Who is this guy?

What I do…

- Technology Director
- STEM Director
- Teacher (9 courses 6-12th grade – math, science, STEM)
- Technology Chairman (SIGML)
- Faculty (Colorado College)

What I have done…

Contact Me…

 @victorfitzjarrald @victorfitzjarrald

 @mrfitzjarrald vfitzjarrald

http://www.victorfitzjarrald.com/vilscon

Questions? Feel free to text me a question at any time and I will check my phone periodically…

 719-357-7092

Approval!

Classroom management is great! Using technology can be a problem. Make sure you get any new tech approved by:

1. Local Technology Support
2. Your Supervisor/Principal
3. District Tech Staff

Get your district involved!

Outline…

1. Plan

2. Execute

3. Assess

4. Revise

LEARNBOOST

engrade

socrative

LanSchool

First…

What is Management?

School and classroom management aims at encouraging and establishing student self-control through a process of promoting positive student achievement and behavior.

Thus academic achievement, teacher efficacy, and teacher and student behavior are directly linked with the concept of school and classroom management.

(Froyen and Iverson, 1999)

Mobile Learning

...fundamentally changing the way we learn...

Students are no longer passive receivers of content, but **active designers** of their learning experience.

...and the way we teach.

Educators have a greater insight into how people learn and have realized when it comes to education, one size does not fit all.

Planning for Mobile

Getting your classroom ready…

VERIZON INNOVATIVE LEARNING SCHOOLS

Section 1

iste.

*verizon*foundation

"Any teacher that can be replaced by a computer deserves to be."

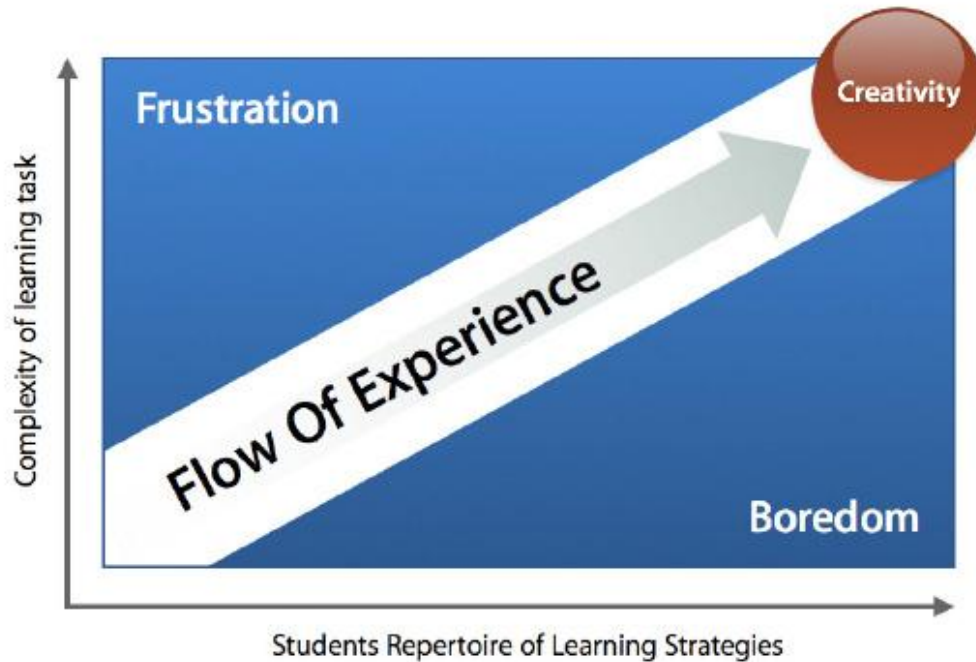David Thornburg

The "Skinny"

The skinny is finding the smallest number of High-Leverage, easy-to-understand actions that unleash stunningly powerful consequences. (Fullan 2009)

For Technology and Teaching:

Focus on student impact not on numbers!

Given the current strategies, org charts, institutional setups, policies, and incentive systems, the digital divide will continue to grow until the students become the professors. This is not to put the blame on faculty members or on anyone else; it's merely to say that the way things are currently set up is *not working* to reduce the digital divide (DSC). New habits *can* be launched, I have expressly said, on condition of there being new stimuli and new excitements (James). If we teach today as we taught yesterday, we rob our children of tomorrow (Dewey). Any growth requires a temporary loss of security (Hunter). Do not confine your children to your own learning for they ... the illiterate of the 21 century are not those ... that cannot learn, re... earn and unlearn. (To... ...omputer and new age technology, but if the teachers themselves are not able to bring it to the classroom and make it work, then it fails (Kassebaum). The last few decades have belonged to a certain kind of person with a certain kind of mind - computer programmers who could crank code, lawyers who could craft contracts, MBAs who could crunch numbers. But the keys of the kingdom are changing hands. The future belongs to a very different kind of person with a very different kind of mind - creators and empathizers, pattern recognizers and meaning makers. These people - artists, inventors, designers, storytellers, caregivers, consolers, big picture thinkers - will now reap society's richest rewards and share its greatest joys (Pink). Teachers need to integrate technology seamlessly into the curriculum instead of viewing it as an add-on, an afterthought, or an event (Jacobs). The need to know the capital of Florida died when my phone learned the answer; Rather, the students of tomorrow

Engage or not?

Engagement?

Complexity of learning task

Frustration

Creativity

Flow Of Experience

Boredom

Students Repertoire of Learning Strategies

Source: Csikszentmihaly, M (1996)

Keep students away from frustration and boredom.

This method of engagement in instruction can be done by multiple technologies and methods.

What are the classroom benefits of Engaging your students? (respond in chat)

The Cone of Learning

Gardener (1989) – Not all students learn the same way (Multiple Intelligences)
Bloom – The questions that promote the most learning build upon each other.

The Cone of Learning
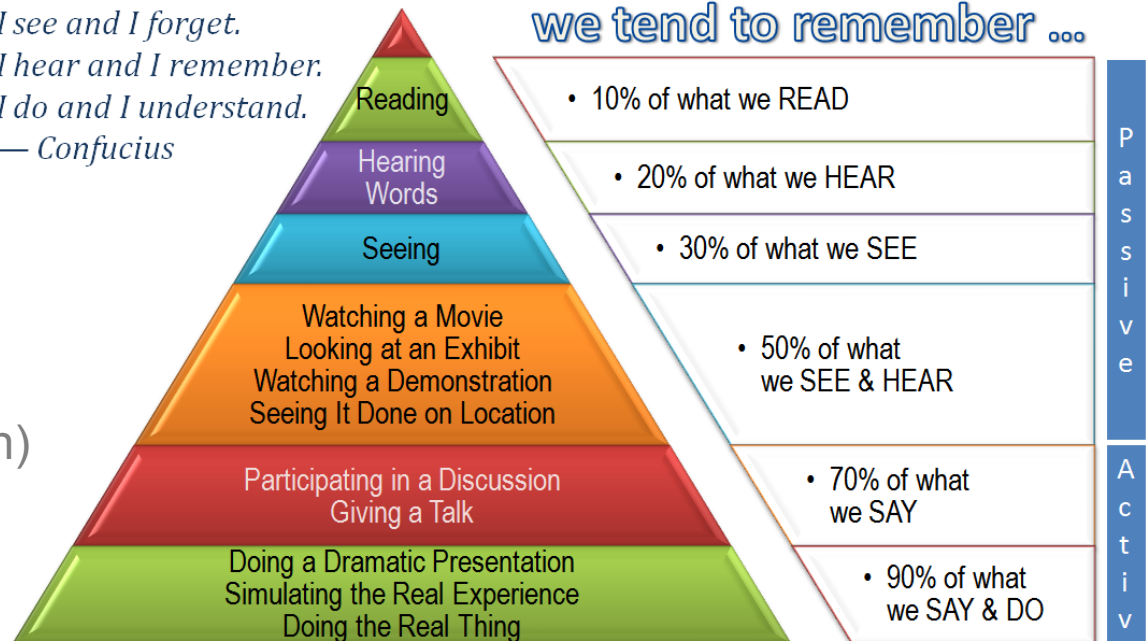
sparkinsight.com

I see and I forget.
I hear and I remember.
I do and I understand.
— Confucius

By moving into active learning, we can cover more… (higher retention)

After 2 weeks, we tend to remember …

Pyramid Level	Retention
Reading	• 10% of what we READ
Hearing Words	• 20% of what we HEAR
Seeing	• 30% of what we SEE
Watching a Movie / Looking at an Exhibit / Watching a Demonstration / Seeing It Done on Location	• 50% of what we SEE & HEAR
Participating in a Discussion / Giving a Talk	• 70% of what we SAY
Doing a Dramatic Presentation / Simulating the Real Experience / Doing the Real Thing	• 90% of what we SAY & DO

Passive / Active

Source: Edgar Dale (1969)

Learning Strategies

Generally accepted learning modalities are classified below.

Behaviorism, feedback and reinforcement

Constructivism, rich media, simulations and immersive environments

Informal or Situated learning, using education in "context aware" environments (in the field)

Collaborative learning, recording and sharing instantly

COLLABORATIVE LEARNING

> Ability to create collaboratively (student & teacher) authored resources

> Reinforcement when learners are receptive and in modes they may be more open to (peer reinforcement)

> Collective participation to tag and provide resources that may be relevant
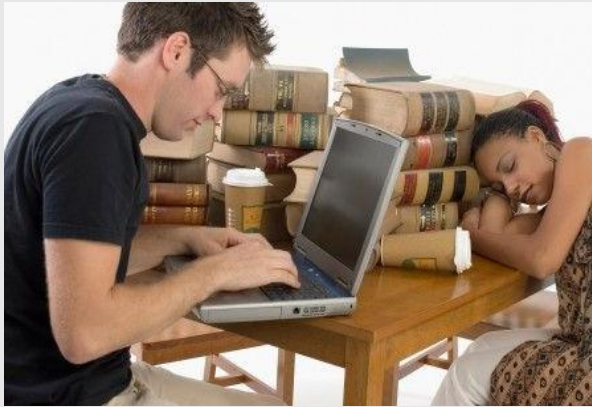
What else do you think?
(website reflection)

Kagan Structures

Polling/Clickers

Naiku Quick Question

Collaborative Writing/Editing

CONSTRUCTIVISM

> Mobile devices allow content portability into "context aware" environments

> Multimedia delivers 20 times more "minutes on the message"

> Expanding cultural and societal experiences

What else do you think?
(website reflection)

Google?

Inspiration

Design your own project…

Discovery!

INFORMAL & SITUATED

› Mobile devices allow content portability into "context aware" environments

› Access to educative material via multiple devices without barriers to access

› Capturing learning moments and environments

Mobile Planning

What are some distractions with Mobile Devices?

Stupid camera

Apps, apps, apps, apps, apps… More is not better!

Planning Apps…

Introducing Mobile

In your classroom…

Section 2

Begin

1. Only install apps you need (minimizes distractions)
2. Install locators…
    1. Android: Lookout
    2. iOS: Location Services
    3. Netbooks: PreyProject

For Teachers

1. Gradebook
2. Attendance
3. Seating charts
4. Behavior

Assess and Revise

To Maximize learning!

VERIZON INNOVATIVE LEARNING SCHOOLS

Section 3

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Document Document Document!

1. Ensure that you document what you did, if it worked, and what you would change for all of your adventures!

Any Questions?