [Finance](#)
- [French](#)

G

- [Game Development](#)
- [Gardening](#)
- [Geography](#)
- [German](#)

H

- [Health & Fitness](#)
- [Health Management](#)
- [History](#)
- [Human Resources](#)

I

- [Information Technology](#)
- [Investment](#)
- [Irish](#)

L

- [Law & Legal Skills](#)

M

- [Management](#)
- [Manufacturing](#)
- [Marketing & Sales](#)
- [Maths](#)
- [Multimedia Technology](#)
- [Music](#)

O

- [Office Skills](#)

ALISON have targeted 'globally recognized individuals who are subject-matter experts in their field',^[14] such as award-winning multin

LEARN STREET

- **LearnStreet** is a company that provides an online education website for computer programmers. The website offers beginner level courses for Ruby, Python, and JavaScript.
- In 2012 the company received USD \$1 million in venture capital from Khosla Ventures.
- Web address: www.learnstreet.com

CODING STARTS HERE

For Learners

Get started with a free beginner course in Python, JavaScript or Ruby

[Start Learning](#)



For Teachers

Teach how to code with our Teacher Tools

[Start Teaching](#)



FREE COURSES

- Courses Include:



FUN PROJECTS

- Code your favorite



TEACHER TOOLS

- Class performance

UDACITY

- ***Udacity* is a for-profit educational organization founded by Sebastian Thrun, David Stavens, and Mike Sokolsky offering massive open online courses (MOOCs).**
- **According to Thrun, the origin of the name Udacity comes from the company's desire to be "audacious for you, the student".**
- **Web address: www.udacity.com**
- **Launched in: Feb 2012**

CHINA OPEN RESOURCES FOR EDUCATION

- **CORE** is a non-profit organization. Its mission is to promote closer interaction and open sharing of educational resources between Chinese and international universities, which CORE envisions as the future of world education.

The mission of CORE is to:

- Coordinate use of open courseware from MIT and other universities within China
- Enhance the quality of education in China
- Offer Chinese open courseware for sharing globally

CHINA OPEN RESOURCES FOR EDUCATION

Objectives

- **CORE's objective is to build a wide network of users and content:**
- **500 to 1000 universities, educational institutions, and industrial partners**
- **10 to 20 million users**
- **More than 5,000 courses, modules, or subject items**
- **Free access via Internet and existing satellite networks**

FLAT WORLD KNOWLEDGE

- **Flat World Knowledge is a publisher of college-level textbooks and educational supplements**
- **Founded in 2007 by Eric Frank and Jeff Shelstad.**
- **Its company headquarters are in Washington, DC.**
- **The company originally offered every textbook published for free using online delivery under the open content paradigm, but in November 2012, the company announced that it will no longer offer a free version citing financial concerns as the reason for the change**



Logos

The logo is available in two formats. The logo in PNG format is best suited for on-screen and Office applications. The logo in EPS format is best suited for professional printing and desktop publishing applications. The EPS logo is provided in color and grayscale, as well as in horizontal and stacked formats.

Click on the links below to download.

Attachment	Size
Horizontal-Grayscale.eps	371.1 KB
Horizontal-OrangeBlack.eps	376.58 KB
Horizontal-OrangeBlack.png	4.06 KB
Horizontal-OrangeWhite.eps	371.47 KB
Horizontal-OrangeWhite.png	4.35 KB
Stacked-Grayscale.eps	457.79 KB
Stacked-OrangeBlack.eps	466.21 KB
Stacked-OrangeBlack.png	4.04 KB
Stacked-OrangeWhite.eps	448.53 KB

CONNEXIONS

- **Connexions** is a global repository of educational content provided by volunteers.
- The platform is provided and maintained by Rice University.
- The collection is available free of charge, is available for remixing and editing, and is available for download in various digital formats.



- Home
- Content
- Lenses
- About Us
- Help
- MyCNX

You are here: [Home](#)

Connexions is:

a place to view and share educational material made of small knowledge chunks called modules that can be organized as courses, books, reports, *etc.* Anyone may view or contribute:

- **authors** create and collaborate
- **instructors** rapidly build and share custom collections
- **learners** find and explore content

[More about us ...](#)

FEATURED CONTENT

[OpenStax College Physics](#)



This 1300 page introductory, algebra-based, two-semester college physics book is grounded with real-world examples, illustrations, and explanations to help students grasp key, fundamental physics concepts.

[College Physics](#) is the first of a planned 20 college textbooks to be released by [OpenStax College](#). This online, fully editable and customizable title includes

learning objectives, conceptual questions, links to labs and simulations, and ample practice opportunities to solve traditional physics application problems.

[OpenStax College Introduction to Sociology](#)

FIND CONTENT

22657 reusable modules woven into 1373 collections.

or browse by ...

Subject

Language

Popularity

Title, author, etc.

- [Arts](#)
- [Business](#)
- [Humanities](#)
- [Mathematics and Statistics](#)
- [Science and Technology](#)
- [Social Sciences](#)

CREATE CONTENT

Creating content in Connexions is as easy as 1, 2, 3:



1 Get an account and log in to your workspace.



2 Make a module from scratch or convert it from a Word doc.



3 Publish your work sharing them with world.

Jump right in

- [Get an account](#)
- [How to create a module in minutes](#)

Guides and tutorials

- [New author guide](#)
- [Connexions Tutorial and Reference](#)

2012 WORLD OPEN EDUCATIONAL RESOURCES (OER) CONGRESS

- UNESCO, PARIS, JUNE 20-22, 2012
- 2012 PARIS *OER* DECLARATION
- ***A) Foster awareness and use of OER.***
- ***B) Facilitate enabling environments for use of Information and Communications Technologies (ICT).***
- ***C) Reinforce the development of strategies and policies on OER.***
- ***D) Promote the understanding and use of open licensing frameworks***

Source: <http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/CI/CI/pdf/Events/Paris%20OER%20Declaration.pdf>

2012 WORLD OPEN EDUCATIONAL RESOURCES (OER) CONGRESS

- UNESCO, PARIS, JUNE 20-22, 2012
- 2012 PARIS OER DECLARATION
- *H) Encourage research on OER.*
- *i) Facilitate finding, retrieving and sharing of OER.*
- *J) Encourage the open licensing of educational materials produced with public funds.*

Source:

<http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/CI/CI/pdf/Events/Paris%20OER%20Declaration.pdf>

2012 PARIS OER DECLARATION



The Declaration is aimed at encouraging governments to contribute to the awareness and use of OER and to develop policies and strategies to integrate in Education.

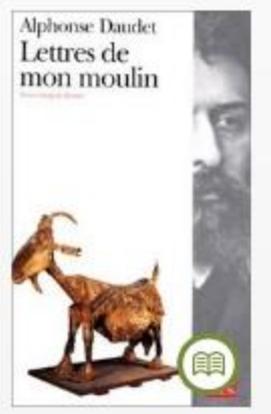
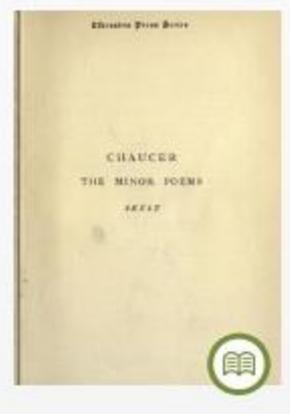
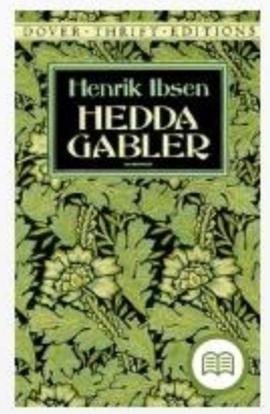
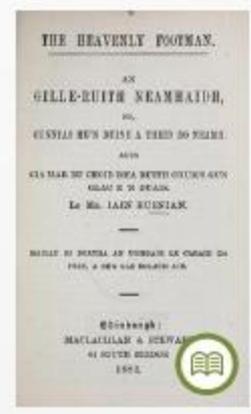
Unesco in collaboration with COL has undertaken activities based on these 10 points.

OPEN LIBRARY

- **Open Library is an online project intended to create "one web page for every book ever published".**
- **Created by Aaron Swartz, among others, Open Library is a project of the non-profit Internet Archive and has been funded in part by a grant from the California State Library and the Kahle/Austin Foundation.**
- **Its book information is collected from LC, Amazon, etc.**
- **It claims to have 6 million authors and 20 million books**
- **A button labelled "Read" appears on catalog listing**
- **Links to where books can be borrowed or purchased**



Books to Read The World's classic literature at your fingertips. Over [1,000,000 free ebook titles](#) available.



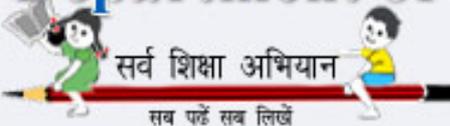
The "Return Cart" Here's a sample of recently returned books from the [eBook lending library](#).

Indian efforts

- SIRVA Siksha Abhiyan
- The National Knowledge Commission
- The National Mission on Education through ICT
- Brihaspati and Vmukti
- Sakshat
- NPTEL
- E Patashala
- eGyanKosh
- Vidyanidhi
- NCERT Online Textbooks
- Ekalavya
- E kalpa



Department of School Education & Literacy



सर्व शिक्षा अभियान

सब पढ़ें सब लिखें

(स्कूल शिक्षा और साक्षरता विभाग)



Government of India

[Secondary Education](#) || [Adult Education](#) || [Technical Education](#) || [Higher Education](#) || [Scholarships](#) ||
[Book Promotion](#) || [Autonomous Bodies](#) || [Announcements](#) || [National Policy on Education](#) || [Home](#)

SARVA SHIKSHA ABHIYAN

A PROGRAMME FOR UNIVERSAL ELEMENTARY EDUCATION
FRAMEWORK FOR IMPLEMENTATION

Page No: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#)

CONTENTS

SECTION-I

SSA FRAMEWORK

- » BASIC FEATURES OF SARVA SHIKSHA ABHIYAN
- » PLANNING, APPRAISAL, AND FUND FLOWS UNDER SARVA SHIKSHA ABHIYAN
- » MANAGEMENT STRUCTURE FOR PROGRAMME IMPLEMENTATION AND INTEGRATION WITH CURRENT EFFORTS
- » MONITORING OF PROGRAMME IMPLEMENTATION
- » COVERAGE OF SPECIAL FOCUS GROUPS
- » QUALITY ISSUES IN ELEMENTARY EDUCATION
- » IMPROVEMENT OF SCHOOL FACILITIES AND OTHER CIVIL WORKS

SECTION-II

FREQUENTLY ASKED QUESTIONS (FAQs)

SECTION-III

MINUTES OF MEETING OF THE PROJECT APPROVAL BOARD OF SSA

SECTION-IV

OUTLAY APPROVED STATE-WISE UNDER SSA & DPEP 2002-03

SECTION-V

GRANTS RELEASED TO VARIOUS STATES / UTs UNDER SSA & DPEP 2002-03

AN ENVIRONMENTAL STUDY [Part-1] [Part-2]

EDUCATION OF TRIBAL CHILDREN

OUTLAY APPROVED AND GRANT RELEASED UNDER SSA DURING 2004-05

PAB APPROVALS FOR 2004-05 UNDER SSA - STATE-WISE

OUTLAY APPROVED UNDER DPEP DURING 2004-05



Towards a Knowledge Society:
a Movie on National Knowledge Commission



The National Knowledge Commission is a high-level advisory body to the Prime Minister of India, with the objective of transforming India into a knowledge society. In its endeavour to transform the knowledge landscape of the country, the National Knowledge Commission has submitted around 300 recommendations on 27 focus areas during its three and a half year term. While the term of the NKC has come to an end, the implementation of NKC's recommendations is currently underway at the Central and State levels.



Report to the Nation
National Knowledge Commission
Final Report 2006-2009

[View>>](#)



Glimpses from the North-East
National Knowledge Commission
Book on North East

[View>>](#)



Entrepreneurship in India
National Knowledge Commission
Report on Entrepreneurship

[View>>](#)



Innovation in India
National Knowledge Commission
Report on Innovation

[View>>](#)



India Biodiversity Portal
(www.indiabiodiversity.gov.in)



Teachers of India
(www.teachersofindia.org)

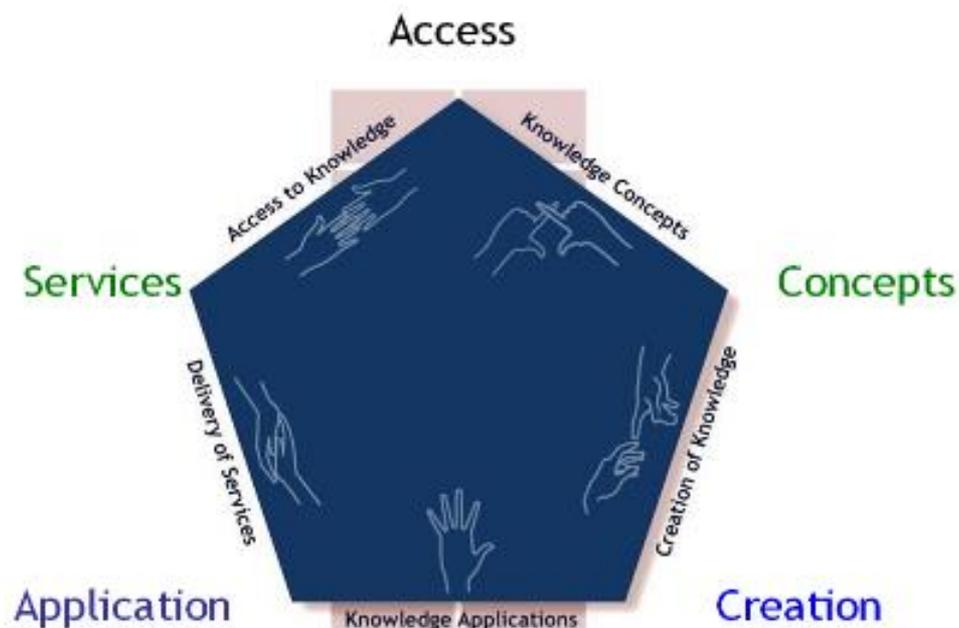


India Environment Portal
(www.indiaenvironment.gov.in)



> RECOMMENDATIONS

The National Knowledge Commission deliberations have focused on five key areas of the knowledge paradigm – access to knowledge concepts, knowledge creation, knowledge application and development of better knowledge services.



The National Mission on Education Through ICT (NME-ICT)

- **A Centrally sponsored scheme sponsored scheme to leverage the potential of ICT in Education**
- **E-learning using EduSat and DTH platforms**
- **Online interact with teachers**
- **E Patashala**

Sakshath

<http://www.ignouonline.ac.in/sakshat/>

- **Educational Resources:** To explore the world of web based knowledge resources
- **Scholarship:** Know about scholarship opportunities and details
- **Testing:** Test and upgrade your knowledge and skills
- **Interact:** Interact with your teacher/mentor in real time



सत्यमेव जयते

Sakshat

New Vistas For All-round Education
The One Stop Education Portal



सत्यमेव जयते

N.K. Sinha, IAS
Joint Secretary [DL/T]
Tel : 011 – 23387781
FAX : 011 – 23388492
E.mail : nksinha.edu@nic.in

भारत सरकार
मानव संसाधन विकास मंत्रालय
उच्चतर शिक्षा विभाग
शास्त्री भवन
नई दिल्ली - 110 115
GOVERNMENT OF INDIA
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
DEPARTMENT OF HIGHER EDUCATION
SHASTRI BHAVAN
NEW DELHI-110 115

D.O.No.F. 16-3/2009-DL

9th January, 2009

Dear Sir / Madam,

As you may be aware the Cabinet Committee on Economic Affairs has approved the proposal for a new Centrally Sponsored Scheme by the name of National Mission on Education through Information and Communication Technology (ICT) submitted by the Department of Higher Education, Ministry of Human Resource Development.



सत्यमेव जयते

Sakshat

New Vistas For All-round Education
The One Stop Education Portal



User Category **General** Login ID Password [Sign In](#) || [New User](#) || [Forgot password??](#)

- JAPANESE Government Scholarship 2011 **News**
- Korean Government Scholarship 2010 **News**
- Turkish Government Scholarship 2010-2011 **News**
- National Mission on Education through ICT (Upload Proposal)
- Mission Document (English)
- Mission Document (Hindi)
- Recent Circulars **News**
- List of Sanctioned Projects **News**
- Minutes of Project Approval Board **News**
- Pilot Sanctioned DPR **News**
- Minutes of Project Coordinators **News**
- Minutes of Standing Committee **News**
- Website of Sanctioned Projects **News**
- Min of App Committee **News**

Educational Resources	Scholarship	Testing	Superachiever	Interact
-----------------------	-------------	---------	---------------	----------

<p>Explore the world of web based knowledge resources.</p>	<p>Know about scholarship opportunities and details.</p>	<p>Test and upgrade your knowledge and skills through online testing and evaluation. For some of these services you need to login.</p>	<p>Want to be a superachiever? Click here to get support.</p>	<p>Interact with your teacher/mentor or cohort group in real time or asynchronously. To use these services you need to login</p>
--	--	--	---	--

E-CONTENT FOR PG COURSES

- **UGC (NME-ICT Project of MHRD) SANCTIONED Rs.84 CRORES**
- **6-MEMBER STANDING COMMITTEE CONSTITED**
- **77 SUBJECT AREAS IDENTIFIED**
- **FIRST PHASE COVERS 35 SUBJECTS**
- **SUBJECT COORDINATORS IDENTIFIED (SENIOR/ RETIRED TEACHERS)**
- **WORKSHOPS FOR COORDINATORS PLANNED**
- **MULTIMEDIA-ENRICHED E-CONTENT, E-QUIZZES, AV LECTURES, E-LABS**
- **WILL BE POSTED ON E-PG PATHASHALA PORTAL**

GAUTAM BUDDH TECHNICAL UNIVERSITY, LUCKNOW

- **Formerly Uttar Pradesh Technical University (UPTA)**
- **Proposes to provide high-quality e-content for technical courses and disseminating through high speed Internet**
- **14 Nodal centres for recording AV**
- **Live webcasting of lectures**
- **2 high-end IBM and HCL Web servers planned**
- **GOI granted Rs.3 crores & Rs.98 lakhs by UP Govt.**



Brihaspati
Software Solutions

Simplifying With Open Source



HOME

Welcome to Brihaspati Software Solutions

Establish in 2006 in India, the organization is dedicated to developing high quality, user friendly software products for all platforms, to provide full service for affordable offshore web site design, to provide support for web application development, and to provide support and customization services for open source software's. We focus on software solutions at low prices serving the needs of businesses, corporate, government as well as individuals. Our products are designed to make your tasks easier using the power of open source. [more]

News and Events

Presentaion **New**

Press Coverage:
Brihaspati LMS article
Digital Learning
Magazine April 2008
Edition [\[More detail\]](#)

- » Software Development
- » Web Solutions
- » Offshore Development
- » Business Outsourcing
- » E-Learning Technology



Vmukti

- *Vmukti* provide online webcasting software, e learning solutions, webinar training software, live broadcasting, live streaming, whiteboard and online ...
- **Virtual classroom in real time**
- **Uses low bandwidth**
- **Website: [http:// www.vmukti.com](http://www.vmukti.com)**

* Eliminate travel and venue costs with a virtual classroom.

For Virtual Classroom

Read More

 Free Trial

 Buy Now

VMukti is Easy, Interactive, & use Low Bandwidth

VMukti is for: [Virtual Classroom in realtime](#)
[Live Events Streaming](#)

Do you have your own idea or project using our VMukti platform? and in your own servers? yes?, then let's start! it's easy! just go [here](#), write your idea and click the send button!



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[FAQs](#)
[Blog](#)
[Contact Us](#)

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All Rights Reserved

 Free Trial

 Buy Now

The National Program on Technology Enhanced Learning (NPTEL)

- Website: www.nptel.iitm.ac.in
- The main objective of *NPTEL* program is to enhance the quality of engineering education in the country by developing curriculum based video and web courses
- A joint venture of IITs and IISc
- Web course (DVDs for Rs 200/- per course title* (30 to 45 lectures) + Postal charges**

E PATASHALA

- **e-PG Pathshala: A Gateway to All Post Graduate Courses**
- *epgp.inflibnet.ac.in*
- A project under NME-ICT for development of e-content for 71 subject areas
- High quality, interactive curriculum based e-content
- LIS



An MHRD Project under its National Mission on Education thro

A Gateway to All Post Graduate Courses



The MHRD, un on Education has assigned development subjects at p content and component of quality, curric content in diff disciplines of arts & h mathematical languages is b initiative name

Sample Module

- Architecture
- Russian Studies
- Library and Information Science
- Linguistics
- Visual Arts

Uploaded Course / Subjects @ ePathshala (993 Modules)

- Adult Education
- Bioinformatics
- Chemistry
- Computer Science
- Architecture
- Botany
- Commerce
- Earth Science

e-PG Paths

- Project Gui
- Project Prop
- Memorandu (MoA)
- Content Wr
- e-Module: C

eGyanKosh

- a National Digital Repository to store, index, preserve, distribute and share the digital learning resources developed by the Open and Distance Learning Institutions in the country.
- Items in eGyanKosh are protected by copyright, with all rights reserved by IGNOU, unless otherwise indicated.
- To access the items in repository registration is required. Registration is free.
- Website: www.egyankosh.ac.in/

Vidyanidhi

- *Vidyanidhi* - Digital Library and E-Scholarship Portal
- *Vidyanidhi* (Meaning 'Treasure of Knowledge' in Sanskrit) is India's premier Digital library initiative to facilitate the creation, archiving and accessing doctoral theses.
- **Website: <http://www.vidyanidhi.org.in/>**

Vidyanidhi

Digital Library & E-Scholarship Portal @ University of Mysore



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Vidyanidhi (Meaning 'Treasure of Knowledge' in Sanskrit) is India's premier Digital library initiative to facilitate the creation, archiving and accessing of doctoral theses. Vidyanidhi is an information infrastructure, a digital library, a portal of resources, tools and facilities for doctoral research in India. Vidyanidhi is envisioned to evolve as a national repository and a consortium for e-theses through participation and partnership with universities, academic institutions and other stake holders. Vidyanidhi enhances access to Indian theses and enlarges the reach and audience for Indian doctoral research works.

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eOUTREACH

▲ [Coordinators workshop on Effective teaching/learning of Computer Programming: 2nd May to 4th May 2010](#) ▲

eOUTREACH programme creates a bank of high quality Open Source contents. These include digital audio/ video and text

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ekalavya

- It is an **Open Source Knowledge Initiative** launched by the Affordable Solutions Laboratory (ASL), Department Of Computer Science & Engineering, **IIT Bombay**. The project attempts to bridge the gap between the seekers and givers of knowledge by creating innovative channels of communication. It takes the legendary figure of Ekalavya as a symbol for this activity, representing the human quest for excellence and knowledge.

E-KALPA

> 'e-kalpa' to transform desi x

www.futuregov.in/articles/2011/jun/10/e-kalpa-transform-design-education/

Friday, 28 June 2013

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EDUCATION IT
'E-KALPA' TO TRANSFORM DESIGN EDUCATION
By Anshupriya Jha | 10 June 2011 | Views: 1218

National Institute of Design (NID) Bangalore has launched a web-based design education project in collaboration with the Bombay and the Guwahati Indian Institute of Technology (IIT) at an estimated cost of Rs. 15 crore. It is meant for 'Creating Digital-learning Environment for Design' and is called e-kalpa.

The project is aimed at giving free access to lectures, presentations, notes, demonstrations, case studies, sketches and research material on design to students of designing across the country. All the required information would be uploaded on a website by March next year.

Once completed, it would ensure distance learning in

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The resource for design
by
e-kalpa Design Team



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This project on 'Creating Digital-learning Environment for Design' also called 'e-kalpa' sponsored by the Ministry of Human Resources, Government of India as part of the National Mission in Education through Information and Communication Technology.

Project Title:

Creating Digital Learning Environment for Design in India ('e-kalpa')

Key Themes:

1. Digital online content for learning Design with distance e-Learning programs on Design
2. Social networking for Higher Learning with collaborative Learning Space for Design for Synchronous and Asynchronous Interaction and
3. Digital Design Resource Database including the craft sector

Introduction:

This project presents three initiatives - providing digital online content for design, a social networking environment for design and higher learning and creating a digital resource database on design.

The proposal would focus on knowledge accumulation, storing and dissemination of education in four sectors - University, Industry, Government and the Informal sector.

A-VIEW INTERACTIVE CLASSROOM

- Amrita University, Amritapuri/Kollam, Kerala
- Weekly Online interactive discussion

Indian Initiatives

- **The programs are in a nascent stage of development.**
- **Much of the work is based on Web 1.0 tools and there is a need to migrate to Web 2.0**
- **Resources are not available under Creative Commons' licences at present.**
- **There is considerable discussion about how to enhance and relate the resources to teaching-learning process.**
- **There is great interest in how to cater for heterogeneous group needs and the role that the customization of resources will play in OER development.**

LOCAL EFFORTS

- **Inter-University Consortium was proposed by BRAOU in 2008**
- **A consortium of open/distance learning institutions in Andhra Pradesh to mutually share their learning resources**
- **Distance Education Council approved the project**
- **A one-stop portal for technology-enhanced learning**
- **Audio-visual lessons are digitized first and uploaded to the University portal**

BRAOU INITIATIVES

- **Design of Moodle based e-Learning portal**
- **Digitization of av content (1000 videos; 2000 audios)**
- **Web hosting of e-content**
- **Webcasting**
- **Web conferencing**
- **Launching of an online course PGDDLIM**



● Thank you