The Lively Sketchbook & The Curiosity Amplifier: Research and the iPad

Ruben R. Puenteedura, Ph.D.
Why Does Research Matter?
• Grounds our work

• Explains why some solutions work better than others

• Creates frameworks for practice

• Creates conceptual models for practice

• Allows us to develop and share best practices

• Allows us to assess change, progress, and improvements
AS WE MAY THINK

A research center for augmenting human intellect

A Personal Computer for Children of All Ages

TO POLY : ANGLE : STEP
1. FORWARD : STEP
2. RIGHT : ANGLE
3. POLY : ANGLE : STEP
END

ON MAKING A THEOREM FOR A CHILD
Classroom Practices

• Seven Highly Effective Practices:
  • Teach critical thinking skills explicitly as part of my curriculum.
  • Ask open-ended questions of my students.
  • Provide independent study project opportunities for my students.
  • Provide long-range project opportunities for my students.
  • Assign creative or expository writing projects.
  • Give students different assignments or homework based upon individual ability or mastery of material.
  • Allocate time and opportunities for students to pursue enrichment projects beyond the usual scope of the course.
Pedagogy

Content

Technology

PK

PCK

CK

TPK

TPCK

TCK

TK

Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Modification
Tech allows for significant task redesign

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Substitution
Tech acts as a direct tool substitute, with no functional change
Dr. Ruben Puentedura
As We May Teach: Educational Technology, From Theory Int...
Category: Curriculum & Teaching
Language: English

Description
Over the past sixty years, new intellectual technologies have evolved from speculative conceptual sketches into concrete tools embodied in today's computers and the Web. However, the task of putting them to best use in education is still a work in progress. Join Dr. Ruben Puent... More ▼

Tap to Preview

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Defining Mobile Devices
• **Portable Devices:**
  - Netbook
  - Laptop

• **Mobile Devices:**
  - Smartphone
  - Mini-tablet
  - Tablet
Three Key Characteristics of Mobile Devices

- Ubiquity
- Intimacy
- Embeddedness
The Lively Sketchbook
The Lively Sketchbook
Free Exemplars & Replacements
Ideas for Young Learners
The Curiosity Amplifier
• General Search
• Media Search and Identification
• Lifestyle Search
• Social Network Participation
• News
• Augmented Reality
• Books
"Critical Pessimism" Revisited: An Open Letter to Adam Fish

A few weeks ago, Adam Fish called me out through his blog, Savage Minds, for what he saw as a harsh and unfair representation of the Media Reform movement in the final paragraphs of my book, Convergence Culture: Where Old and New Media Collide. He did so for the most part by simply reprinting my own words to frame a story he wrote about the recent Media Reform conference.

I was a bit surprised to find myself singled out as an enemy of the Media Reform movement. If I am the biggest obstacle to your success, you are much closer to victory than I had previously imagined. :-)

The experience was uncomfortable for me, but in a very constructive way, in that it...

Webster as an orthographic conservative?

Matthew Edney, who describes himself as “a British-born academic who now, 27 years after first arrival, is linguistically located somewhere in the general confusion of the mid-Atlantic”, sent me an interesting query about the history of English spelling. Since I know almost nothing about this subject, I’m forwarding the question to LL readers, who are likely among them to have the answers, or at least some useful observations.


Don’t try this at home

Following up on my posts about locative denominal verbs, yesterday’s SMBC: Without professional guidance, that kind of exploration could go off in all kinds of directions: And instead of emerging with some sensible conclusion (“...the bieventive analysis can form a basis for a unified theory of causativization across languages while the theta-role analysis cannot...”), you could wind up who knows where...

New app visualises your vehicle and driving activity

Since 1996 cars have been built with on-board computers to capture and store a wide range of diagnostic and...
National Education Crisis Could Spell Venture Capital Opportunity

WSJ 9 hours ago

A decade ago, the dot-com boom fueled a wave of venture investment in Internet-enabled education companies. Since then, the evolution of social media coupled with improvements in connectivity and mobility would seem to presage a new

How to Tweet From Email
ehow.com 2 hours ago

There are many different third-party Twitter tools online that can help you become more productive in the way you use the microblogging tool. For example, there might come

Teachers want to ditch Jane Austen because 'schoolboys don't have the stamina'
Mad Online 5 hours ago

Teachers want to ditch classic novels in favour of shorter books because they reckon boys do not have the stamina to read more than 100

PhD Detachment
thethesiswhisperer.wordpress.com 9 hours ago

I co-supervise a student, who surprised us at lunchtime last week by saying:

“I just don’t care anymore. What ever

6 Reasons Why Tablets Are Ready for the Classroom
mashable.com 12 hours ago

Vineet Madan is Vice President of McGraw-Hill Higher Education eLabs, which works with
The Potential of Mobile Devices
Vygotsky on Play and Learning

“...play creates a zone of proximal development of the child. In play a child always behaves beyond his average age, above his daily behavior; in play it is as though he were a head taller than himself.”
Apps Listed - *The Lively Sketchbook*

- Flipboard
- Zite
- Evernote
- Notability
- IA Writer
- Textastic
- WordPress
- Pages
- Keynote
- Numbers
- Tap Forms HD
- OmniGraffle
- OmniGraphSketcher
- SpaceTime
- Adobe Ideas
- SketchBook Pro
- Intaglio Sketchpad
- Filterstorm
- ArtRage
- Strip Designer
- GarageBand
- SonicPics
- ReelDirector
- Dragon Dictation
- GoodReader
- iTeleport
Apps Listed - *Free Exemplars & Replacements*

- neu.Notes
- AudioNote Lite
- AirSketch Free
- Stickyboard
- Free Spreadsheet
- Idea Sketch
- powerOne Scientific Calculator
- Quick Graph
- neu.Draw
- PhotoPad by ZAGG
- Drawing Box Free
- FlipBoom Lite Free
- Virtuoso Piano Free 3
- neu.Annotate PDF
- iBooks
- Google Earth
- Moon Globe
- GoSkyWatch Planetarium
- EMD PTE
- Molecules
- TinkerBox HD
- 3D Brain
- Peterson Feeder Birds of North America
- MoMA AB EX NY
Apps Listed - *Ideas for Young Learners*

- Flipboard
- Zite
- Dragon Dictation
- IA Writer
- Evernote
- Stickyboard
- AirSketch Free
- neu.Notes
- Drawing Box
- neu.Draw
- Comic Life
- Pictello
- GarageBand
- Toontastic
- SonicPics
- ReelDirector
- Photo Memory Game
- Join It
Photo Credits

• *Turning a page on the iPad*: Mike Baird

• *Contact Lens*: Maikel Nai

• *Les Deux Magots*: Robyn Lee
Resources – Part 1

Why Does Research Matter?


Resources – Part 2

Why Does Research Matter? (cont.)


Defining Mobile Devices/The Lively Sketchbook


The Curiosity Amplifier


The Potential of Mobile Devices

Hippasus

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rubenrp@hippasus.com

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