

Apps for Instructional Leaders

The “Skinny”



Victor Fitzjarrald
December 23rd, 2013
DPS iPad Symposium

Who is this guy?

What I do now:

- Teacher
- STEM Program Manager
- Technology TOSA
- Instructional Consultant (ISTE)
- BYOD Consultant (Hopkins)
- Technology Chairman (SIGML)
- Faculty (Colorado College)

Future:

- Director of Technology – Korean International School



Unplugging Education



Contact Me!



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vfitzjarrald

<http://www.victorfitzjarrald.com/appsforadmins>

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



719-357-7092

First...

- Think, Pair, Share:
 - On your own, think about what you do during your day... (email, meetings, office time, observations, etc.)
 - Talk with the person sitting next to you (groups are okay) and answer: What is your highest time priority?
 - Share: What is your most common priority and why?

Lets get started...

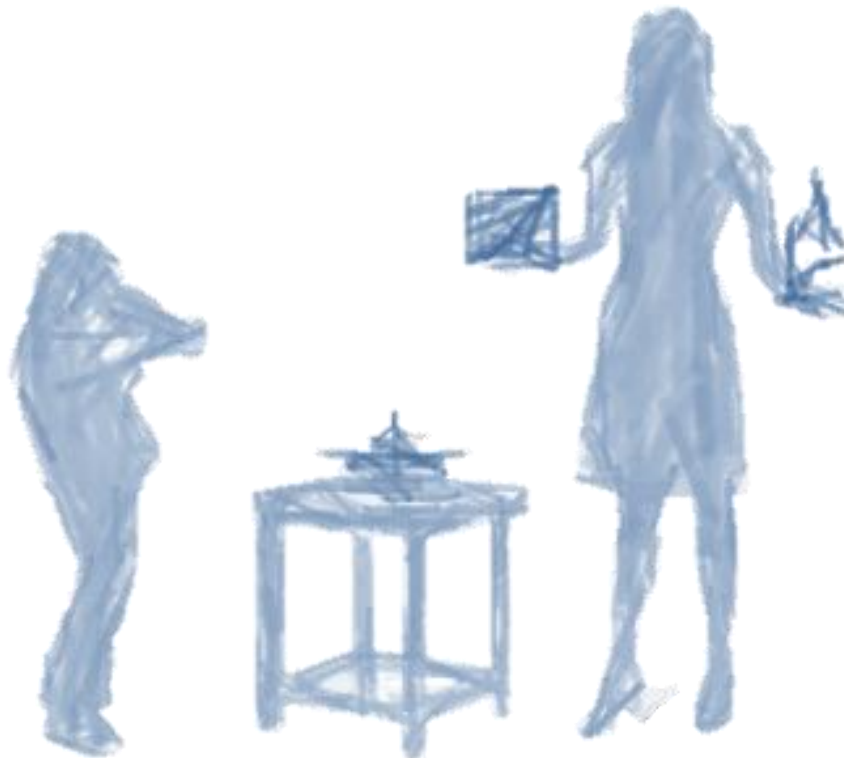
1. Basics... How apps can help (10 minutes)
 1. The “Skinny”
 2. Instructional Leadership - defined
2. Suggestions (as much time as we have)
 1. Resource Provider
 2. Instructional Resource
 3. Communicator
 4. Visible Presence

**“Any teacher that can be
replaced by a computer
deserves to be.”**

David Thornburg

Technology Change

What is the “Skinny”



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 impact for students, not on short term numbers...

The “Skinny”

Research Basis:

Kaizen – Continual incremental improvement by all members (Masaaki 1986)

“Invite” Continuous improvement (Deming 1986)

Eradication of Short Term Goals – Deming

“This means the elimination of goals that are based upon quotas, are highly numerical, and are short-term” (Marzano 2005)

“The role of the principal has grown from that of a manager to that of a change agent, an administrative-organizational specialist.”

(Glatthorn, p. 240)



Visionary
Leadership

Digital Age
Learning

Digital
Citizenship


iste.
nets
FOR ADMINISTRATORS

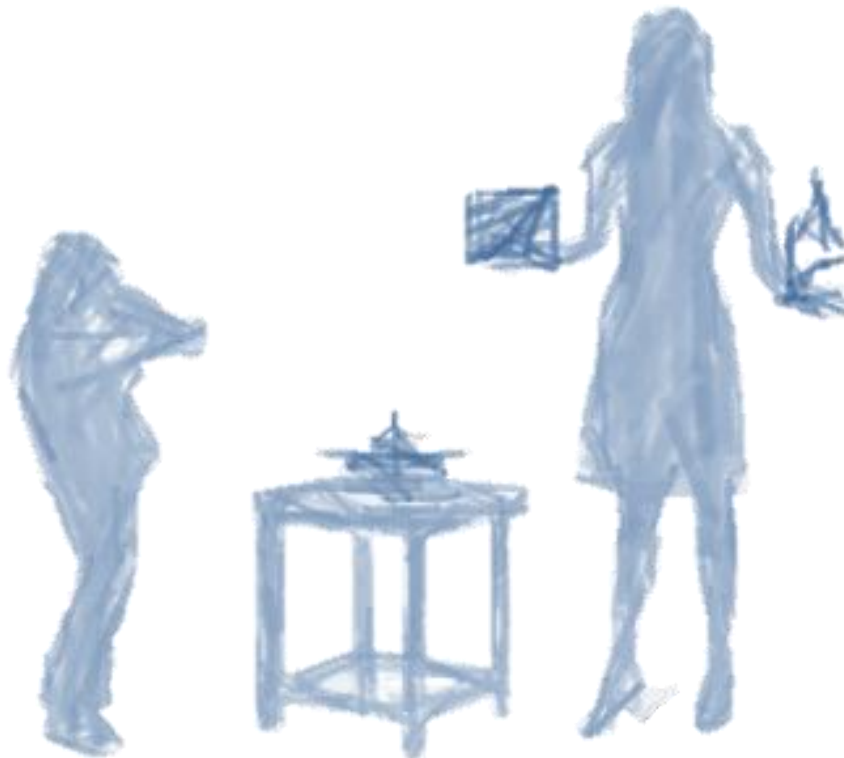
Professional
Practice

Systemic
Improvement

Instructional Leadership

“There will never be school improvement on any campus whose staff, teachers, and administrators are unable or unwilling to self reflect”

Jim Cox



Defined

One of the most frequently mentioned leadership concepts in North America (Leithwood 1999)

Smith and Andrews (1989) identify four domains of an effective Instructional Leader...

- Resource Provider

- Instructional Resource

- Communicator

- Visible Presence

Added onto by Blasé (1999) with:

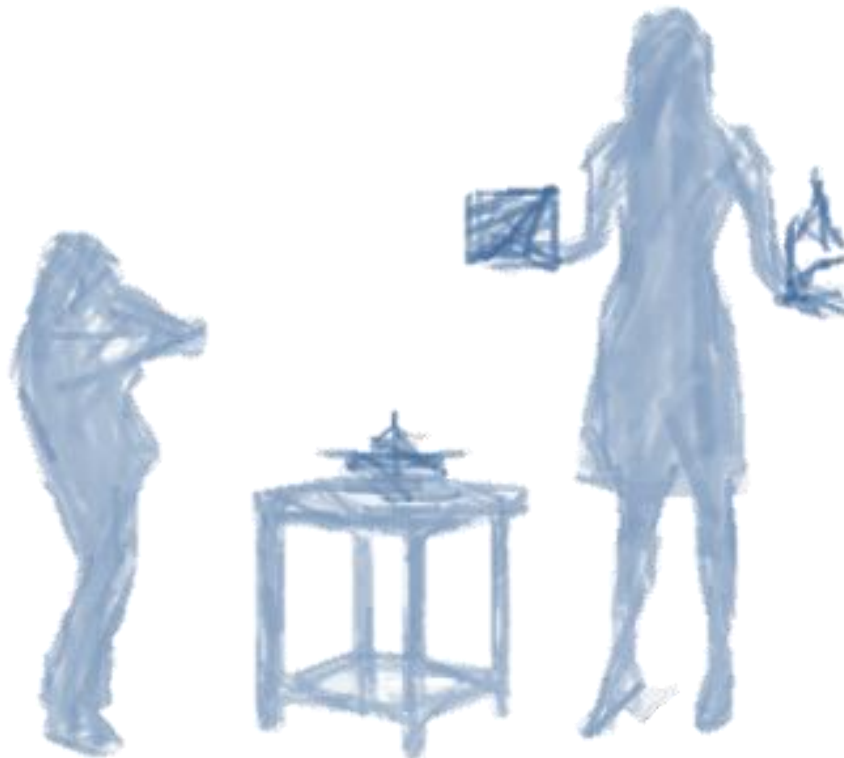
- Coaching Relationships

- Using Instructional Research

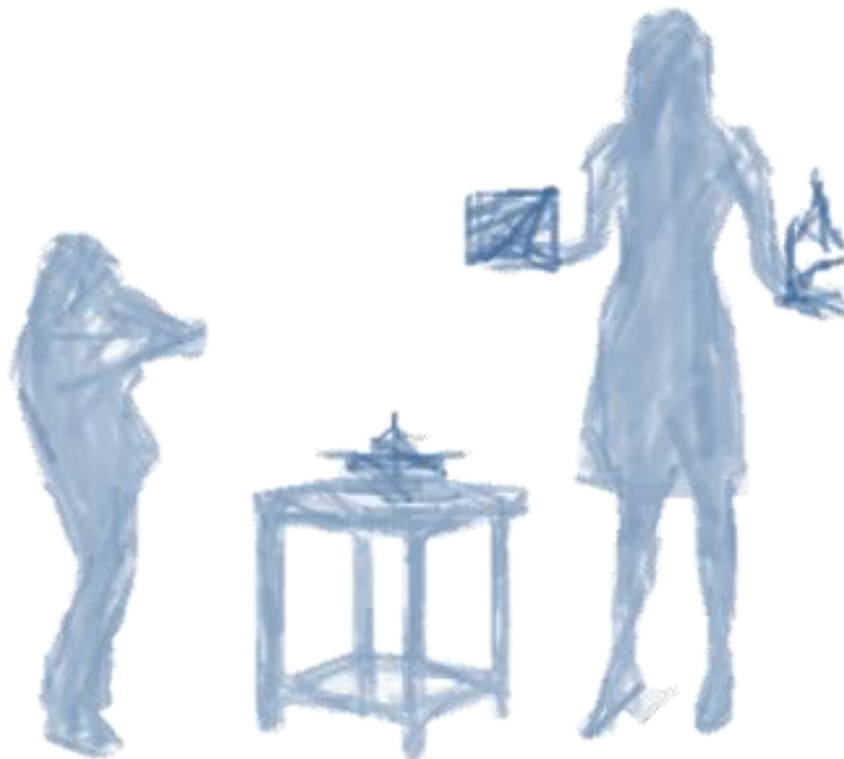
Resource Provider

“You cannot teach a man anything, you can only help him discover”

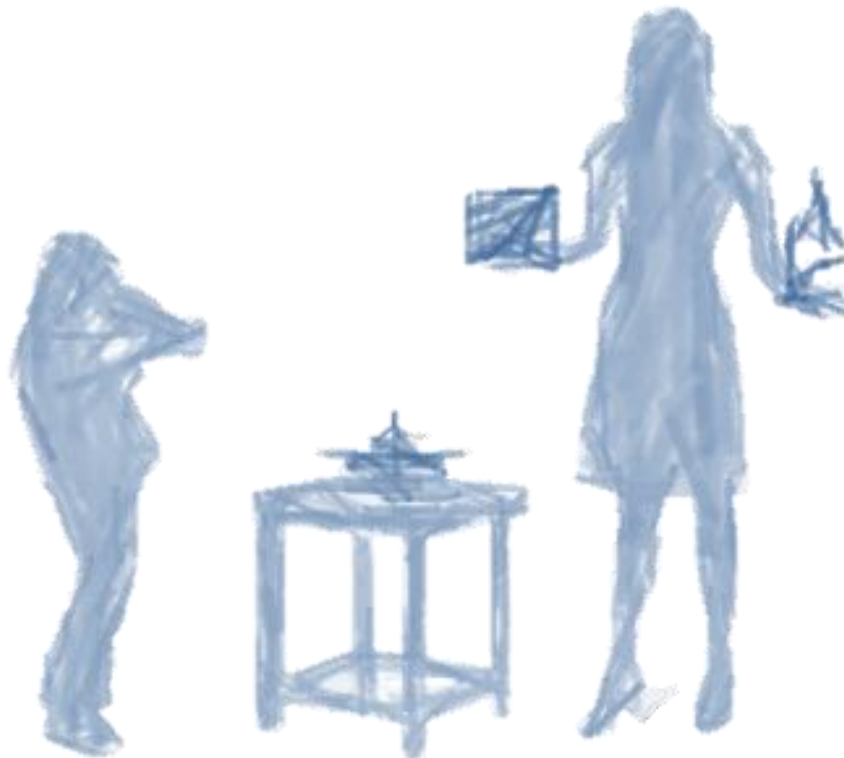
Galileo



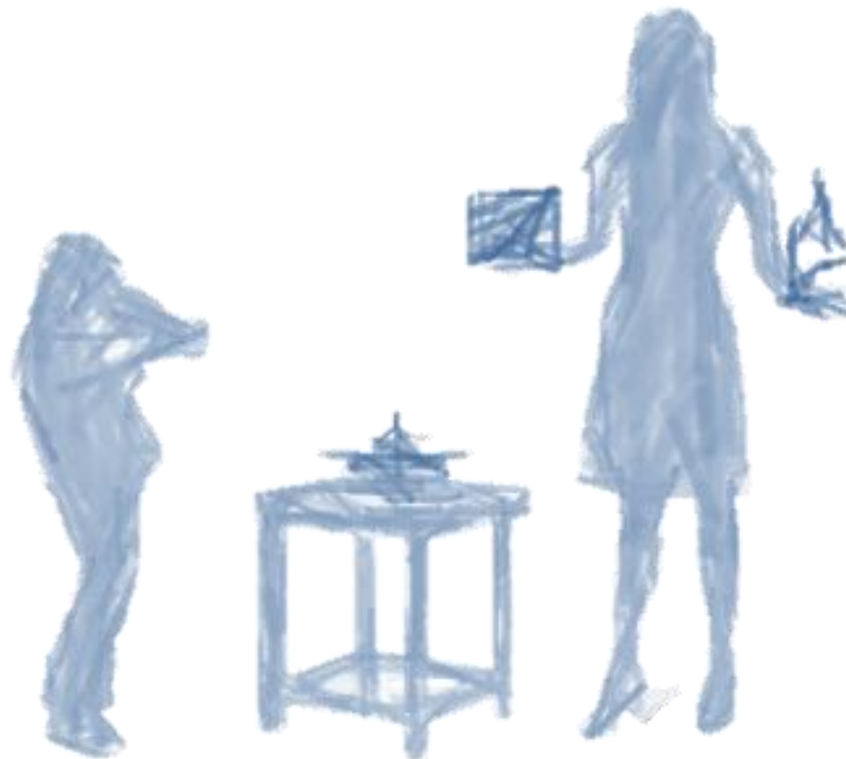
Instructional Resource



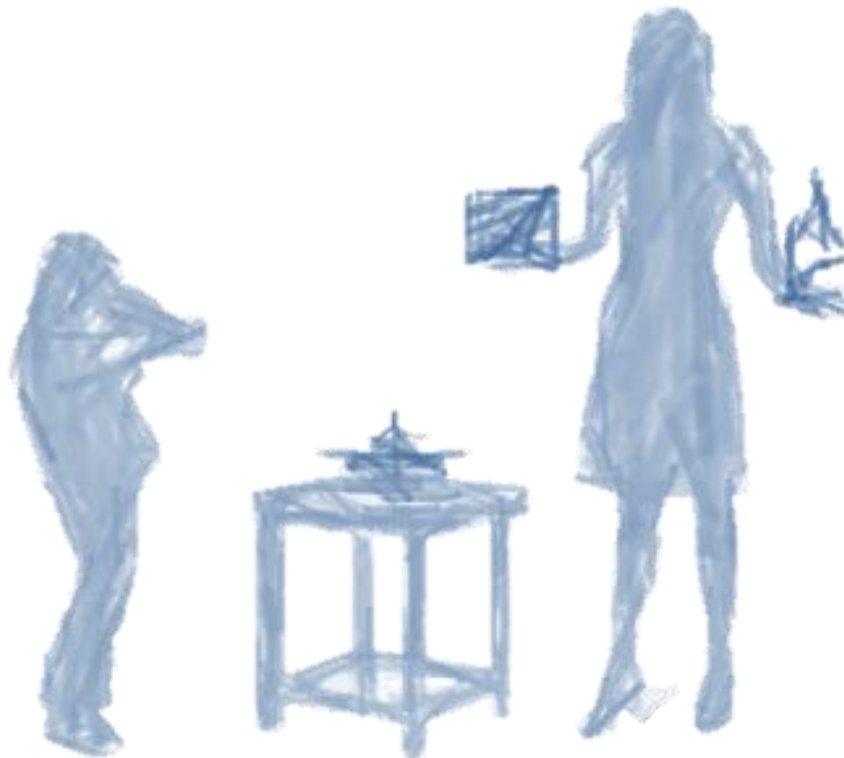
Communicator



Visible Presence

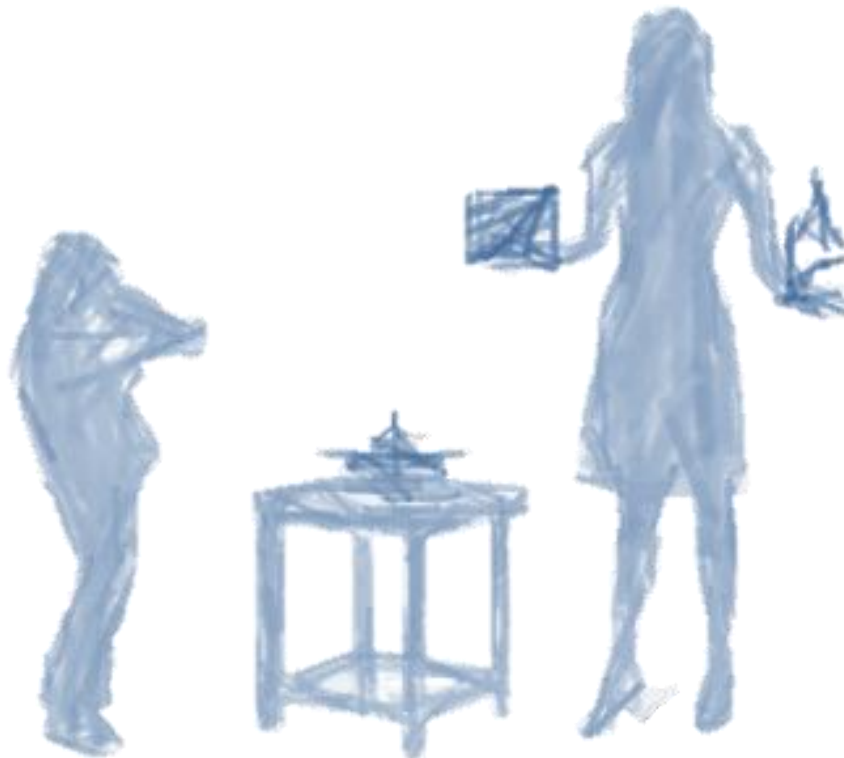


Networking

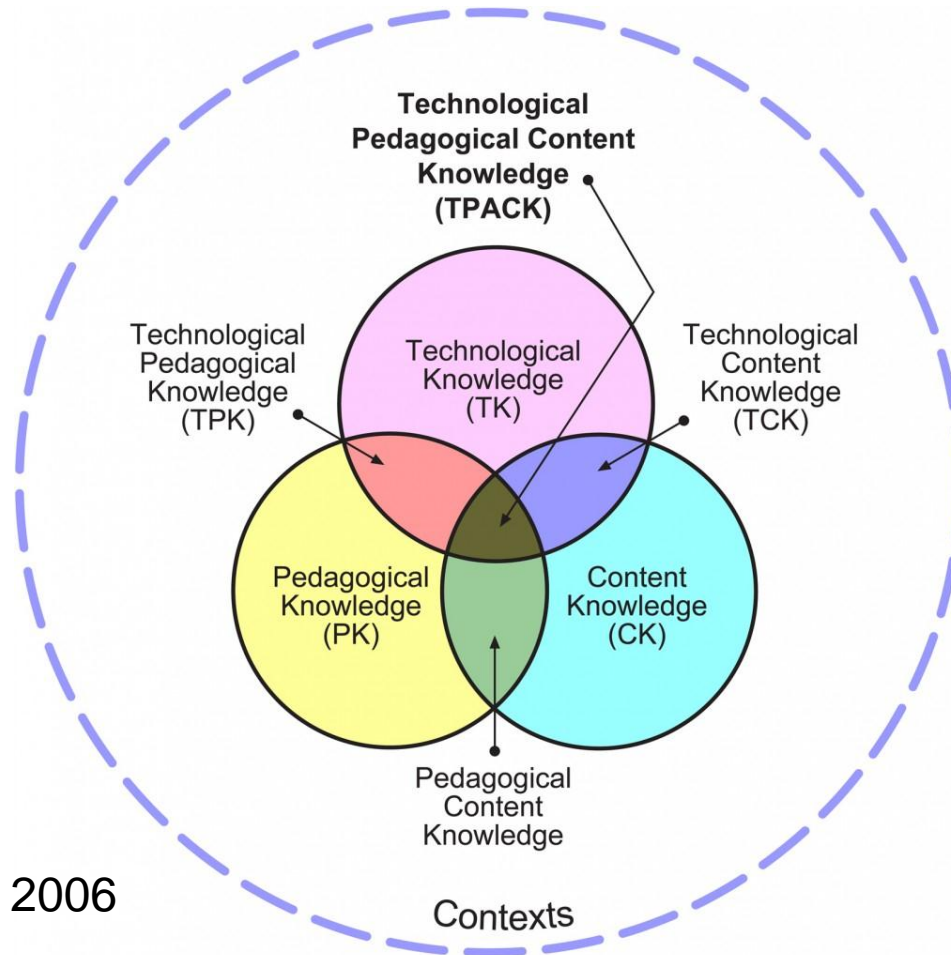


What can you do?

Knowing the resources is the battle!



TPACK Model



<http://tpack.org>

Mishra & Koehler 2006

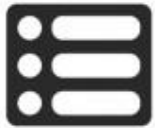
Clickers? (research)

- **What is the purpose of having students use clickers in class?**
- Integrate a “Game Approach” to Learning (Martyn, 2007)
- Engagement and Assessment (Duncan, 2006)
- Not as another “Test” (Weiman, 2005)

Truly “Mobile” Clickers

Multiple choice poll

“Choose your favorite color”



What is it?

With multiple choice polls, you define a list of possible answers. Graphs will display the results in real-time.

Clever uses

Audience choice awards for live performance events, live feedback for presenters, quick quizzes and customer profiling and market research.

Free text poll

“What is your name?”



What is it?

Your audience can text in anything. Gather feedback or identifying information, like names or ID numbers.

Clever uses

Ask people to respond with their name, an ID number, or their phone number. You can use this later to identify their other answers by matching up results from many polls. Public speakers can collect questions from very large audiences privately and choose which to address. Radio stations use free text polls to have listeners submit questions to the DJ. Educators can ask students for short answers. Use it to support silent auctions!

Goal poll

“Set goals and raise money”



What is it?

Receive pledges for donations to your non-profit from people via text messages! During your fundraising event, you can use our pledge thermometer which shows live pledges to add excitement and encourage other people to pledge.

Multiple Question Types
Easy to Use
Free for Educators
Multiple Responses



Poll Everywhere

Limitations:


1. Only allows for a maximum of 30 participants in the free version
2. No cross correlation of responses for the free version
3. No moderation

Polling for Instruction & Assessment (Examples)

What is a Star?



ing from

 **Start** this poll to accept responses

"i think a star is a big ball of fire"

almost 3 years ago

arrald

"i think a star is a big ball of fire."

almost 3 years ago

"i think a star is a hot ball of gas <\$J-DUBB\$>"

almost 3 years ago

"I think a star is millions of nuclear reactions happening to make light."

almost 3 years ago

"i think a star is a meteor that forms to a star *BIG hearts break easy*"

almost 3 years ago

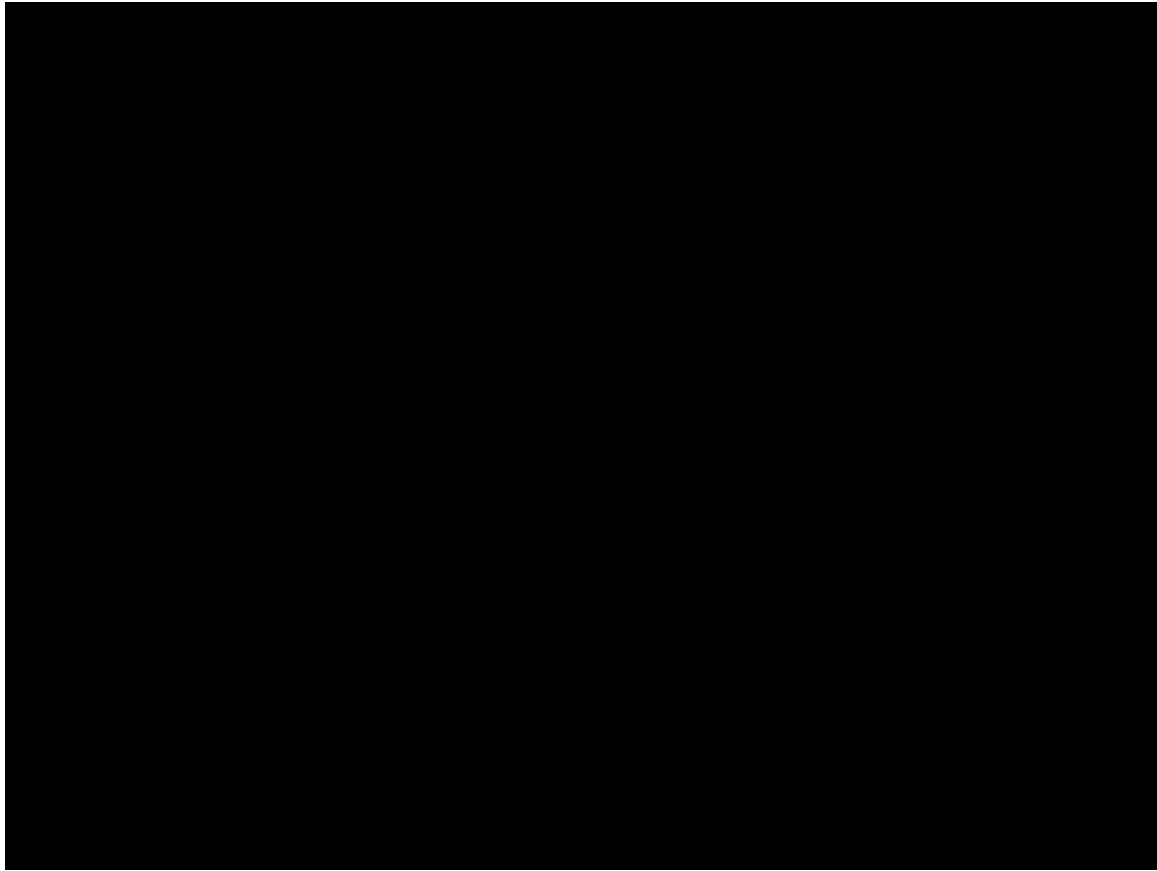
dinosaurs

rodent l...

Effective Integration of Polling

- What is the most effective (pedagogical) approach to conducting formative assessment in the Classroom?
- Think-Pair-Share (at your table)
- Be ready to share what a good strategy would be!

Flipped Classroom



Video-Based Teaching

The collage features several educational elements:

- A portrait of Bill Nye with the text "BILL NYE" on either side.
- A logo for "science 360 FOR iPad" with a tree graphic.
- A "PERIODIC TABLE OF VIDEOS" grid from The University of Nottingham. It includes a legend: "Click on any element to launch video" and "= recently updated" (indicated by a pink highlight). The grid lists elements from Hydrogen (H) to Oganesson (Og).
- The Khan Academy logo, featuring a hand holding a tree.

 **Discovery**
EDUCATION™

teachers'domain

 **verizon** foundation

The Khan Academy...

Seamless integration with Google apps accounts
Mentoring and Coaching options
Student Progress monitoring
Standards Alignment



Access via: www.khanacademy.org

The Khan Academy...

167,723,622 lessons delivered

139,689,698 lessons delivered

Common

Grade: K

Grade: 1

Grade: 2

Grade: 3

Grade: 4

Grade: 5

Grade: 6

Grade: 7

Grade: 8

Grade: 9-12

Class Statistics

38 Students

1,925,584 Class Energy Points

Progress Report

Shows you which skills your class has worked on and completed.

Started Proficient Review Struggling

Progress Summary

Daily Activity Report

Skill Progress Over Time

Class Points per Minute

Goals

Student Progress

Student	Addition 1	Number line	Addition 2	Telling time 0.5	Subtraction 1	Telling time	Number line 2	Subtraction 2
C_swiney	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
Victoriabarragan91	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
a_miranda	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
a_pokrovskiy	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
a_rocha	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
saron1257	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
ae_guevara	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
c_gray	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
c_prieto	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
christopherflores1993	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
d_brooks	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
d_goff	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
d_montoya	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
d_ontiveros	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
d_perkins	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
d_vazquez	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
e_martinez	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
f_guerrero	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
f_hernandez	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
g_ewing	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
gaugerivera	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
j_bynog	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
j_ford	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
j_gonzalez	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
m_casillas	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient
m_dominquez	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient	Proficient

070321Nieto.ppt Presentation1 UFO.ppt ExtraterrestrialLife.ppt alien far side 1 force ...ppt upd8_Planet_hunter_...ppt

Common Core OTHER RESOURCES

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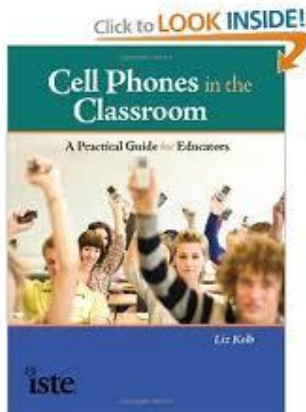
The Khan Academy...

Common Uses:
Math and Science Intervention
Additional Formative Assessment
On the Fly Assignments



How could you use video education in your classroom?

Liz Kolb



ISTE Author, extensive resources on her website.
Includes Lesson Plans and Resources
Maintains a Blog and Radio Show
Teaches Pre-Service Teachers
Active Twitter Member

Access via: cellphonesinlearning.com
Twitter: @lkolb

SIGML

ISTE Special Interest Group (SIG)
Part of your membership package
Active membership (3K+)
Research and Resource Databases



Access via: sigml.iste.wikispaces.net
Email IC: victor.fitzjarrald@gmail.com to join the SC!

iSchoolInitiative

Tools created by Students for Students!
iOS Specific App Selection and Tool Use
Includes lesson ideas and thriving PLN



Access via: ischoolinitiative.org

CK12 Foundation



- Free Textbooks
- STEM Applications
- Customizable
- Workbooks / Labs / SE / TE

Accessible at: www.ck12.org

Edmodo

- Interactive School Social Network
- Created for Educators with more control than FB
- Thriving community of Education Professionals



Access via: www.edmodo.com

Easy to setup school/teacher accounts