Aula 9

(Exemplos interessantes - parte III)

http://disciplinas.stoa.usp.br/course/view.php?id=2996

A Revolution Begins...



Salman Khan Khan Academy



Anant Agarwal MIT/edX

MOOCs

Sebatian Thrun Stanford/Udacity



しつつにてイ

coursera









Seria a EaD (nas várias formas) a solução??

Discussão sobre os MOOCs

Link Folha de SP: Tec/2012

Link Folha de SP: Educação/2014

https://www.edx.org/blog/harvard-mit-release-working-papers...

http://harvardx.harvard.edu/harvardx-insights

https://www.edx.org/research-pedagogy

Discussão sobre os MOOCs

Title: Who Does What in a Massive Open Online Course?

Preprint – Accepted by Communications of the ACM

Authors:

Daniel T. Seaton^{1,2}*, Yoav Bergner², Isaac Chuang¹⁻³, Piotr Mitros⁴, and David E. Pritchard²

One Sentence Summary: We analyze learner behavior in the inaugural edX course (6.002x: Circuits and Electronics), including participation level, instructional resource usage, and time allocation.

What course elements correlate with improvement on tests in

introductory Newtonian mechanics?

Elsa-Sofia Morote and David E. Pritchard*



David Prichard MIT/edX

Modernização do Ensino na Graduação: o exemplo do MIT



Evento com o físico, Prof. Dr. David Pritchard - MIT

Programação 15:00: Palestra com Dr. David Pritchard - MIT

16:00: coffee break 16:30 - 17:30: mesa redonda e discussões com o palestrante e com professores da área de ensino da USP, UFSCar e UNICEP. Público Alvo: professores e alunos da área de ensino Local: Auditório Prof. Sergio Mascarenhas Instituto de Física de São Carlos Universidade de São Paulo Data: 02 de junho de 2014 Horário: das 15:00 às 18:00

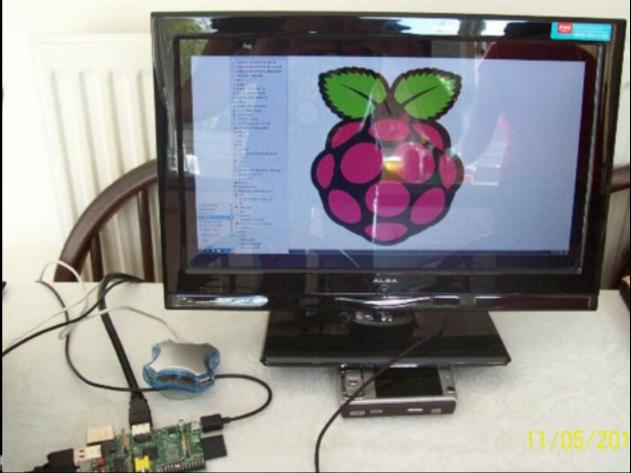
Entrada franca

Inscrição: com Benê 16 3373-9810, ramal 201 e-mail: eventosoptica@ifsc.usp.br

Tecnologia nas Escolas

⋆ Oportunidade de Pesquisa

- Uso de computadores de <u>baixo</u> <u>custo</u> nas Escolas Públicas de São Carlos
- Bolsas p/ estagiários disponíveis (bolsa PRCE-USP)





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	root@beag	lebone:~# cat /	/sys/kerne	:l/de	bug/gpio	
\odot	GPIOs 0-3					
	gpio-22	(Replic:pru-di	.r_y)	out	lo	
-	gpio-23	(Replic:pru-st	(ep_z	out	lo	
	gpio-26	(Replic:pru-di	.r_z)	out	lo	
	gpio-27	(Replic:pru-st	(tep_x)	out	lo	
=						
1	GPIOS 32-0					
	gpio-44	(Replic:pru-st	(ep_y	out	lo	
	gpio-45	(Replic:pru-st	<pre>cep_ext_)</pre>	out	lo	
1		(Replic:pru-di				
<pre>Pint</pre>		(Replic:pru-di		out	lo	
~	gpio-52	(eMMC_RSTn)	out	lo	
	gpio-53					
-	gpio-54	(beaglebone:gr	reen:usr)	out	lo	
	gpio-55		reen:usr)	out	hi	
_	gplo-56	(beaglebone:gr	reen:usr)	out	lo	
111	gpio-59	(McASP Clock E				
•	gpio-60	(Replic:pru-st	cep_ext_)	out	lo	
_	gpio-61	(Replic:pru-di	.r_x)	out	lo	
29						
/ .	GPIOs 64-9	95, gpio:				
-						

GPIOs 96-127, gpio: •root@beaglebone:~#



Wolfram Language & Mathematica free on every Raspberry Pi!



1

OCR⁰ OCR

1

Midori

IDLE

Python Gemes

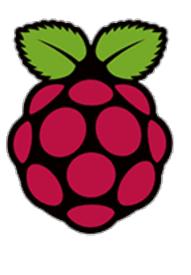
1 Scratch

8 Pi Store

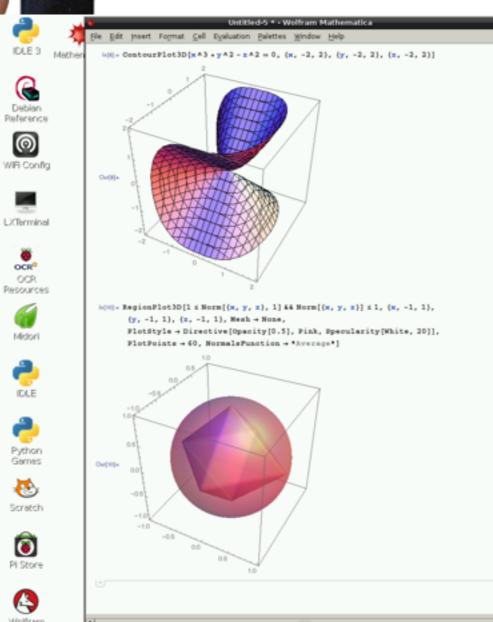
4

Wolfram

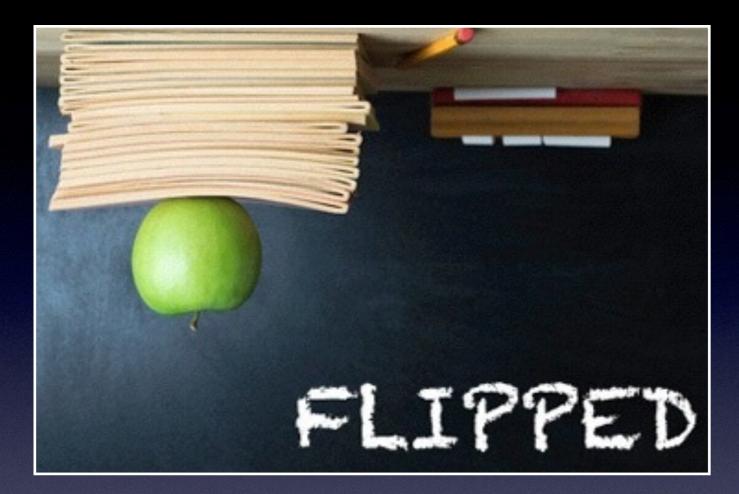










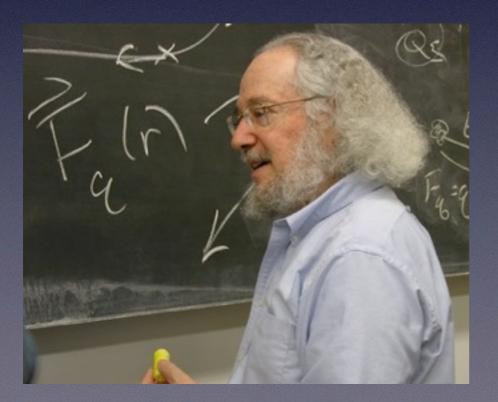


"Flipped Classrooms"

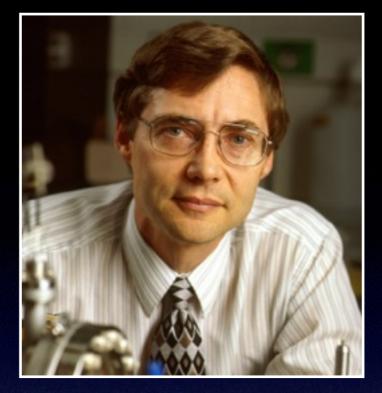
Classes mais interativas e participativas



Eric Mazur Harvard University



Joe Redish Unviersity of Maryland



Carl Wieman Univ. Colorado, Boulder

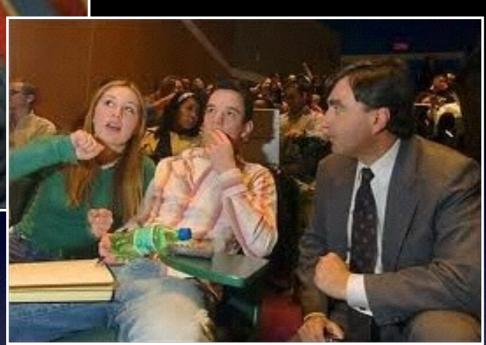


Robert Beichner North Carolina State Univ.

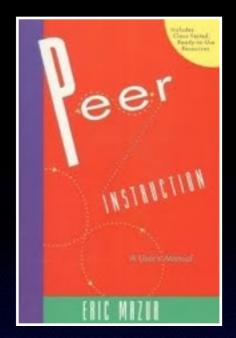




Eric Mazur (Harvard)





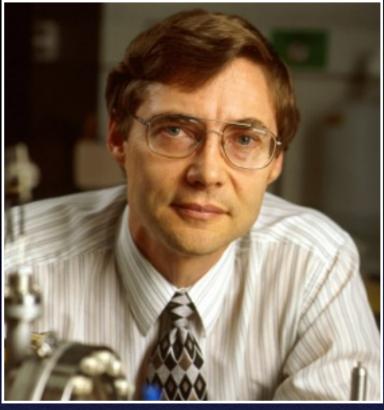


"Peer Instruction"



"Studio (workshop) Classrooms"

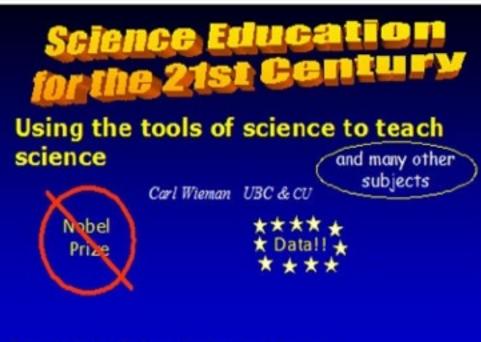








Carl Wieman (Univ. Colorado)



Colorado physics & chem education research group: W. Adams, K. Perkins, K. Gray, L. Koch, J. Barbera, S. McKagan, N. Finkelstein, S. Pollock, R. Lemaster, S. Reid, C. Malley, M. Dubson... \$\$NSF, Kavli, Hewlett)



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