Verteilte freie Bildung statt Noten, Credits und Gebühren?

Jörn Loviscach

Fachhochschule Bielefeld

I have never let my schooling interfere with my education.

Mark Twain

Bildung unter Druck

Beschleunigung	⟷	Verknappung
Berufsqualifizierung	⟷	Verschulung
Studiengebühren	⟷	Siebung
Management	⟷	Selbstorganisation
Lernen	⟷	Denken

Verteilte freie Bildung?

Windows ⟷ Linux

Brockhaus ⟷ Wikipedia

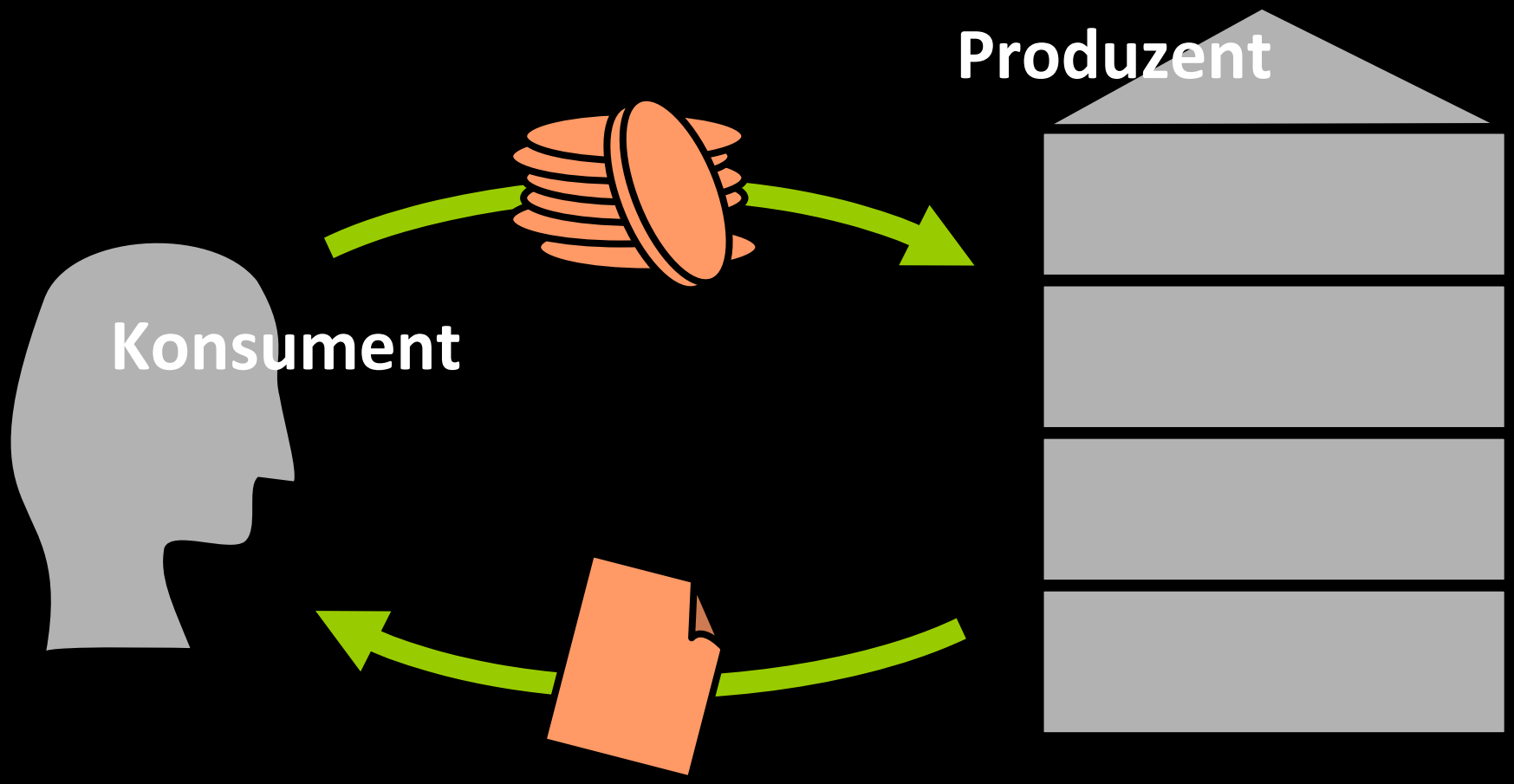
Hochschule ⟷ ?

Verteilte freie Bildung?

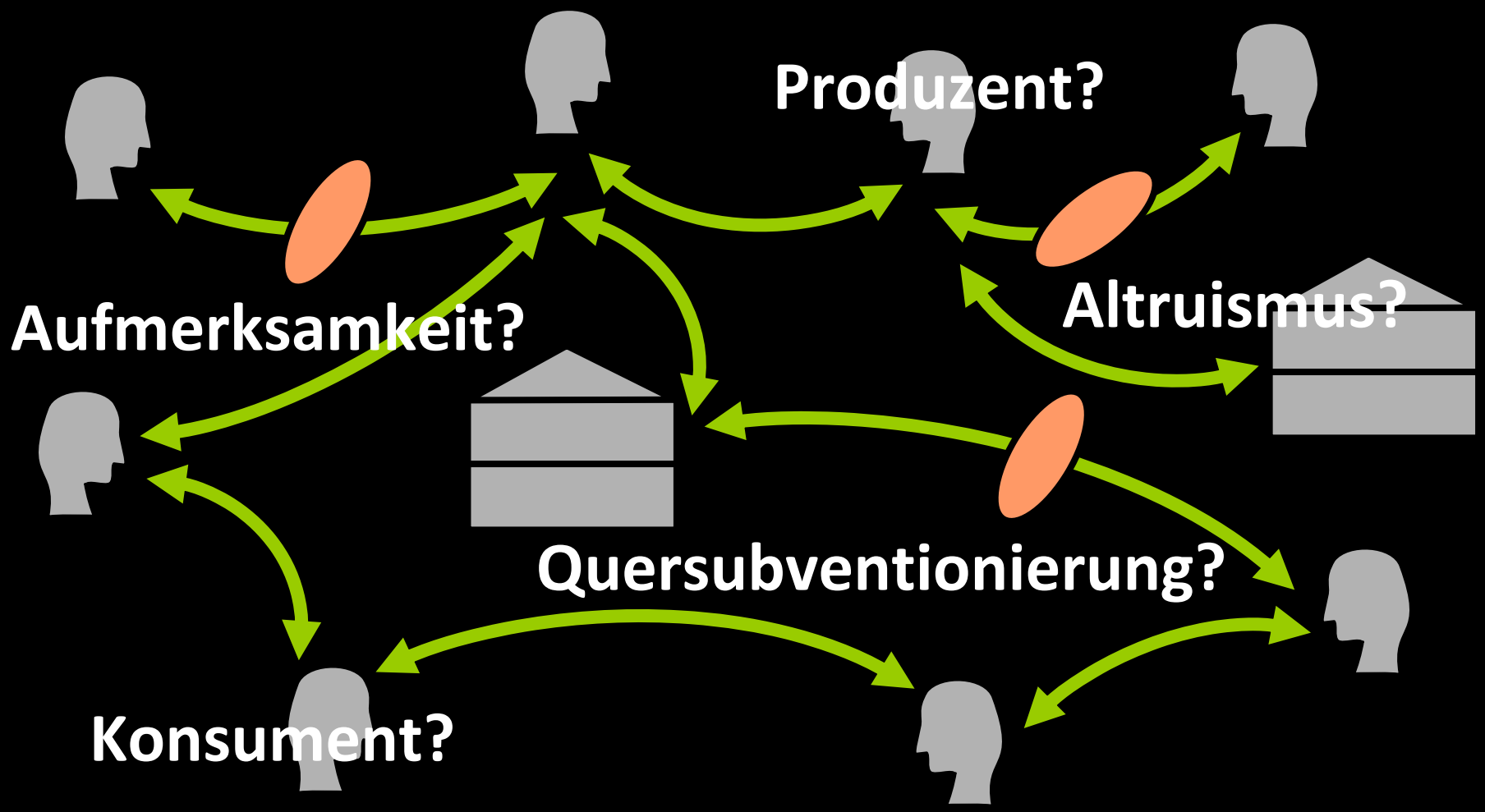
vgl. „verteilte Systeme“

wie „Freibier“
oder
wie „freie Rede“

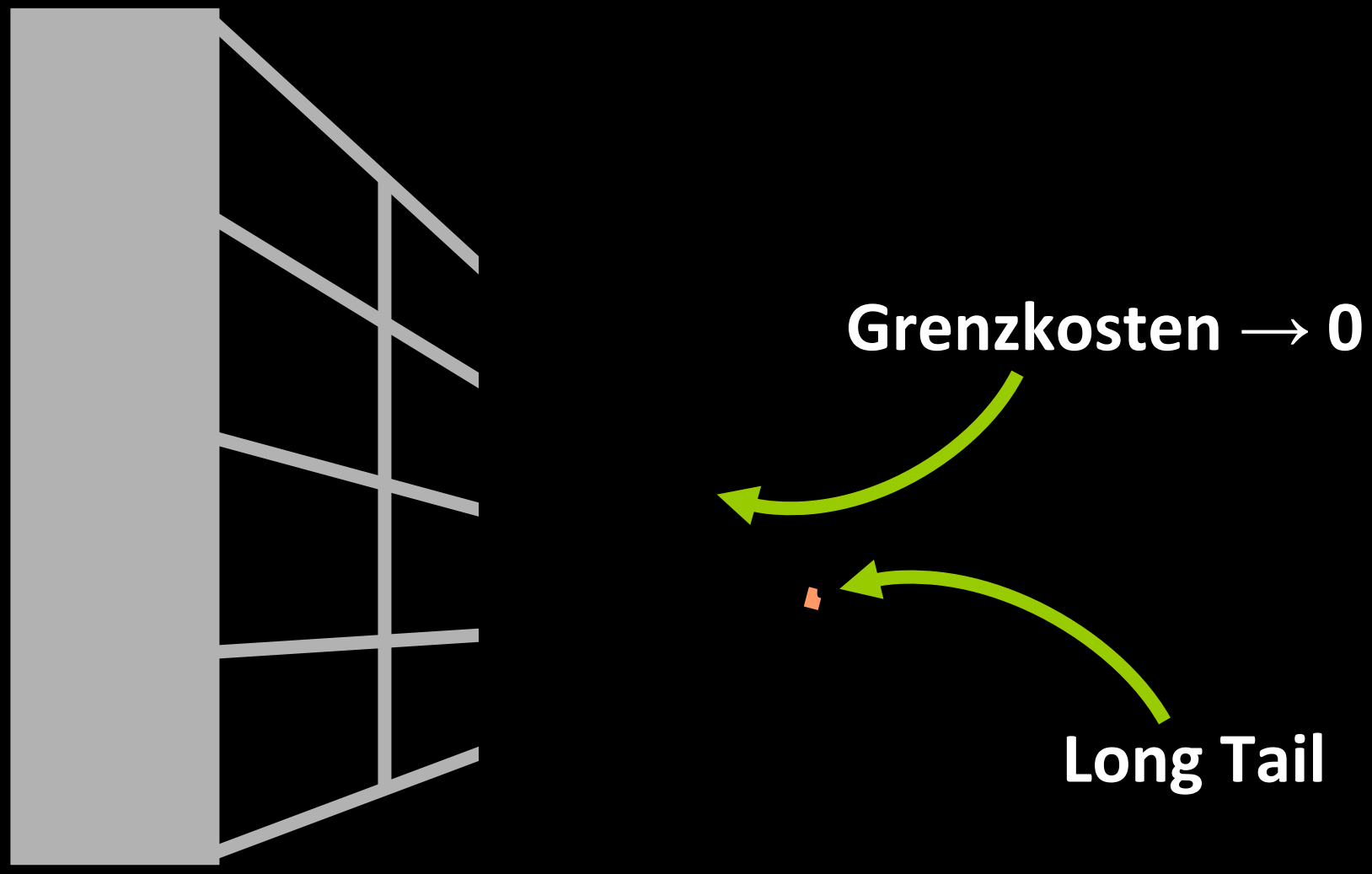
Ökonomie der Bildung?



Alternative Netz-Ökonomie der Bildung?



Netz als unendlich langes Regal



Ebenen der Motivation

Ebenen der Motivation

Can’t buy me love.

Paul McCartney

Ebenen der Motivation

Ebenen der Motivation

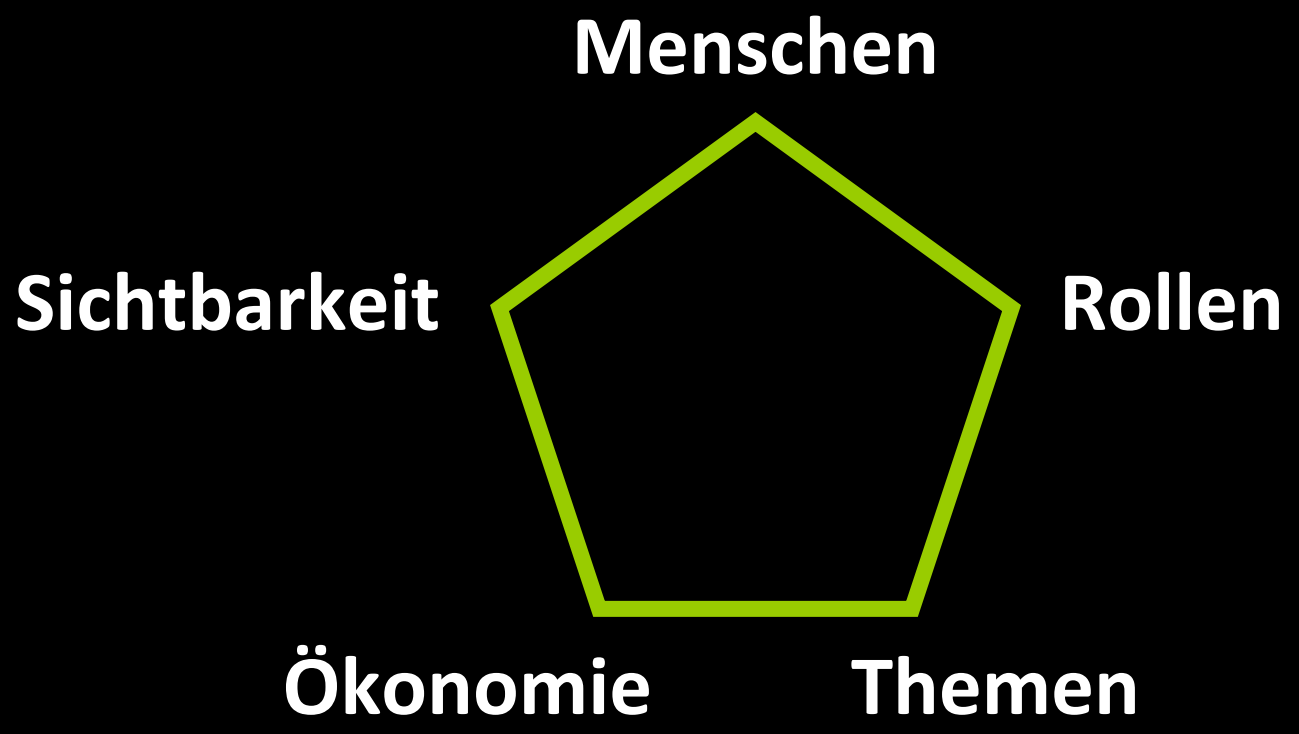
Forschen, Anleiten,
intellektuelle Breite

Leistungen sichtbar,
Aufmerksamkeit

Probleme gemeinsam lösen,
Lernen durch Lehren

Einfacher im Netz?

Ausgewählte Aspekte verteilter freier Bildung



Rollen

Lernen durch Lehren

www.youtube.com/user/fastguy78

Forschung „Do-It-Yourself“

DIYBIO

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Extract DNA from Strawberries

Posted by tito in Experiments on 03 20th, 2009 | 31 responses

Syndicated from thetech.org “Do-it-yourself Strawberry DNA”

Yummy strawberries
Yummy strawberries have lots of DNA

Strawberries, bacteria, humans—all living things have genes, and all of these genes are made of DNA. That’s why scientists can take a gene from one living thing and put it into another. For example, they can put human genes into bacteria to make new medicines.

How do scientists take DNA out of a living thing? It’s not that hard—there are lots of ways to do it! You can follow the directions in the video below to get DNA out of a strawberry. Or you can follow the steps after that. Either way you’ll have strawberry DNA at the end!

about us

DIYbio is an organization that aims to help make biology a worthwhile pursuit for citizen scientists, amateur biologists, and DIY biological engineers who value openness and safety. This will require mechanisms for amateurs to increase their knowledge and skills, access to a community of experts, the development of a code of ethics, responsible oversight, and leadership on issues that are unique to doing biology outside of traditional professional settings.

recent comments

- **Yasmeen**: I LOVED IT! I found it very helpful in order to do my DNA...
- **Norfeldt**: Nice post! It's a very cool gallery

www.diybio.org

Themen

MOOC: Vernetzung erleben

CONNECTIVISM & CONNECTIVE KNOWLEDGE

a rather large open online course...

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SIGNING UP...

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Uncategorized

MONTHLY

November 2009
October 2009
September 2009
July 2009
November 2008
October 2008
September 2008
August 2008
July 2008
June 2008

PAGES

Week 10: Research in Con

George Siemens on Nov 16th 2009

This is a "reading-less" week.

I have on numerous occasions tried to organiz
research needed within the connectivism fram
Google Groups. My blog. Wikis. The list goes o

I'd like to make a concerted effort this week to
questions:

1. What types of research is needed around c

2. Which methodologies should be employed t
areas?

The last few years has brought growing atten
research topic. The addition of several peer-re
discussion pool has helped. So have conferenc
looking at connectivism or looking at CCK08. N
done, we have the value of comparison betwe

This year, I'm committed to the formation of a
individuals who are interested in actively rese
connectivism/networked learning. This networ
exchange and suggestions for individuals tack
research. I'm aware of other groups that have
sites...greater collaboration with these groups
to bring everything under one umbrella, but I t
research projects around connectivism is impo

Connectivism and Connective Knowledge '09

Jump to... Go

Courses ▸ CCK09 ▸ Forums ▸ Week 2: Discussion forum

Search forums

Network characteristics & attributes

Add a new discussion topic

Discussion	Started by	Replies	Last post
Thoughts on Network Theory	Mark Spivey	0	Mark Spivey Tue, 13 Oct 2009, 07:00 PM
Artistic Connectivism	Sui Fai John Mak	8	Asako Yoshida Wed, 7 Oct 2009, 09:17 AM
A new network analysis tool for public health	Geoff Downie	2	Geoff Downie Mon, 5 Oct 2009, 08:52 AM
ants on networks	ailsa haxell	29	roy williams Sun, 4 Oct 2009, 04:42 PM
Quality control?	Ryan Ali	17	Frances Bell Thu, 1 Oct 2009, 05:35 PM
Connectivism -> Global Brain -> Singularity?	James Neill	16	roland legrand Wed, 30 Sep 2009, 02:52 PM
I woke up finding Waldo	Benjamin Stewart	3	Frances Bell Tue, 29 Sep 2009, 02:17 AM
Networked Pedagogy?	Gurmit Singh	15	minh mcCloy Mon, 28 Sep 2009, 04:06 PM
UM's open courseware on network theory and application	Roel Cantada	1	George Siemens Sat, 26 Sep 2009, 09:27 AM
The Daily is Down - What is the impact on the course?	Eduardo Peirano	18	Fred Haas Sat, 26 Sep 2009, 07:54 AM
The connection	Ken Anderson	21	L Tsu Sat, 26 Sep 2009, 05:19 AM
Horizons	minh mcCloy	7	Eric Calvert Fri, 25 Sep 2009, 03:02 PM
Social Networking - Knowledge	Eva Brown	1	Cindy De Smet Fri, 25 Sep 2009, 01:48 PM

ltc.umanitoba.ca/connectivism

Peer-to-Peer University: Physik?

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Welcome to P2PU - Sign up for our new courses!

We are working hard to get everything ready for the next round of courses, but it's a new website, more courses, a bigger community, two languages, and things will be a little rough around the edges at the beginning. We'll be back to our relaxed and seemingly effortless self by the time courses start. In case, you are looking for our pilot phase courses, despair not! Everything is preserved for eternity at http://archive.p2pu.org. The Peer 2 Peer University (P2PU) is an online community of open study groups for short university-level courses. Think of it as online book clubs for open educational resources. The P2PU helps you navigate the wealth of open education materials that are out there, creates small groups of motivated learners, and supports the design and facilitation of courses. Students and tutors get recognition for their work, and we are building pathways to formal credit as well.

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Community

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Contact Us

Contact Us for any further info.

Recent Courses

P2PU Lounge - Mar 2010	Sign-up
Introduction to Finance & Economics - Mar 2010	Sign-up
Cidadania e Redes Digitais - Mar 2010	Sign-up
Civic Hacking - Mar 2010	Sign-up
Climate Resilient Cities - Mar 2010	Sign-up

View all Open Courses

News

Sign-Up for Cycle 2 has Closed

The sign-up period for Cycle 2 at P2PU has now closed. We're looking forward to a great session of courses - thank you to everyone who ahs signed up.
We'll be posting more information soon, but for now, please be aware that all classes are scheduled to begin on **Friday, March 12th**.
If you have any questions, please feel free to give us a shout by using the Contact Form

Sign-Up for P2PU Extended!

Good news for anyone who can't decide which course to sign-up for - we've decided to extend te sign-up period for another few days.
All courses will remain open for sign-up until **Wednesday 3rd of March**. The courses will begin the following **Friday, 12th of March**.
But be sure to sign-up quickly - many of the courses are filling up fast!

Sign up is open

The new website is up and running, and we have opened sign-up to our new set of courses, including 3 courses in Portuguese. Have a look and sign-up for a course that picks your fancy!

P2pu.org

www.ocw.mit.edu

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Home > Courses > Physics > Physics I: Classi

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8.01 Physics I: Clas

As taught in: Fall 1999

Professor Lewin puts his life on the line in Lect demonstrating his faith in the Conservation of Mechanical Energy.

Course Features

- Video lectures
- Subtitles/Transcript
- Assignments and solutions

Course Highlights

The 35 video lectures by Professor Lewin during the Fall of 1999. Prof. Lewin is wel dynamic and engaging lecture style.

Course Description

8.01 is a first-semester freshman physics Mechanics, and Kinetic Gas Theory. In ad Mechanics, Fluid Mechanics, and Kinetic G are covered in this course: Binary Stars, Phenomena, Musical Instruments, Stellar observations from very high flying balloon peek into the intriguing Quantum World.

OCW also presents Professor Lewin's fre Electricity and Magnetism - with a comple Spring of 2002 and 8.03 - Vibrations and

Öffentlichkeit

Sichtbares Studium?

de.wikiversity.org/wiki/
Kurs:Der_Peloponnesische_Krieg

>Last time we discussed the Greek point of view
>And also the acts of king Archidamus.
>Now we can discuss what the Athenians, and

diccas and Sitalces

>King Perdiccas was cool in action again.
>:-)
>Switching sides for the third!!! time.
>myrmikonos pietrodn Ramac you are s
>yes
quited (Nick collision from services.)
>While he was the one to start the war anyway.
joined
>with 13%
>Hi Ramac!
>probably Perdikkas was a very flexible

blogs.p2pu.org/cnf

P2PU BLOGS

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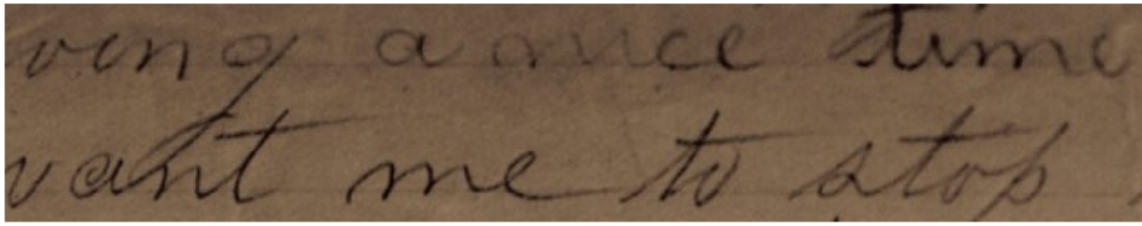

Response to Cynthia's Assignment 2

October 7th, 2009

Cynthia,

This is great. There's so much more here than the last week, and I like how you took the first two pages and altered them and continued from there. One thing—I wouldn't start with L's POV as this is obviously Michelle's narrative. You throw off the reader in the first couple paragraphs, and L is much more interesting from Michelle's perspective anyway. Wasn't she sitting on a bench two weeks ago observing L?

And does Michelle ever find out who L is talking about when she speaks of "fire under her belly"? If not, it seems like something she should find out... Also, I'd like to know if Michelle got her vanilla vodka on the rocks.

For subsequent drafts: it seems that the narrative is now launching into an exploration of the mother. Using L. as a comparison, how does the mother live up? L. is pretty fantastic; can we get more of a hint how Michelle feels about her? So far, it seems she is observing, amused, and I'm not sure how they met (randomly in the park?) Who approached who first? How long have they been friends? What role does L play; what role *will* L play in Michelle's life?

My in-line comments: Jimes P2P Course Assmt 2 – JP comments.

Posted by **janepark**, in Uncategorized — No Comments »

Response to Lee's "Another Hour in the Car"

-> Go to

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» Susan

Meta
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Studiennachweise?

Frequently Asked Questions

How can I get involved?

Can I get formal credit for studying at the P2PU?

Not right now, but we are working on options to make that possible in the future. Have a look at the accreditation page for more information.

How much does it cost to study at the P2PU?

Can I still sign up?

There must be some costs. Who is paying for all this?

What technology are you using for this site?

What about accreditation? How is that working?

Some people are already getting accreditation - for example, a group of students taking our Land Restoration Course have already been given the green light for credit! The P2PU course will be their "reforestation 101" for a 3 year leadership program they are beginning in a reforestation project in India. Their 3 year leadership program does count for credit at some western universities.

Other individuals are trying to organise accreditation on a case-by-case basis from the institutions they are affiliated with.

We at P2PU are interested in a community reputation that could also offer a viable alternative to the traditional accreditation systems.

How do you decide which courses are going to be offered?

Why are you doing this? Isn't this a lot of work?

p2pu.org/faqs

www.h3e.eu/talks.html

www.h3e.eu
more than meets the eye

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Talks

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- *"Novel User Interfaces for Audio and Music Computing"*
  Graduate Seminar: Media Organizations , NYU Polytechnic
- *"Data Visualization in Audio and Music Computing"*
  Oberseminar "Geometry & Data Visualization", Freie Univers
- *"Neue Ideen für Mensch-Maschine-Schnittstellen in der Au*
  BVFT Berufsvereinigung Filmton, Köln, August 2009, Blog
- *"Computer Graphics, Audio, and HCI: Interdisciplinary Proj*
  Cognitive Interaction Technology Center of Excellence, Uni
- *"Neue Ideen für Mensch-Maschine-Schnittstellen in der Au*
  BVFT Berufsvereinigung Filmton, Berlin, 2009-06-26, Blog,
- *"Mensch-Maschine-Schnittstellen: Studierende forschen"*
  Interdisziplinäres Forschungskolloquium der FH-Bielefeld, Bi
  Forschungskolloquium der FH-Bielefeld, Video
- *"Assorted Ideas in User Interfaces for Audio"*
  IRCAM, Paris, 2009
- *"Novel User Interfaces for Audio Retrieval and Processing"*
  SF State University, San Francisco, CA 2008
- *"Assorted Ideas in User Interfaces for Audio"*
  CCRMA, Stanford University, Palo Alto, CA 2008
- "Aurally and Visually Enhanced Audio Search"
  Google TechTalk, Mountain View, CA 2008
- *"Audio and the GPU"*
  NVIDIA, Santa Clara, CA 2008
- *"Exploring large sound databases"*
  Goldsmith University, London 2008
- *"Novel Audio Interfaces"*
  Queen Mary University, London 2008
- "New Ideas in Sound Editing Software"
  City University, London 2008
- *"Moving from Film Music to interactive Game Audio"*
  University of Applied Science, Bremen 2007
- *"The Future of Video Games"* (watch trailer)

Ökonomie

Material: ja. Betreuung: ?

de.wikiversity.org/wiki/Fachbereich_Mathematik

Kurse

[Bearbeiten]

Algebra

Lineare Algebra I (Betreuer: Stepri2003)

Kurzbeschreibung:	Konstruktion ganzer und rationaler Zahlen; Vektorräume, affine Räume und Unterräume; lineare Unabhängigkeit, Dimension und Basis; lineare Abbildungen, Matrizen und Koordinatentransformation; lineare Gleichungssysteme und Gaußscher Algorithmus
Zielgruppe	Schulmathematik

Lineare Algebra II (Betreuer: Stepri2003)

Kurzbeschreibung:	Eigenwerte und Eigenräume, Diagonalisierbarkeit von Operatoren, symmetrische und alternierende Bilinearformen; euklidische und unitäre Vektorräume, orthogonale Abbildungen; Hauptachsentransformation; einige Normalformen von Matrizen; Dualität und Faktorräume; Zusammenfassung der wichtigsten

Elementare Mathematik

Seminar:Elemente der Mathematik (Osnabrück 2009/2010) (Dozent: Holger Brenner)

Kurzbeschreibung:	Dieses Seminar dient der Vertiefung von verschiedenen Inhalten aus der elementaren Mathematik.
Zielgruppe	Studenten und Studentinnen des Lehramtes für die Mathematik (GHR).

Einträge zu „Elementare Mathematik" bearbeiten

Numerik

Numerik I (Betreuer: Stepri2003)

Kurzbeschreibung:	Rundungsfehler, Kondition, Stabilität, Lösung linearer und nichtlinearer Gleichungssysteme, Fehlerquadratprobleme, Interpolation, Splines, numerische Integration
Zielgruppe	Analysis I & II, Lineare Algebra I

Numerik II (Betreuer: Stepri2003)

Kurzbeschreibung:	Fortsetzung des Kurses "Numerik I":

Quersubventionierung?

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- RNA (5)
- Gene Responses to Environment (9)
- Consequences of Gene Regulation (9)

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- Genes and Disease
- Genetics and Society
- Genomics
- Nucleic Acid Structure and Function
- Population and Quantitative Genetics

GENE EXPRESSION AND REGULATION

Lead Editor: Laura Hoopes

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Klassenzimmer für meine Schwerpunktleute 2009
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Actinomycetes-streptomyces field: In particular about molecular mechanism in Actinomycetes ...
1 Member(s)

AHEC DNA camp — PUBLIC
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AP Biology — PRIVATE
AP Biology

AP Biology - Shepard — PRIVATE
This is a series of readings to support the units in genetics.

www.nature.com/scitable/Gene-Expression-and-Regulation-15/groups

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www.flatworldknowledge.com

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Fundamentals of Income Tax Theory and Practice—2009	Kiefer, Dieter	Published
Fundamentals of Income Tax Theory and	Kiefer, Dieter	Published
	McLean, Scott	Mar 2010

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ltc.umanitoba.ca/connectivism/?p=43

Certificate in Emerging Technologies Learning

George Siemens on Jul 13th 2008

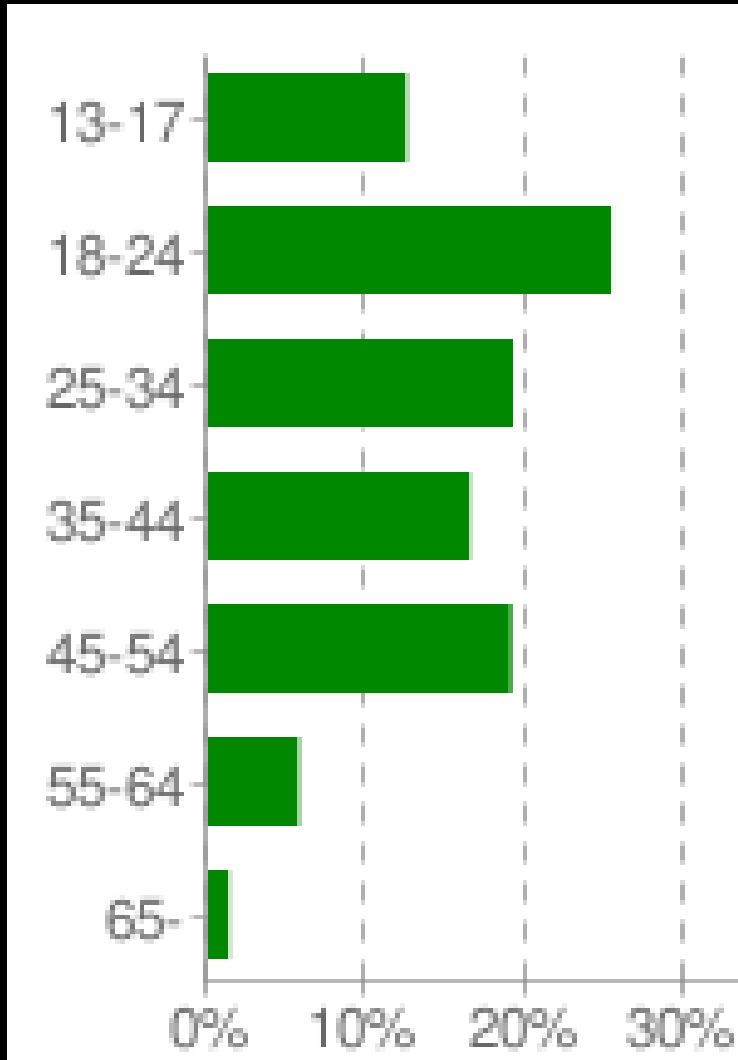
As previously stated, Connectivism and Connective Knowledge (C&C for 12 weeks starting September `08 (the wiki now has an updated

For those participants who wish to take the course for credit, the co taken as an elective in the CACE program. C&CK will also count as a course in a proposed Certificate in Emering Technologies for Learnin The certificate program is slated for delivery starting January `09.

Menschen

Zugang für alle?

blogs.zooniverse.org/galaxyzoo/2008/01/11/whats-the-blue-stuff-below



www.youtube.com/joernloviscach

Zugang für alle?

Failed SAT. Lost scholarship. Invented rocket.

William Shatner

Bildung nur für Gebildete?

archive.p2pu.org/Participant-bios-and-links-to-blogs

Participant bios and links to blogs

last edited by Andrea Hildreth 5 mos ago Page history

Navigate this course: Poker Outline - Chat - Particpant bios and links to blogs - The Wire

Niels Sprong. 'Sense maker' and discussion leader of the course. Holds a BA in Social Sciences and an MA in European Studies on Society, Science and Technology from Maastricht University. Currently working for UNU-MERIT and doing an MSc in Environment and Resource Management at VU Amsterdam. Likes to play card games and talk about card games. Synthesis of the tutorials: http://blogs.p2pu.org/poker/

Peter Wächtler. Grew up in Namibia, studied media technogy in Germany and then moved to Cape Town, South Africa where, he works as a freelancing programer. Winning poker is not his strong point, but getting an idea of the what lies behind the game of poker seems to be very rewarding. Blog: http://blogs.p2pu.org/repiet

Michael Penman works for Europe's largest university, The Open University, supporting distance and open learning by students and by offender-learners. That work has made him interested in educational technology and blended learning. He worked for five years as a commercial and civil mediator and developed an interest in poker then, but did not play until recently. http://blogs.p2pu.org/michael_penman

Fabian Rump. As a student of computer science at the University of Bonn, Germany he is interested in strategic and abstract thinking. He is not the best at winnig a poker table but he likes the way of seeing poker as a "closed system" that may follow certain rules which could help people in other "real life" situations. Blog: http://blogs.p2pu.org/fabian89

Dennis Riedel. Studied computer science and media in Wiesbaden, Germany. Works as project manager and web developer in Barcelona, Spain. Curious about strategy and psychology in poker and drawing connections to other areas like business and social interaction. Missing a poker face.
Blog: http://blogs.p2pu.org/dsriedel

Andrea Hildreth loves living in the San Francisco California Bay Area. She is currently working on an MS in Instructional Design and Technology with the career goal of encouraging schools to adopt a technology-friendly attitude, or

Bildung nur für Gebildete?

Eigenmotivation?

Verschriftlichung?

Soziale Vernetzung?

Englisch?

Umgangsformen?

Technik?

Selbstorganisation?

Zurechtfinden im „Hyperspace“?

Metawissen?

Verteilte freie Bildung?

Windows ⟷ Linux

Brockhaus ⟷ Wikipedia

Hochschule ⟷ ?

Das Netz experimentiert noch!

Hacking Education

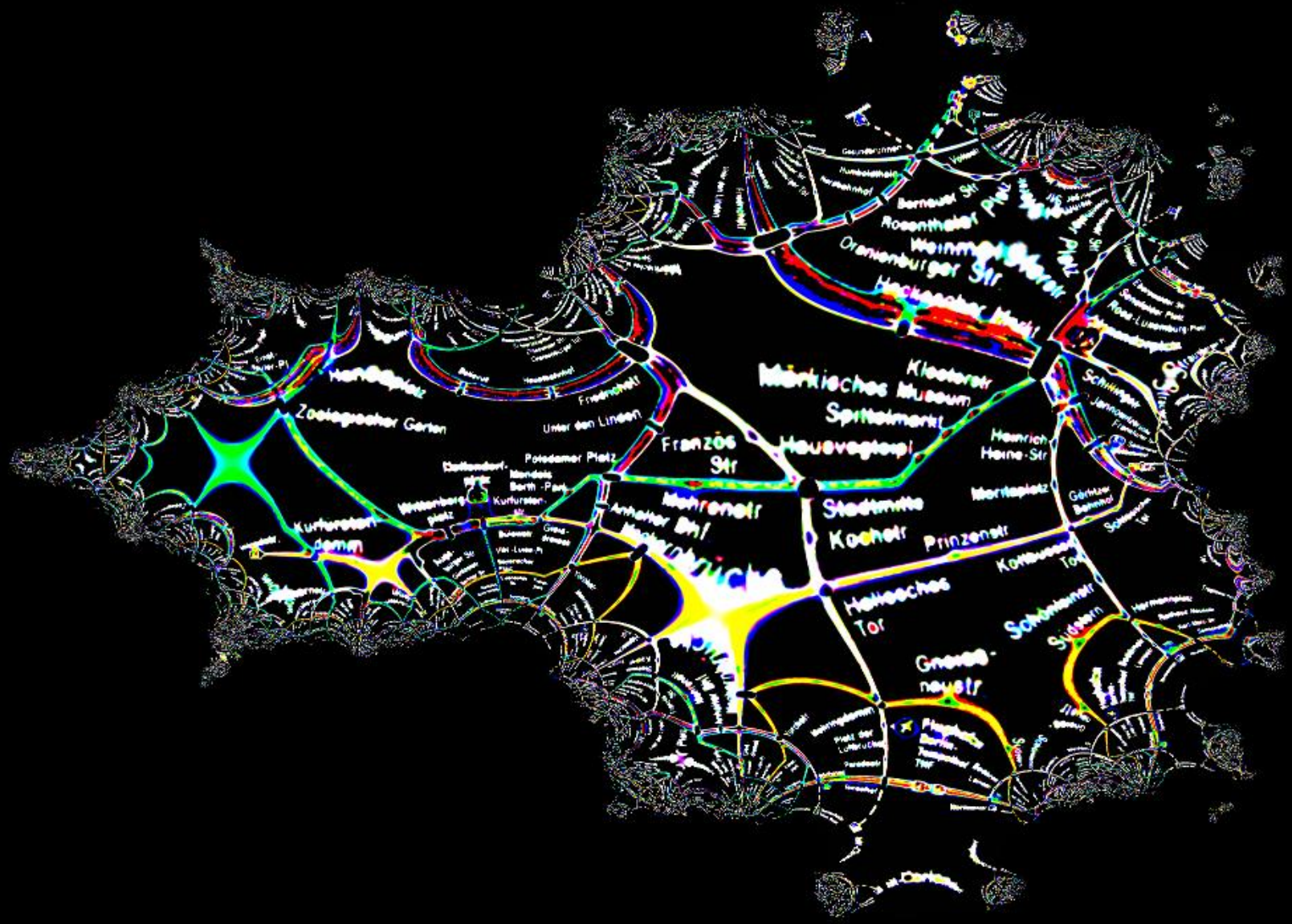
unionsquareventures.com/2009/03/hacking-educati.php

Slow Schools and Slow Education - connecting children to life

www.slowmovement.com/slow_schools.php

www.downes.ca/cgi-bin/page.cgi?post=44760

Kleine Teile, weit vernetzt?



Education is not filling a bucket, but lighting a fire.

William B. Yeats

joern.loviscach
@fh-bielefeld.de