

What does the future of literacy look like through the lens of open education?

Ahrash N Bissell



What does the future of literacy look like through the lens of open education?

Ahrash N Bissell





Let me
break the
law...

<http://www.flickr.com/photos/jakescreations/52860690/>

Tebn
dxt

jbelluch



Moon

Moon is Earth's only natural satellite and the only astronomical body other than Earth ever visited by human beings. The moon is the brightest object in the night sky but gives off no light of its own. Instead, it reflects light from the sun. Like Earth and the rest of the solar system, the moon is about 4.6 billion years old.

The moon is much smaller than Earth. The moon's average radius (distance from its center to its surface) is 1,079.6 miles (1,737.4 kilometers), about 27 percent of the radius of Earth.

The moon is also much less massive than Earth. The moon has a mass (amount of matter) of 8.10×10^{19} tons (7.35×10^{19} metric tons). Its mass in metric tons would be written out as 735 followed by 17 zeroes. Earth is about 81 times that massive. The moon's density (mass divided by volume) is about 3.34 grams per cubic centimeter, roughly 60 percent of Earth's density.

Because the moon has less mass than Earth, the force due to gravity at the lunar surface is only about 1/6 of that on Earth. Thus, a person standing on the moon would feel as if his or her weight had decreased by 5/6. And if that person dropped a rock, the rock would fall to the surface much more slowly than the same rock would fall to Earth.

Despite the moon's relatively weak gravitational force, the moon is close enough to Earth to produce tides in Earth's waters. The average distance from the center of Earth to the center of the moon is 238,897 miles (384,467 kilometers). That distance is growing -- but extremely slowly. The moon is moving away from Earth at a speed of about 1 1/2 inches (3.8 centimeters) per year.

The temperature at the lunar equator ranges from extremely low to extremely high -- from about -280 degrees F (-173 degrees C) at night to +260 degrees F (+127 degrees C) in the daytime. In some deep craters near the moon's poles, the temperature is always near -400 degrees F (-240 degrees C).

The moon has no life of any kind. Compared with Earth, it has changed little over billions of years. On the moon, the sky is black -- even during the day -- and the stars are always visible.

A person on Earth looking at the moon with the unaided eye can see light and dark areas on the lunar surface. The light areas are rugged, cratered highlands known as terrae (TEHR ee). The word terrae is Latin for lands. The highlands are the original crust of the moon, shattered and fragmented by the impact of meteoroids, asteroids, and comets. Many craters in the terrae exceed 25 miles (40 kilometers) in diameter. The largest is the South Pole-Aitken Basin, which is 1,550 miles (2,500 kilometers) in diameter.

The dark areas on the moon are known as maria (MAHR ee uh). The word maria is Latin for seas; its singular is mare (MAHR ee). The term comes from the smoothness of the dark areas and their resemblance to bodies of water. The maria are cratered landscapes that were partly flooded by lava when volcanoes erupted. The lava then froze, forming rock. Since that time, meteoroid impacts have created craters in the maria.

The moon has no substantial atmosphere, but small amounts of certain gases are present above the lunar surface. People sometimes refer to those gases as the lunar atmosphere. This "atmosphere" can also be called an exosphere, defined as a tenuous (low-density) zone of particles surrounding an airless body. Mercury and some asteroids also have an exosphere.

Orbital characteristics

Perigee	363 104 km (0.002 4 AU)
Apogee	405 696 km (0.002 7 AU)
Semi-major axis	384 399 km (0.002 57 AU[1])
Eccentricity	0.054 9[1]
Orbital period	27.321 582 d (27 d 7 h 43.1 min[1])
Synodic period	29.530 588 d (29 d 12 h 44.0 min)
Average orbital speed	1.022 km/s
Inclination	5.145° to the ecliptic[1] (between 18.29° and 28.58° to Earth's equator)
Longitude of ascending node	regressing by one revolution in 18.6 years
Argument of perigee	progressing by one revolution in 8.85 years
Satellite of	Earth
Physical characteristics	
Mean radius	1 737.10 km (0.273 Earths)[1]
Equatorial radius	1 738.14 km (0.273 Earths)
Polar radius	1 735.97 km (0.273 Earths)
Flattening	0.001 25
Circumference	10 921 km (equatorial)
Surface area	3.793×10^7 km ² (0.074 Earths)
Volume	$2.195 8 \times 10^{10}$ km ³ (0.020 Earths)
Mass	$7.347 7 \times 10^{22}$ kg (0.012 3 Earths[1])
Mean density	3 346.4 kg/m ³ [1]
Equatorial surface gravity	1.622 m/s ² (0.165 4 g)
Escape velocity	2.38 km/s

Sources: [Flickr \(top-left\)](#), [Nasa \(top-right\)](#), [Wikipedia \(left\)](#).



Moon

Moon is Earth's only natural satellite and the only astronomical body other than Earth ever visited by human beings. The moon is the brightest object in the night sky but gives off no light of its own. Instead, it reflects light from the sun. Like Earth and the rest of the solar system, the moon is about 4.6 billion years old.

The moon is much smaller than Earth. The moon's average radius (distance from its center to its surface) is 1,079.6 miles (1,737.4 kilometers), about 27 percent of the radius of Earth.

The moon is also much less massive than Earth. The moon has a mass (amount of matter) of 8.10×10^{19} tons (7.35×10^{19} metric tons). Its mass in metric tons would be written out as 735 followed by 17 zeroes. Earth is about 81 times that massive. The moon's density (mass divided by volume) is about 3.34 grams per cubic centimeter, roughly 60 percent of Earth's density.

Because the moon has less mass than Earth, the force due to gravity at the lunar surface is only about 1/6 of that on Earth. Thus, a person standing on the moon would feel as if his or her weight had decreased by 5/6. And if that person dropped a rock, the rock would fall to the surface much more slowly than the same rock would fall to Earth.

Despite the moon's relatively weak gravitational force, the moon is close enough to Earth to produce tides in Earth's waters. The average distance from the center of Earth to the center of the moon is 238,897 miles (384,467 kilometers). That distance is growing -- but extremely slowly. The moon is moving away from Earth at a speed of about 1 1/2 inches (3.8 centimeters) per year.

The temperature at the lunar equator ranges from extremely low to extremely high -- from about -280 degrees F (-173 degrees C) at night to +260 degrees F (+127 degrees C) in the daytime. In some deep craters near the moon's poles, the temperature is always near -400 degrees F (-240 degrees C).

The moon has no life of any kind. Compared with Earth, it has changed little over billions of years. On the moon, the sky is black -- even during the day -- and the stars are always visible.

A person on Earth looking at the moon with the unaided eye can see light and dark areas on the lunar surface. The light areas are rugged, cratered highlands known as terrae (TEHREE). The word terrae is Latin for lands. The highlands are the original crust of the moon, shattered and fragmented by the impact of meteoroids, asteroids, and comets. Many craters in the terrae exceed 25 miles (40 kilometers) in diameter. The largest is the South Pole-Aitken Basin, which is 1,550 miles (2,500 kilometers) in diameter.

The dark areas on the moon are known as maria (MAHREE). The word maria is Latin for seas; its singular is mare (MAHREE). The term comes from the smoothness of the dark areas and their resemblance to bodies of water. The maria are cratered landscapes that were partly flooded by lava when volcanoes erupted. The lava then froze, forming rock. Since that time, meteoroid impacts have created craters in the maria.

The moon has no substantial atmosphere, but small amounts of certain gases are present above the lunar surface. People sometimes refer to those gases as the lunar atmosphere. This "atmosphere" can also be called an exosphere, defined as a tenuous (low-density) zone of particles surrounding an airless body. Mercury and some asteroids also have an exosphere.

Sources: [Picture-top-left](#), [NASA-top-right](#), [Wikipedia-left](#).

Orbital characteristics

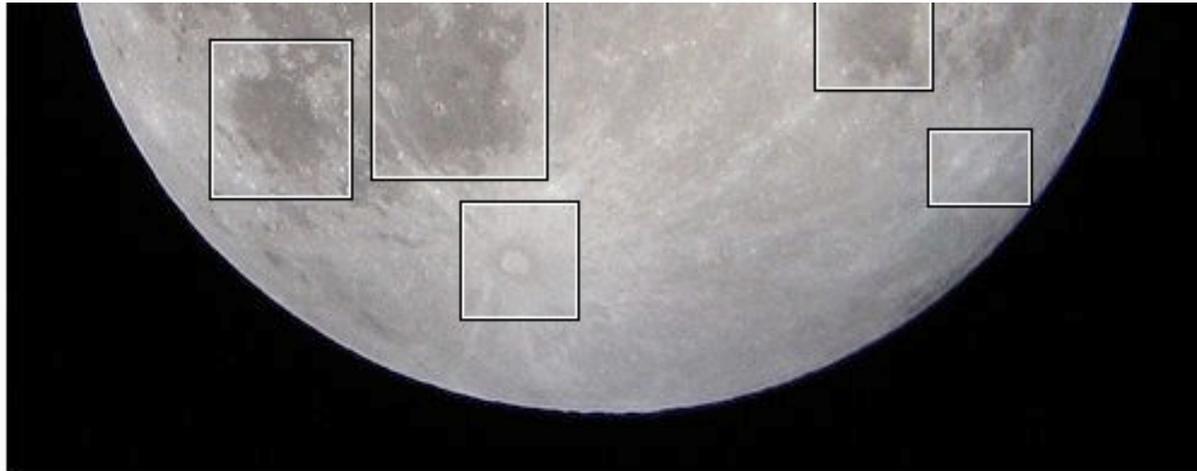
Perigee	363 104 km (0.002 4 AU)
Apogee	405 696 km (0.002 7 AU)
Semi-major axis	384 399 km (0.002 57 AU[1])
Eccentricity	0.054 9[1]
Orbital period	27 321 582 d (27 d 7 h 43 1 min[1])
Synodic period	29 530 588 d (29 d 12 h 44 0 min)
Average orbital speed	1 022 km/s
Inclination	5.145° to the ecliptic[1] (between 18.29° and 28.58° to Earth's equator)
Longitude of ascending node	regressing by one revolution in 18.6 years
Argument of perigee	progressing by one revolution in 8.85 years
Satellite of	Earth
Physical characteristics	
Mean radius	1 737.10 km (0.273 Earths)[1]
Equatorial radius	1 738.14 km (0.273 Earths)
Polar radius	1 735.97 km (0.273 Earths)
Flattening	0.001 25
Circumference	10 921 km (equatorial)
Surface area	3.793 × 10 ⁷ km ² (0.074 Earths)
Volume	2.195 8 × 10 ¹⁰ km ³ (0.020 Earths)
Mass	7.347 7 × 10 ²² kg (0.012 3 Earths[1])
Mean density	3 346.4 kg/m ³ [1]
Equatorial surface gravity	1.622 m/s ² (0.165 4 g)
Escape velocity	2.38 km/s

Guiding questions:

- 1.??
- 2.??
- 3.??
- 4.??
- 5.??

6.Etc

Upload to the
Internet



96.7% of Full. Taken with a digital camera shooting handheld down the tube of a [Galileo FS-120DX](#) telescope. 25mm eyepiece.

Moon map: Annotated with notes using [The Skywatcher's Guide to the Moon](#), [Zoom Astronomy's Moon Map](#), [Geologic History of the Moon](#) and [Wikipedia](#). Mouse over objects in the picture to learn more.

Until I get some type of eyepiece adapter, this is probably the best image I'll be able to take. This [flickr member](#) seems to have figured out some excellent techniques.

This photo has notes. Move your mouse over the photo to see them.

Comments

browse →

+ Global Conversation (Pool)

Tags

- moon
- full
- map
- geology
- annotated
- crater
- telescope

Additional Information

   Some rights reserved

 Anyone can see this photo

- Taken with a [Sony Cybershot](#).
[More properties](#)
- Taken on [September 17, 2005](#)
- [53 people](#) call this photo a **favorite**
- Viewed **7,965** times

Flickr photo –
Licensed Creative Commons Attribution, Non-Commercial, Share-Alike





Page Last Updated: September 18, 2008
Page Editor: Jim Wilson
NASA Official: Brian Dunbar

> Budgets, Strategic Plans and
Accountability Reports
> Equal Employment Opportunity Data
Posted Pursuant to the No Fear Act
> Information-Dissemination Policies
and Inventories

> Freedom of Information Act
> President's Management Agenda
> Privacy Policy & Important Notices
> Inspector General Hotline
> Office of the Inspector General

> Contact NASA
> Site Map
> USA.gov
> ExpectMore.gov

NASA info – No terms of use provided....

Using NASA Imagery and Linking to NASA Web Sites

10.13.05

Still Images, Audio Recordings, Video, and Related Computer Files

NASA still images; audio files; video; and computer files used in the rendition of 3-dimensional models, such as texture maps and polygon data in any format, generally are not copyrighted. You may use NASA imagery, video, audio, and data files used for the rendition of 3-dimensional models for educational or informational purposes, including photo collections, textbooks, public exhibits, computer graphical simulations, and Internet Web pages. This general permission extends to personal Web pages.

This general permission does not extend to use of the NASA insignia logo (the blue "meatball" insignia), the retired NASA logotype (the red "worm" logo) and the NASA seal. These images may not be used by persons who are not NASA employees or on products (including Web pages) that are not NASA sponsored.

If the NASA material is to be used for commercial purposes, especially including advertisements, it must not explicitly or implicitly convey NASA's endorsement of commercial goods or services. If a NASA image includes an identifiable person, using the image for commercial purposes may infringe that person's right of privacy or publicity, and permission should be obtained from the person. Any questions regarding application of any NASA image or emblem should be directed to:

Some searching suggests that the material may be in the public domain...

Wikipedia:Copyrights

From Wikipedia, the free encyclopedia



This page documents an official English Wikipedia policy, a widely accepted standard that should normally be followed by all editors. Any edit to this page should reflect consensus. If in doubt, consider discussing changes on the talk page.

WP:C redirects here. You may be looking for *Wikipedia:Consensus* (shortcut: *WP:CON*), *Wikipedia:Civility* (shortcut: *WP:CIV*), or *Wikipedia:WikiProject Council* (shortcut: *WP:COUNCIL*).
WP:COPY redirects here. You may be looking for *Wikipedia:How to copy-edit* (shortcut: *WP:COPYEDIT*).

Important note: The Wikimedia Foundation does not own copyright on Wikipedia article texts and illustrations. **It is therefore useless to email our contact addresses asking for permission to reproduce articles or images**, even if the rules of operation of your company or school mandate that you ask web site operators before copying their content.

The only contents about the use of which you should contact the Wikimedia Foundation are the trademarked Wikipedia/Wikimedia logos.

Permission to reproduce content under the license and technical conditions applicable to Wikipedia (see below and *Wikipedia:Mirrors and forks*) has already been granted to everyone without request by the authors of individual articles and images, at least unless they violated Wikipedia rules by uploading copyrighted material without authorization or under incorrect licensing terms. For permission to use it outside these terms, one must contact all the volunteer authors of the text or illustration in question.

The license Wikipedia uses grants free access to our content in the same sense that *free software* is licensed freely. This principle is known as **copyleft**. Wikipedia content can be copied, modified, and redistributed so long as the new version grants the same freedoms to others and acknowledges the authors of the Wikipedia article used (a direct link back to the article is generally thought to satisfy the attribution requirement).

Wikipedia articles therefore will remain free under the GFDL and can be used by anybody subject to certain restrictions, most of which aim to ensure that freedom.

To this end, the text contained in Wikipedia is copyrighted (automatically, under the *Berne Convention*) by Wikipedia contributors and licensed to the public under the **GNU Free Documentation License** (GFDL). The text of this license is at *Wikipedia:Text of the GNU Free Documentation License*.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, with no Front-Cover Texts, and with no Back-Cover Texts.

A copy of the license is included in the section entitled "GNU Free Documentation License".

Content on Wikipedia is covered by disclaimers.

Wikipedia info –

Licensed using GNU Free Documentation License (GFDL), which is roughly (but not exactly) equivalent to the CC BY-SA license.



CC BY-NC-SA
+
Public domain (?)
+
GFDL
=

A hopeless legal jumble

Where is the Global Learning Commons?



<http://flickr.com/photos/wwworks/440672445/>

Woodley Wonderworks CC BY



View list of all events [Add event](#)

Pushpin icon by Pedro Gordo, CC BY 3.0

ccLearn is a division of Creative Commons dedicated to realizing the full potential of the internet to support open learning and open educational resources.

Our mission is to minimize legal, technical, and social barriers to sharing and reuse of educational materials.

New Resources

Added to Publications:

- * Shuttleworth Foundation Working Paper on Intellectual Property

Added to Articles:

- * The beauty of "Some Rights Reserved": Introducing Creative Commons to librarians, faculty, and students
- * 'The Objective of Education Is Learning, Not Teaching'
- * Minds on Fire: Open Education, the Long Tail, and Learning 2.0

Education Search



Open Ed Community



ODEPO Project



Inside OER



ccLearn International



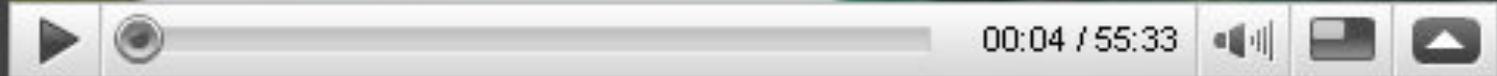
Our mission is to minimize legal, technical, and social barriers to sharing and reuse of educational materials.



The world
is changing...



An anthropological introduction to YouTube
by Michael Wesch
Presented at the Library of Congress
June 23rd 2008



<http://mirrors.creativecommons.org/wanna-worktogether/wannaworktogether.mov>



What are Open Educational Resources?



Michael Reschke cba

Digitized materials offered freely and openly for educators, students and self-learners to use and re-use for teaching, learning and research.*

*UNESCO. 2002. *Forum on the impact of Open Courseware for higher education in developing countries. Final report.* Paris: UNESCO.





Michael Reschke cba

Open education depends on a high-quality pool of freely licensed resources.

OER give learners access to a broad array of knowledge materials...



available for anyone to use, share, and adapt to suit their educational needs.





THE CAPE TOWN OPEN EDUCATION DECLARATION

Home

Read the Declaration

Sign the Declaration

View Signatures

Translations

FAQ

Press

Related Initiatives

Comments

Read the Declaration

Cape Town Open Education Declaration: Unlocking the promise of open educational resources

We are on the cusp of a global revolution in teaching and learning. Educators worldwide are developing a vast pool of educational resources on the Internet, open and free for all to use. These educators are creating a world where each and every person on earth can access and contribute to the sum of all human knowledge. They are also planting the seeds of a new pedagogy where educators and learners create, shape and evolve knowledge together, deepening their skills and understanding as they go.

This emerging open education movement combines the established tradition of sharing good ideas with fellow educators and the collaborative, interactive culture of the Internet. It is built on the belief that everyone should have the freedom to use, customize, improve and redistribute educational resources without constraint. Educators, learners and others who share this belief are gathering together as part of a worldwide effort to make education both more accessible and more effective.

The expanding global collection of open educational resources has created fertile ground for this effort. These resources include openly licensed course materials, lesson plans, textbooks, games, software and other materials that support teaching and learning. They contribute to making education more accessible, especially where money for learning materials is scarce. They also nourish the kind of participatory culture of learning, creating, sharing and cooperation that rapidly changing knowledge societies need.

However, open education is not limited to just open educational resources. It also draws upon open technologies that facilitate collaborative, flexible learning and the open sharing of teaching practices that empower educators to benefit from the best



What is different about OER?

Most digital media = “stuff you can see online for free”

—————> fair-use and educational exceptions

OER = “stuff you can adapt and then share for ~~others~~ to build on”

license to innovate



Open education supports
skill development through

Active learner participation

- finding
- evaluating
- generating knowledge

Skills gained:

- critical thinking
- creativity
- communication
- collaboration



**Open education supports equal
education opportunity,
regardless of
region,
income,
or level of technology.**

Ribna

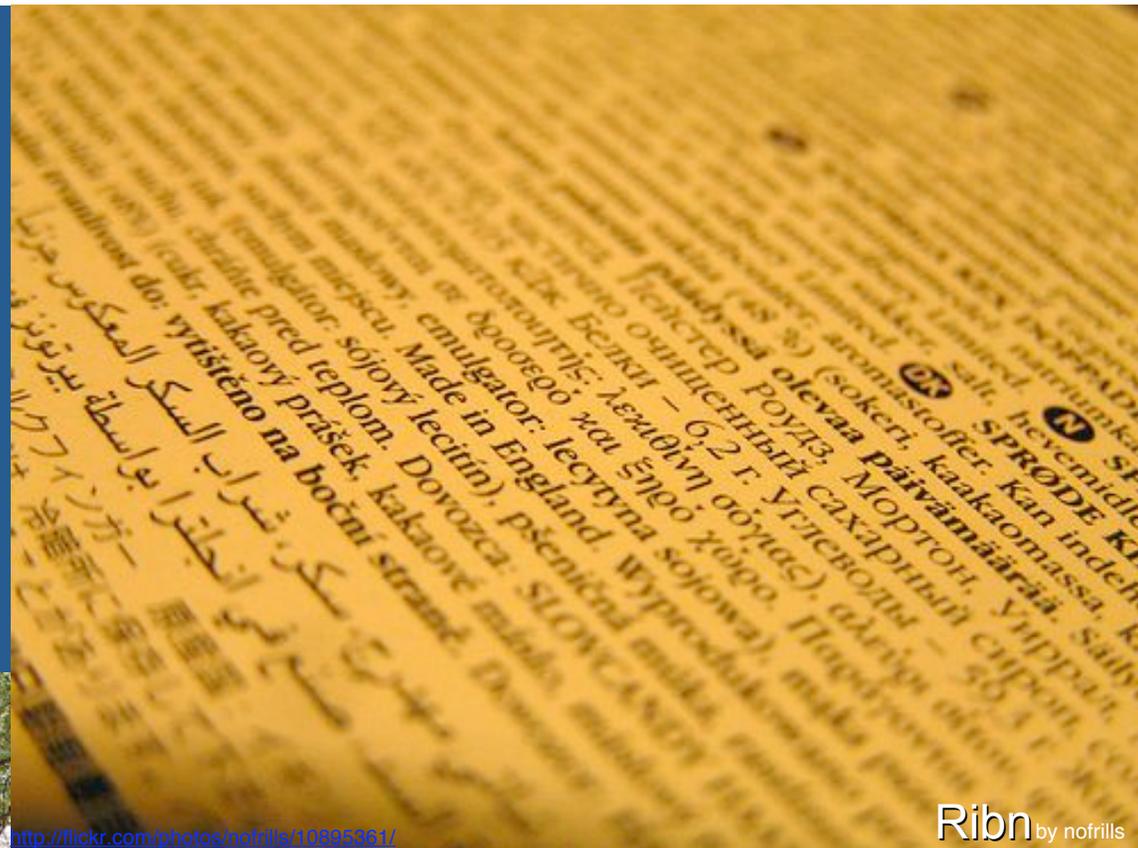
Vern Hart



<http://flickr.com/photos/vemhart/1511413221/>



OER can be easily modified, translated, and shared, so they encourage local production of educational resources



Ribn by nofrills

<http://flickr.com/photos/nofrills/10895381/>



Ribna by Ethnocentrics

<http://flickr.com/photos/ethnocentrics/213857197/>



Rib by Thomas Sly

<http://flickr.com/photos/tomsly/87973199/>

suited to both individual and societal values, language and culture.



<http://www.flickr.com/photos/judybaxter/4462965/>



Ribna. Judy Baxter



Advanced technology
is not necessary.

<http://www.flickr.com/photos/venky772157716223/>



Ribna. Venkatesh Hariharan



<http://www.flickr.com/photos/9432444@N05/656500490/> Ribna. alexanderimages

OER can be
easily modified
and adapted to
different learning
circumstances.



A young child with dark hair, wearing a yellow and orange striped shirt, is reaching out from a doorway. The child is smiling and has their hand extended towards the camera. In the background, a person's legs and feet in sandals are visible on a light-colored floor. The doorway is framed by wooden trim.

When IP restricts access,
adaptation, and sharing,
OER help **open doors**
protecting the
right to education.





<http://www.flickr.com/photos/mmax303567273/> Tebnaxt by Max

Open education supports

- formal education
- informal education
- lifelong learning

Mutual Learning & Sharing



<http://www.flickr.com/photos/99079793@N00/24786113/>

TebndxtLara Eller

Most students begin their education highly motivated to **learn**;

Most teachers are highly motivated to **share knowledge**, not only with their students but with **anyone** who can benefit.



A child educated only at school
is an uneducated child.

- George Santayana

Nothing in education is so astonishing as the
amount of ignorance it accumulates in the
form of inert facts.

- Henry B. Adams



OER COMMONS
OPEN EDUCATIONAL RESOURCES

A Project of ISKME



A Network for
Teaching &
Learning



Visit: www.oercommons.org



OPENCOURSEWARE
CONSORTIUM



LEARN NC

K-12 TEACHING AND LEARNING » FROM THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL SCHOOL OF EDUCATION



THE CENTER
FOR OPEN AND
SUSTAINABLE
LEARNING

C()SL

teachers'domain

First, a look at the Legal Barriers.



Nancy **cbn**

http://flickr.com/photos/pugnc_mulebr/1384247182/

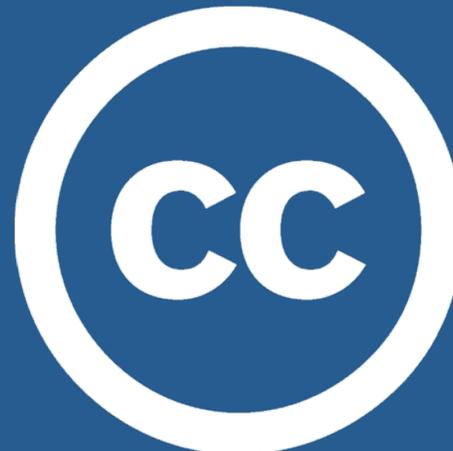
CC offers an easy way to share materials, versus the murky interpretations of fair use in copyright law.



<http://flickr.com/photos/opendemocracy/543383788/>



A spectrum of rights



CC BY ...

b

- Allows the most freedoms without giving up attribution, which is important for credibility in education
- Is compatible with every other CC license, allowing the most room for innovation via collaboration
- Does not encroach on the freedom of potential users by enforcing a specified use:

ba

e.g. CC BY-SA requires you to share alike, even if the new work is best suited for another license



Attribution 3.0 Unported

You are free:



to Share — to copy, distribute and transmit the work



to Remix — to adapt the work

Under the following conditions:



Attribution. You must attribute the work in the manner specified by the author or licensor (but not in any way that suggests that they endorse you or your use of the work).

- ◆ For any reuse or distribution, you must make clear to others the license terms of this work. The best way to do this is with a link to this web page.
- ◆ Any of the above conditions can be waived if you get permission from the copyright holder.
- ◆ Nothing in this license impairs or restricts the author's moral rights.

Disclaimer 

Your fair dealing and other rights are in no way affected by the above.
This is a human-readable summary of the [Legal Code](#) (the full license).

But what about Technical Barriers?



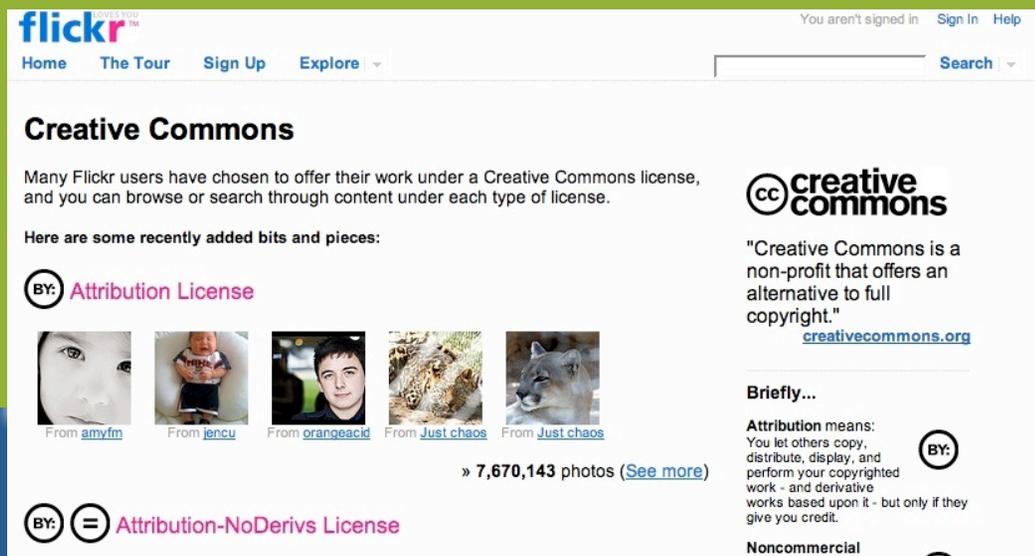
<http://tek.computer/tantek/5510073/>

CC overcomes Technical Barriers

CC Licenses are also clear to search engines

- CC Licenses specify licensing permissions on works in metadata (RDFa)

- The metadata are also available for other applications, such as search engines, Flickr, and...



The screenshot shows the Flickr Creative Commons page. At the top, there's a navigation bar with 'Home', 'The Tour', 'Sign Up', and 'Explore'. A search bar is also present. The main heading is 'Creative Commons'. Below it, a paragraph explains that many Flickr users offer their work under a Creative Commons license. A section titled 'Here are some recently added bits and pieces:' lists five photos with their respective users: amyfm, jencu, orangeacid, Just chaos, and Just chaos. To the right, there's a 'Creative Commons' logo and a quote: 'Creative Commons is a non-profit that offers an alternative to full copyright.' Below this, there's a 'Briefly...' section explaining 'Attribution means: You let others copy, distribute, display, and perform your copyrighted work - and derivative works based upon it - but only if they give you credit.' The 'Noncommercial' section is partially visible. At the bottom left, there are icons for 'Attribution License' (BY) and 'Attribution-NoDerivs License' (BY-ND). A link indicates '» 7,670,143 photos (See more)'.

engineering

Search help

Hits 1-10 (out of about 3,392 total matching pages):

Women In Engineering Organization

This portion of the Women in Engineering website defines what the term engineering means, gives some general guidelines as to what it takes to become an engineer, and defines types of engineering. This resource is appropriate for all users, particularly for girls and women, because it targets girls or women, uses inclusive images of girls or women, and shows how engineering can be used to solve real-world problems. Copyright 2005 EDC

Curator: NSDL 

Education Level: Learner

Language: 

License: 

Subject Tags: Education issues Careers Mathematics Real world applications Engineering mathematics Science Physical science
(explain) (anchors)

Careers - Food Science Program, Department of Process Engineering and Applied Science

This site gives an overview of what is needed to be a food scientist. Required education, types of jobs available, and a salary survey are included.

Curator: NSDL 

Education Level: 

Language: 

License: 

Subject Tags: Job descriptions Chemistry--Vocational guidance Jobs and Careers -- Career Information -- Job Types, Descriptions, and Tasks Chemists; Food industry
(explain) (anchors)

Fundamentals of Electrical Engineering I

The course focuses on the creation, manipulation, transmission, and reception of information by electronic means. Elementary signal theory; time- and frequency-domain analysis; Sampling Theorem. Digital information theory; digital transmission of analog signals; error-correcting codes.

Curator: OER Commons 
Connexions 

Education Level: 

Language: en

License:  

Subject Tags: Science and Technology
(more from cnx.org) (explain) (anchors)

<http://www.engineering.uiowa.edu/%7Eswan/courses/53030/notes/gsd.pdf>

In soil mechanics, it is virtually always useful to quantify the size of the grains in a type of soil. Since a given soil will often be made up of grains of many different sizes, sizes are measured in terms of grain size distributions. Grain size distribution (GSD) information can be of value in providing initial rough estimates of a

Headline
Subheadline
Italics

Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text Text Text

[Link1](#) [Link2](#) [Link3](#)

[Link4](#)

Title
Author
Publication Date

Article Content Article Content Article Content
Article Content Article Content Article Content

[Tag1](#) [Tag2](#) [Tag3](#)

[Copyright License](#)

Ben Adida, CC

There is a significant gap between what computers “see” and what humans see. This is one of the fundamental barriers to the infrastructure of the semantic web, but is also

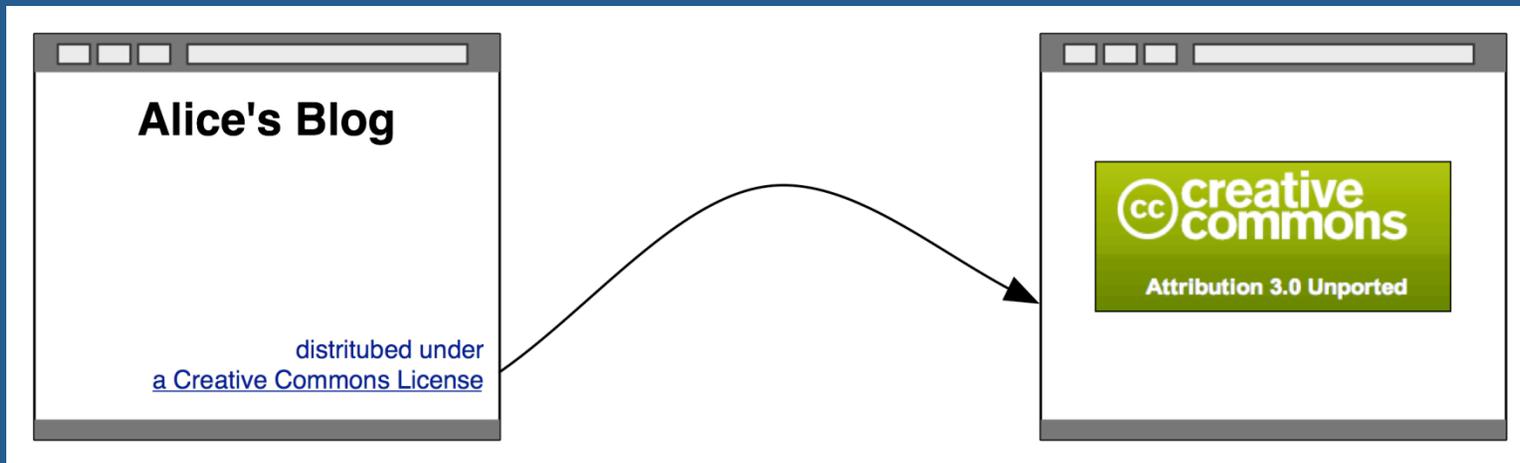


A Link without Flavor

distributed under a

```
<a href="http://creativecommons.org/licenses/by/3.0/">
```

```
Creative Commons License </a>
```



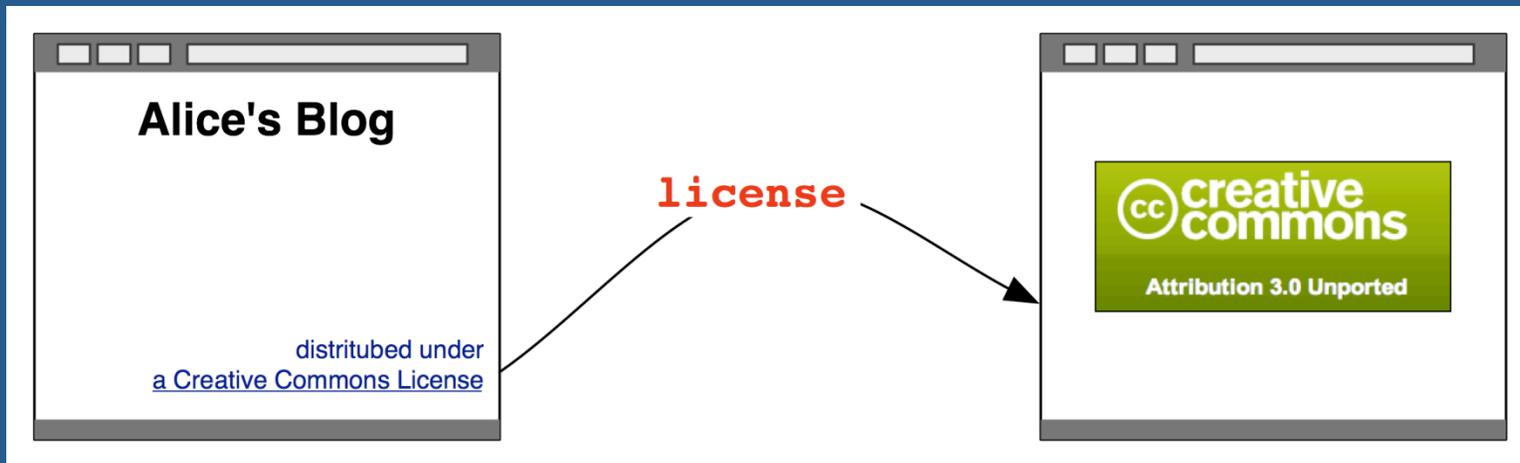
Ben Adida, CC

A Link with Flavor

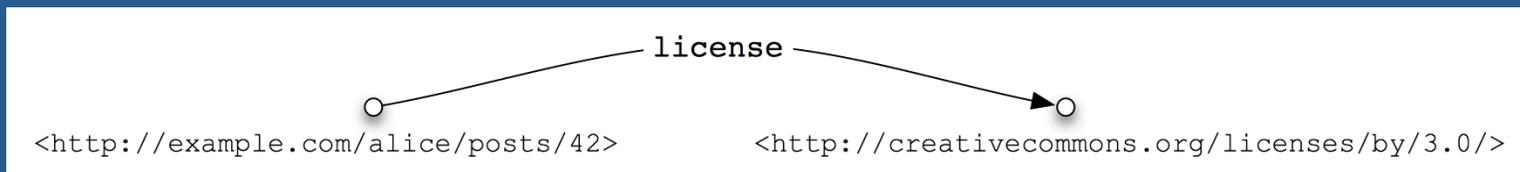
distributed under a

```
<a rel="license" href="http://creativecommons.org/licenses/by/3.0/">
```

```
Creative Commons License </a>
```



Ben Adida, CC



Text without Flavor

<h2>The Trouble with Bob</h2>

<h3>Alice</h3>

Text with Flavor

```
<h2 property="dc:title">The Trouble with Bob</h2>  
<h3 property="dc:creator">Alice</h3>
```

- Why **dc:title**, why not just **title**?
- Which meaning of **"title"**? Article title, job title, real estate title?
- **License** is a reserved HTML keyword, but **title** is not.
- We must "import" this concept from somewhere.
 - The Dublin Core vocabulary:
<http://purl.org/dc/elements/1.1/>
concepts including: **title**, **creator**, **copyright**, etc.
 - Note that it doesn't actually matter which vocabulary is used, as long as the machine can interpret the intent.



Attribution-Noncommercial 3.0 United States

You are free:



to Share — to copy, distribute, display, and perform the work



to Remix — to make derivative works

Under the following conditions:



Attribution. You must attribute this work to **[The PhET Team, University of Colorado](#)** (with link).

Attribute this work:

```
<div xmlns:cc="http://creativecommons.org/ns#" about=""
```



Noncommercial. You may not use this work for commercial purposes.

- For any reuse or distribution, you must make clear to others the license terms of this work. The best way to do this is with a link to this web page.
- Any of the above conditions can be waived if you get permission from the copyright holder.
- Apart from the remix rights granted under this license, nothing in this license impairs or restricts the author's moral rights.

[Disclaimer](#)

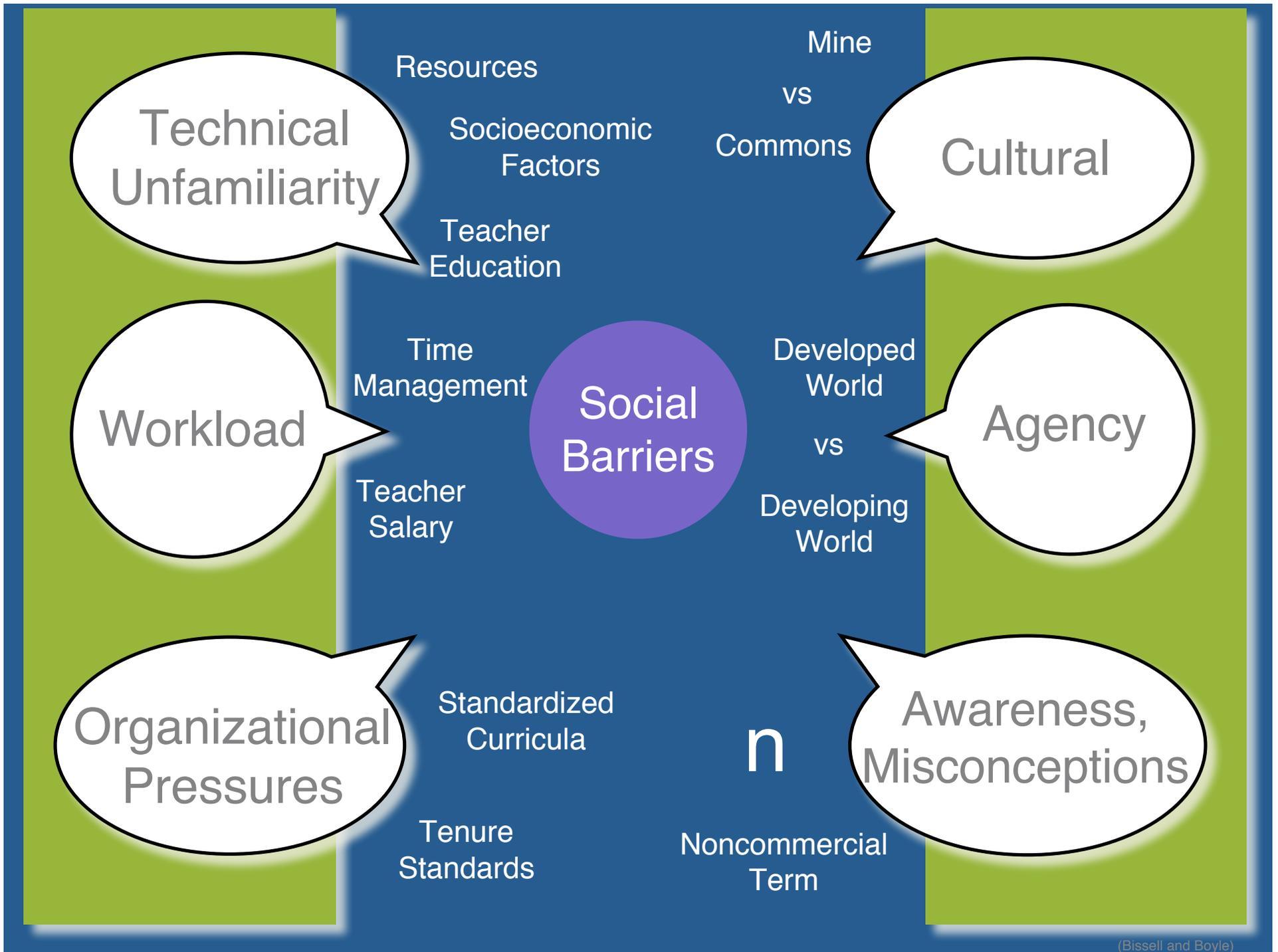
Your fair use and other rights are in no way affected by the above.
This is a human-readable summary of the legal code (the full license)

And finally, the Social Barriers to Open Education



Judy Baxter cbna

<http://flickr.com/photos/judybaxter/501511984/>



Libraries are not just for reading in, but for sociable thinking, exploring, exchanging ideas and falling in love. They were never silent.

Technology will not change that, for even in the starchiest heyday of Victorian self-improvement, libraries were intended to be meeting places of the mind, recreational as well as educational.

- Ben Macintyre, "Paradise Is Paper, Vellum, and Dust." [Times Online, December 18, 2004.](#)

[Here is] a set of rules that describe our reactions to technologies:

1. Anything that is in the world when you're born is normal and ordinary and is just a natural part of the way the world works.

2. Anything that's invented between when you're fifteen and thirty-five is new and exciting and revolutionary and you can probably get a career in it.

3. Anything invented after you're thirty-five is against the natural order of things.

- Douglas Adams. The Salmon of Doubt. 2002.



Tebn
axt

desertrumpet

<http://www.flickr.com/photos/jonandbev-adams/2928628386/>





Tebn
axt

<http://flickr.com/photos/shivayanamahohm/192324475/>

Shivayanamahohm





<http://flickr.com/photos/ubclibrary/2701350667/>

Tebn
dxt

UBC Library Graphics

“...part of the pleasure of a library lies in its very existence”.

- Jan Morris



A university is just a group of
buildings gathered around a library.

- Shelby Foote



<http://flickr.com/photos/hefmercer/118523505/>

Tebn
dvt hefmercer





<http://flickr.com/photos/w...>

dxt Kristin Br



<http://flickr.com/photos/callumscott2/280532292/>

xt callumscott2



<http://flickr.com/photos/aldhil/1933995970/in/set-72157606168618325/>

Tebnd
xt
Melilotus





<http://flickr.com/photos/denverjeffrey/301014978/>

Tebd
xt

Jeffrey Beall





Community
Visual Literacy



Digital Literacy

Business
Conditions

Explicit
Concept
Relationships

Social
Schema
Learning
Connectivity

Mentors

Study

Questions

Focus

Character

Innovation
Specific



Work
Problem Solving

Collaboration

Understand

Capable

Cultural

Listen



Strategic
Change
Decision

Skillset

Leadership

Listening

Creativity



critical thinking

<http://flickr.com/photos/mikesansone/2606565992/> Text Mike Sansone





learn.creativecommons.org

Send comments to: ahrash@creativecommons.org

