WHY ED TECH WORKS
RESOURCES AND HANDOUTS
michael-vaughn.com

Why Ed Tech Works
(and why it doesn't)
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Thank you
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ELON MAKER HUB
elon.edu/makers
so about today...

Instructional Technologist
Teaching & Learning Technologies

Instructional
Teaching & Learning

Technologist
Technologies

SAMRai
RESOURCES AND HANDOUTS
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@michaelavaughn
The Moodle Guy

Teaching Learning Instruction

product  process

What tool do you want to use?  What are the students doing?

Here's this new tool! (that has nothing to do with your teaching)

What are the pedagogical goals?
let's talk about ed tech and you

why does ed tech sometimes fail?

three reasons
(but not excuses)

1 unrealistic expectations
2 forced solutions

3 lack of support

confusion
frustration

fear

fof

fear of failure
fear of foolishness

lack of support

fighting myths that have elements of truth

technology can be a distraction
All this technology is making us antisocial.

What pedagogical strategy are you using that your students are taking notes for an hour and forty minutes?

how can we do better?

accepting two truths
Technology changes behavior

2006
Don’t get in strangers’ cars
Don’t meet people from the Internet

2016
Literally summon strangers from the Internet to get in their car

Educational needs have changed with technology

Maslow-ish Hierarchy of Needs
- Self-actualization
- Self-esteem
- Love and belonging
- Safety
- Physiological
- Wi-Fi
- Power

BYOD - Bring Your Own Device
SAMRai Bushido

three virtues of SAMRai

1 pragmatism

Technology is not perfect.

2 restraint

Technology is a tool, not a learning outcome.
Technology is not required.

Taking notes with pen and paper is not the absence of technology as much as the application of the most effective technology #elontlc15

3 intention

Technology works best in context.

what are students doing?

make a prezi

raise awareness
SAMR

it's not the tool

it's the process

What learning process does the tech enable?

Let's go analog.

redefinition
modification
augmentation
substitution
reflect and share their experiences

write a reflective journal

incorporate links and photos
augmentation

write a class blog

modification

redefinition

publish a book
Redefinition, modification, augmentation, substitution.

Acknowledging challenges.

SAMR levels are subjective.

Creating, evaluating, analyzing, applying, understanding, remembering.

Moodle: Immediate results.

Scantron: Can’t see results until they’re run.

Lower levels aren’t necessarily bad.
detailed analysis of questions available at any time

have to choose the analysis you want when the tests are run

eco-friendly

Elon used 1.3 miles of Scantrons in Fall 2015

augmentation

potential & failure

substitution augmentation modification redefinition

What engages students in learning?

and finally
authentic tasks
genuine purpose
meaningful products

Technology can facilitate terrific learning

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