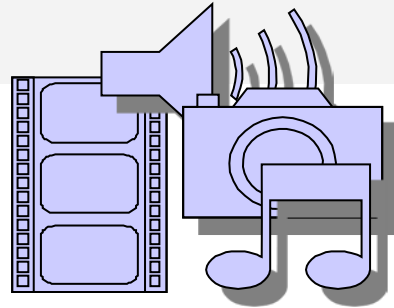
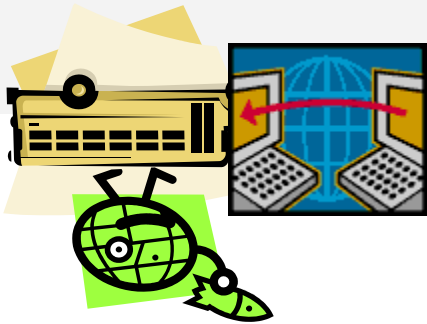


Beginning to Flip/Enhance Your Classroom with Screencasting



Check out screencasting tools from
<http://21things4teachers.net>

(21 Things project)

This session

- **Flipping out**
 - A beginning exploration of “flipping your classroom”
- **Focus** on Screencasting tools
 - recording your screen
 - recording your voice
- Planning, Pre-Production, Production, Post Production, Distribution/Sharing in this presentation shared online
- Some tips for creating great screen casts as we go and in this shared presentation



work
watch concepts video
used works coming mobile
class
lectures
pause
want
paired
replay
complete
recorded
outside
several
times
uploaded
instead
mute
series
help
view
problems
time
even
allows
YouTube
prior
flipped
sequence homework
assessments
formative
experiment

Flipping over VoiceThread

(now an app as well)

- VoiceThread – delivers mobile content with voice, visuals and video and invites students to participate in engaging assessment activities.
- Empowers an instructor to use class time on the topics that matter to students.
- With passive listening taking place outside of class, students become active participants and engage in discussion, debate and critique to foster higher order thinking skills.
- The mobile lectures provide the flexibility to pause, rewind and learn in a way that meets individual needs.”

*Michelle Pancansky-Brock uses Voice Thread
for her lecture-based art history class.*

Accessible Content

it's not ONLY about the video

- Organizing content with CMS
 - Moodle and Blackboard
- Addressing multiple learning styles
 - Providing linked readings
 - mp3 downloads
 - Additional web interactives & resources
- Assessments
 - Pre quiz and tests
 - Accompanying handouts
 - Collaborative assignments

Countering 'Flipping'

- Students may not have technology at home so we're not bridging any gap
- Flipped homework is still homework
- This might just mean more time for bad pedagogy...
- This is not transformational – stop grouping by date
- Students aren't learning from lecture – this moves it to the home instead of class. Lecturing doesn't=learning

~ [The Innovative Educator blog](#) Five Reasons I'm Not Flipping Over the Flipped Classroom *Oct 8, 2011*

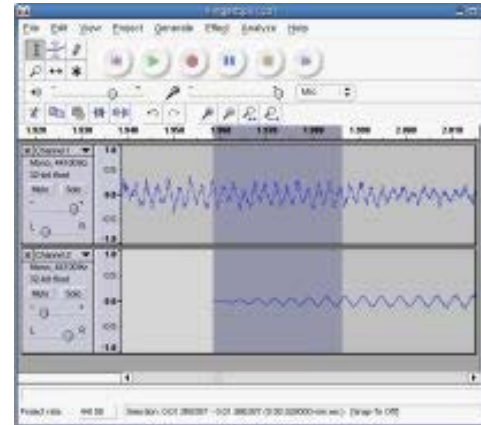
Screencasting Tools

Recording your screen

- Capturing your content (PPT, doc files, document camera, computer screen...)
 - [Camtasia Studio](#) (dual platform) most professional
 - [Jing](#) (web based) 5 min max free trial
 - [Screencast-O-Matic](#) web-based 15 min free
 - [Screenr](#) (dual platform) 5 min max free trial
 - [CamStudio](#) open source free streaming video software

Recording your voice for MP3's

- [Audacity](#)



- With your slides or images and with commenting features
 - [VoiceThread](#) free
 - Or subscribe to ed.voicethread.com \$60/annual

Thinking, Planning, Production...

Post Production, Distribution and
Tips

Thinking & Planning

- Thinking:
 - What is your objective?
 - What do you want them to ‘learn’?
(content)
 - Who is your target audience?
 - What’s the best medium for your goal?
 - What type of ‘voice’ will be most effective?

Equipment/Software Tips

laptop or desktop

1. Use Camtasia Studio (educator pricing avail)
2. Use a quality USB digital headset with a microphone
3. Position the mic away from your mouth, below and to the side
4. Place the cord and mic so it doesn't rub against your body or clothing

Tips for Screencasting from iPads

- Apps:
 - [Show ME](#) – whiteboard - record the screen with voice-over to share as an online video. Import images and share your video.
 - [Screenchomp](#) - TechSmith Labs – scrolling whiteboard, markers, record the screen and send videos to Screenchomp.com to share
 - [Air Sketch](#) Free (black marker only) and 9.99
<http://www.grayon.com>
 - Wireless whiteboard, annotate pdf documents and images live.
 - [Explain Everything](#)
 - Records on-screen drawing, annotations, animations, narrate explanations and presentations. Import photos, pdf, ppt, keynote from Dropbox, Evernote, Email, iPad photoroll and camera. Export MP4 movie files, png images, share the .xpl file with others

Planning Process

- Storyboard your project
- Use graphic organizers, index cards, prompts...
- Script it out, talk it through
- Gather and prepare your Media Resources
- Walk it through
- What screens and websites will you have ready?

Production

- Consider distribution
- Practice everything
 - Record a draft

Pre-Production Tips

1. Cursor or not? Do you want it visible in the recording and choose the 'effect' desired (enhanced or none)
2. Close all other running programs and windows
3. Clear your desktop of clutter, files, documents
4. Select the size and resolution for recording (640x480)
5. Use a dual monitor setup if possible
6. Do a test – practice run through, practice again – watch for noisy breathing, rustling papers, tapping, lawn mowers...
7. KIS – Keep it spartan, only as much as is needed no more
8. Watch for spelling or grammar mistakes on printed text!
9. 5-15 minutes is enough! Be enthusiastic and energized!
10. Music mystro – add a short fade in beginning and ending fade out

Production & Editing Tips

1. Planned mistakes... keep recording blank and then repeat it fully so you can find it and edit it out (I actually cough so it shows up as a spike)
2. Avoid lots of recorded pauses for flow and audio quality
3. Avoid lots of transitions
4. Edit out your mistakes...uh...uh...uh... later – zoom in on the tracks while listening and watching
5. Publish in a variety of formats for web, blog, iPad, iPod, flash, mp4
6. Publish at 10 fps and 11.025 mono audio to drop the filesize
7. Add a Creative Commons license

Post Production

- Get some target audience feedback
 - Create a Google Forms survey
 - Survey Monkey, Doodle...
- Revise and Re-Record as advised
 - It helps if you can edit your production

Distribution

- Share/Post the completed project
- Options
 - Blog, Websites (edublogs, Weebly) Free
 - iTunes (Michigan's Mi Learning on iTunesU) Free
 - Tubes (SchoolTube, TeacherTube, YouTube) Free
 - Social network site (Facebook, LinkedIn, Ning) Free
 - Course Management System (Moodle, Blackboard, Angel...)
 - Hosting site (Screencast.com 2 GB free; 25 GB \$99.95/yr)
 - DVD's (recommend Nero \$)
 - Screencast.com

Distribution Considerations

- Student and parent access
 - Format they can watch/download
 - Computer, Smartphone, iPad, MP3 device
 - Site may be blocked at school or home
 - Site may have ads you don't have control over
 - Accessibility issues (text and audio)
- Site permanence or the link may go away
- Accountability (student)
- Cost \$\$\$

Another view of “flipping your classroom”

Flipping increases student interaction
Flipping changes the conversation with parents
Flipping changes the teacher role
-[Bergmann and Sams](#)

Before and After

- Chapter/Unit notes in advance to mine information and fill in when watching
- Daily Quiz at the beginning of class
- Teacher becomes a learning coach

Time

Before Pre-Vodcasting	With Pre-Vodcasting	Time	
Warm-up Activity	5 min	Warm-up Activity	5 min
Go Over Previous Night's Homework	20 min	Q&A Time on Podcast with Chemical Demonstrations	10 min
Lecture New Content	30-45 min	Guided & Independent Practice and/or Lab Activity	75 min
Guided & Independent Practice or Lab Activity	20-35 min		

Resources

- “Vodcasting and the Flipped Classrooms”
<http://mast.unco.edu/programs/vodcasting/>
- Flipped Class Network <http://vodcasting.ning.com/>
- The flipped classroom <http://www.flippedclassroom.com/>
- The Flipped Class: What it is and What it is Not
<http://www.thedailyriff.com/articles/the-flipped-class-conversation-689.php>
- How the Flipped Classroom is Radically Transforming Learning - *Jonathan Bergmann and Aaron Sams* <http://www.thedailyriff.com/articles/how-the-flipped-classroom-is-radically-transforming-learning-536.php>
- Flipped Instruction and Screencasting: beyond math [video](#)