Vodcasts and Podcasts

Adding Additional Teachers

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Wednesday: 10:00 – 11:45
Friday: 8:00 – 9:45
I don't always use technology in the classroom.

But when I do, my students know more than I do.
Old Arab Proverb

• “It’s easier to steer the camel in the direction it is already heading.”

• Students are bringing technology (smart phones, MP3 players, video game devices, laptops, etc.) ... as teachers we need to take advantage of the technology and the student’s desire to use the technology.
Benefits to teacher

• Easy access
  • So much technology available

• Classroom management
  • Alt + Tab to check open pages – are they on task?
  • Stick to time-limits, if they waste time that’s on them!

• Communication
  • Within classroom with blogs
  • With parents

• Parents more involved

• TKES (Instructional Strategies, Differentiation)
Benefits to student

• Their generation
• Jobs of the future
• Interest level
• Ability to go at their own rate
• Remediation
• Advanced level students
Considerations about Technology Use

• Coupled with best practices and good instructional strategy.
• Appropriate to the task
• Provide students with authentic tasks.
• Should not be constantly teacher centered.
• Classroom management (established routines and procedures) is still key.
Learning Objectives

• As a result of this activity, the participant will leave with the ability to integrate the use of videos into the classroom setting.

• As a result of this activity, the participant will be able to create their own useful videos to use in the classroom.

• As a result of this activity, the participant will be able to use technology to expand their classroom.
The presentation will discuss how technology can be used to expand the learning and almost create a second teacher in the classroom.

The presentation will also include a little about how teachers (or students) can:

- examples of how the videos and technology can be used in the classroom (focus on allowing for small group instruction)
- create very basic videos to be used in the classroom, and
- how videos can expand the classroom outside the four walls.
Is this what it feels like your classroom looks like?


In reality more like ...

Special Education: 3 - 10
General Education: 15 – 35 Students?
But wouldn’t it be great if it was …

• 2:1 Student:Teacher Ratio

Your Comfort level

Help me to get to know you...

And PLEASE feel free to ask questions if you want me to elaborate on a topic.
Your experience

• Teaching grade level?
• How many of you have ...
  • SmartBoards in the classroom?
  • laptops in the classroom (or access some)?
  • tablets/iPads in the classroom (or access to some)?
  • created podcasts or vodcasts to use in the classroom?
  • How many of you use stations with a technology station involved?
The Day That Albert Einstein Feared Has Arrived!

“"I fear the day that technology will surpass our human interaction. The world will have a generation of idiots”

Albert Einstein
What drove me to using technology?
Brief Background

• General Ed Teacher
• High School Math
• Former students:
  • Keldric
  • Brittany
Technology I have in my classroom:

- Internet
- SmartBoard
- Calculators (TI-30 XS and TI-Nspire Calculators with Navigator system)
- Class set of netbooks
- Smart Reponse System
Technology I have access to:

- Class set of iPods
- Class set of iPads
- Flip Camera
- 3D Camera and 3D TV
How/when to use Technology

• Old school thinking
  • Some technology has to be earned
  • Trust students will properly use it
• Some is given
  • SmartBoard, example
How can I get to this point?

Integrate the use of videos into the classroom setting.
Why should we integrate technology?

Differentiation
Differentiation

• Abilities
  • Special Education
  • Gifted

• Interests

• How can we differentiate? (all of these will be addressed today)
  • Process (how the kids are learning)
  • Content (what are the students learning)
  • Product (how are the students demonstrating their knowledge)
Integrate

Help, I’m new at this...

How can I add some technology to my classroom?
Station Work

• Seen this used effectively at multiple levels of instruction

• For Example: Daughter’s Elementary Teacher
  • SmartBoard – students doing one thing
  • Reading Station
  • Laptops doing work
  • Small group doing a matching activity
Remediation

• Computer programs for practice
• Group students based on ability
• Differentiate the classroom
• Improve on weaknesses
• Videos for re-learning
• Brittney
  • Autistic Student
  • Can slow, pause, rewind video → I’m not known to do either
• Ex: Preparing for the big test, you know where students are weakest, give them the resources to get what they need to improve that weak area
Review

- Students decide what need more practice and help
- Whether student or teacher created
- Used to explain ideas or concepts
- Allows students to hit rewind and pause to go at their own rate
- Parents now can also watch the video
  - see what children are learning
  - Potentially becoming a new resource/help
Extensions

• Gifted and accelerated students
• Teacher working with weaker students
  • Or they work on reviewing concepts using technology
• Advanced students can have an extension
  • Designed to interest them
Extra Practice

• Higher level thinking is stressed
• Are our students prepared for this?
• They need exposure to these higher level thinking questions AND thinking
Alternative Assessment

• Allow students to create
• Demonstrate their understanding in a different format
• Make sure you include a rubric
• Alternative form of presentations
• Technology can add to these:
  • PowerPoint
  • Video
  • Websites
system of Polynomial equations
Jigsaw Activity

• Group students to gain knowledge
• Regroup to then share

• They become the expert based on what is shared in video, then regroup to pull one from each of many groups to share what they've learned
Personalized Learning

• Can use to differentiate
• Focus on where student's strengths/weaknesses
• Allows students to go at their own pace
• As previously mentioned, we can tailor the learning of each student
  • Remediate when needed
  • Accelerate when needed
Product and Public Speaking

• Create and allows for different audiences
  • Podcasts for parents can listen
  • Podcasts for world really
• Without pressure of presenting in front of peers
Interests

• Allows to split class into different groups by interests
• Used to help review expectations of groups

• Imagine a class where you have recorded a video with the directions for the assignments which vary based on the group’s interests.
Absent Students

- Allows them to be part of class
- Do not miss a beat
- Can be done easily - record your class (pause recording as needed)
- Don’t need to re-teach topic for one student
- or explain what was missed/expected
$x^2 + y^2 = r^2$

How are $x$, $y$, and $r$ related?

$$\sin \theta = \frac{\text{opp}}{\text{hyp}} =$$

$$\cos \theta = \frac{\text{adj}}{\text{hyp}} =$$

$$\tan \theta = \frac{\text{opp}}{\text{adj}} =$$

What would be the reciprocal identities? (csc, sec, and cot)
Technology Integration

What technologies do your schools have?
How can we integrate those into our classrooms?
Using the Technology Schools are buying

• iPads/iPods
• Gym classes – use MP3 players and music
• iTunes
  • Free download
  • Access to previously created material
  • Just need internet and computer (for vodcasts add a projector)
“There’s an app for that”

• ShowMe App
• Educreations

• Both are similar to smartboards for you (or students) to create videos
• and can be shared to website immediately.
Use your SmartBoard

• More than a glorified projector
• If you have one, spend time getting used to what it is capable of doing
• Tons of great features here (take advantage of Activity Builder features)
• Smart Slates
• SmartResponse System
  • Can take quick polls of class
  • Get a nice breakdown of results
• Can show more here if interested…
Use the Laptops

• Extension and Remediation

• Wikis and Blogs

• Research
  • Youtube – the pros and cons
  • Variety of ways to find information presented in variety of manners

• Presentations
  • Statistical software (math classes)
    • Mystat - free download
  • PowerPoint and Excel
    • Value beyond a classroom here!
This is a graded discussion: 3 points possible
due Feb 29

McDonald's Graph Equation Blog
Andrew Smith

Write a **possible** equation for the graph of the parabola formed by the McDonald's arch. Explain your reasoning for the equation you wrote.
Well, given that you have a point at the origin (0,0). The equation for the graph must pass through the origin. We also know that the graph has a negative a value due to the parabola being faced down. If we were to assume that the graph's vertex is (-2,4) then we have two points we can input into the vertex form of quadratic equations. I solved to find the equation y=(x+2)^2+4. Then I added my negative to the a value because it has to be negative in order for the graph to face downwards. This is my result. https://gyazo.com/13397d9a7de43fac06d9c73ae91bccbe

As you can see, my equation does pass through (0,0) and my assumption that the vertex is (-2,4).

We know for sure that one of the zeros is (0,0) and lets assume the second one is (-4,0) since they are close to each other them and that the graph is facing down so A is negative. So with that being said thenmm we can use the intercept form which is y=(x-q)(x-p) when p and q equal the solution of the equation. use this and find out that a possible graph for the McDonalds sign is y=-(x-0)(x+4)
BLOGGING IN EDUCATION

- Resource Sharing
- E-Portfolios
- Parent Communication
- Discussions
- Collaboration
- Providing Lessons & Materials
- Interactive Digital Reports
- Project Based Learning Platform
- Journals
Create

So you’ve talked about adding some of the technology, how can we create these?
• Please stop me if you want me to elaborate on one of these a bit more

• Some of them I am more familiar with than others, but my students have used all of them.
Be a pirate

• Don’t create when you don’t have to
• Use what is already available first
  • iTunes (numerous podcasts/vodcasts)
  • Youtube
  • Often take these and create corresponding handout
Math Teacher hint...

• Mathispower4u
• (better than Khan for many students in terms of explanations)

Mathispower4u Tutorials by James Sousa

Common Core Standardized Test Review

Grade 3/4 Playlist (21 Review Questions)
Grade 5/6 Playlist (25 Review Questions)
Grade 7/8 (19 Review Questions)

Click the links below for each playlist.

Number Sense

Arithmetic/Prealgebra Video Library
Algebra 1 Video Library
Algebra 2 Video Library
Geometry Video Library

Welcome to Mathispower4u!

This site provides almost 5,000 free mini-lessons and example videos with no ads.
The videos are organized by course and topic.
Statistics Video Library

This work is in the public domain. Therefore, it can be copied and reproduced without limitation. However, we would appreciate a citation:

OnlineStatBook's Channel

1. Introduction to Statistics
   - https://www.youtube.com/playlist?list=PLnTz1Qcq92Cr5Vd9ClK_i7uI1sJuDVb6Sf
   - Intro to Stats: Importance of Statistics
   - Intro to Stats: What are Statistics?
   - Intro to Stats: Variables

2. Introduction to Descriptive Statistics
   - https://www.youtube.com/playlist?list=PLnTz1Qcq92Cr5Vd9ClK_i7uI1sJuDVb6Sf
   - Intro to Stats: Summation Notation
   - Intro to Stats: Percentiles

3. Introduction to Inferential Statistics
   - https://www.youtube.com/playlist?list=PLnTz1Qcq92Cr5Vd9ClK_i7uI1sJuDVb6Sf
   - Intro to Stats: Linear Transformations
   - Intro to Stats: Levels of Measurement
First Things First With Creating...

- What is the goal
- How do you want to achieve this goal?
  - video (vodcast)
  - audio story (podcast)
  - PowerPoint/Smart Notebook
  - etc.
- Student created or teacher created?

Always lay this out in advance
Smart board

- SmartBoards should be more than glorified projectors.
- Experiment with yours (if you have one)
- Does so much more than PowerPoint does
- Create a video to show what is on SmartBoard and hear your audio using Recorder feature
  - I do this a lot for absent students!
Video Camera

- Flip Cams for example work great for students as they are very simple to use.

- English teacher (and drama teacher) does a great job of allowing her students to use Flip Cams to create videos and “commercials”
iPads or tablets

• As previously mentioned...Different Apps
  • Educreations
  • ShowMe
• Just using the camera to record a video presentation
Photo Story

- Add audio background overtop of pictures
- Great even for elementary school age students
Import and arrange your pictures

Select the pictures you want to use in your story, and then arrange them in order on the film strip.

Learn more about editing your pictures

Greenwave Soccer Team

Remove black borders...
Can do minor editing…
Record audio slide by slide

Narrate your pictures and customize motion

You can narrate your story by clicking the red Record button. Step through your pictures as you narrate by clicking a picture on the film strip.

Learn more about customizing motion and selecting transitions.
Welcome to Photo Story 3 for Windows

Photo Story helps you to create exciting video stories by adding panning and zooming effects to your pictures.

Use Photo Story to record narration for your pictures, and add titles and background music to your story. You can also share your story in a variety of ways.

Select one of the following options, and then click Next.

- Begin a new story
- Edit a project
- Play a story
Audacity

• Purely Audio
• Don't get too cute
Microsoft Mix

- Enables you to create video of your PowerPoint
- Allows you to publish it online immediately
Office Mix

- Audio and video narration
  - Can add a video of you talking (not just audio but with webcam)
- Real-time digital inking
- Screen recordings that show actions you take on your computer
- Create interactive content
  - Quizzes and polls
  - Simulations, videos, and live web pages
  - Link to Khan Academy and other videos/websites
- Can create a slide recording
Do we think Microsoft Mix is something we could use in our classrooms?

- [ ] Allow Single Choice Only
- [ ] Allow Multiple Choices

- Yes
- No
- Maybe

+ Add another answer
THAT FEELING YOU GET

WHEN YOU SHARE AN
AWESOME TECH TOOL!
Movie Maker

• Easy and free way to edit movies
• Available on most PC’s
Websites

• [www.dipity.com](http://www.dipity.com) – Interactive Timeline
• [www.thinglink.com](http://www.thinglink.com) – Photos with Hotspots
• [www.flipsnack.com](http://www.flipsnack.com) – PDF to online book
• [www.socrative.com](http://www.socrative.com) – Online Quizzes (smartphone, iPod, netbook, etc.)
Anglo-German Naval Agreement

Description

Anglo-German Naval Agreement
Jun 17, 1935

Germany is to be allowed to build a fleet of up to 35% of the British fleet. This contravenes both the Versailles Treaty and the Stresa agreement.

Added by: jamesblackburn

Share:

[Icons for sharing on social media]
SENSORS/FIBER OPTICS:
Heat Shrink, Convoluted, Engineered Surface Tubing and Spiral Cut products are used to insulate and protect sensors, fiber optics and wiring back to the Power Control Module (PCM).

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ZEUS
KEEP TECHNOLOGY FLOWING
My flipping books

Hello. You don't have any flipping books yet. Start your first one! If you have any questions, check our guides!

Guides

Getting started
Learn more about your new license, accessing your account...

New flip
Learn more about the process of adding documents, customize a...

My flipping books
Learn more about managing your flipping books and all about the...

My profile
Learn more about customizing your FlipSnack profile
Ready to go! Quick Overview.

Teachers and students can use Socratic on any device with a web browser (tablets, smartphones, laptops, iPod Touches, etc.).

Teachers login at t.socratic.com by entering their email and password.

Students login at m.socratic.com by entering the "virtual room number" provided by the teacher. Students will then see “Waiting for teacher to start an activity...”.

Teachers initiate an activity by selecting it on their main screen (e.g. Multiple Choice, T/F, Quick Quiz).

Students respond on their devices.

Students' results are visible on the Teacher’s screen or sent in an email.
Expand Classroom

Breaking down the barriers of the classroom walls...
How can we use the resources to expand our classroom?

- So now we’ve created (or found an activity)
- How can I expand my classroom?
- Every classroom ~ are the teachers outnumbered?
- Reach every child?
- Differentiate your instruction?
  - Special Ed teachers do this MUCH better than general ed typically
Virtual field trips

- Money cut to take students on field trip?
- Talking about something too far away?
- Consider a virtual field trip
- Numerous opportunities here
- Search the web for some
- Google Earth
Use the web...

- Seriously, this can be a great tool!
- (Even youtube)
- For example, teaching about Washington D.C.?
- Smithsonian Website has a long video (12 minutes) that breaks down each of the museums.
Homework

- Flipping the classroom
- Allow students to learn the material at home
- Practice the material with you there as a resource when they have questions
Sample video for flipping the classroom...
Small Group Instruction

• Station work mentioned earlier
• Review~ allow students to focus on topics they struggled with
• Allows you to have multiple voices in the classroom helping students
  • Expanded your abilities and talents to multiple groups
Consider the uses we discussed

- Small groups
- Station work
- Remediation
- Acceleration/Extensions
- Extra Practice
- Alternative Assessments
- Etc.
Wrapping things up

Brief Review

Contact information
• “The first and most important principle of technology integration is that the focus should be on the outcome of the instruction, and not on the technology itself.” ~Bobby Hobgood and Lauren Ormsby
Reviewing what I hope we learned today...

• As you leave here can you:
  • Think about how YOU can integrate technology into your classroom?
  • Think about how YOU (or your students) can create various podcasts/vodcasts
  • Think about how YOU can allow your students to break down the walls of the classroom and do so much more within it
Questions???

Education and Technology

- What my colleagues think I do
- What my principal thinks I do
- What parents think I do
- What my parents think I do
- What my husband thinks I do
- What I really do
Contact information

• If you think of any questions or wanted some of my resources feel free to email me:

• Smith.andrew.j@muscogee.k12.ga.us

• Or call

• 706-341-5881