



Blended & Flipped Learning: Practical Applications

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Objectives

Objective 1: Achieve a common definition of *flipped* and an understanding of the driving rationale.

Objective 2: Demonstrate the role of video in the flipped model.

Objective 3: Explain how to keep it simple and do limited flipping.

Objective 4: Identify what flipped teachers do and what they must become.



Photo Credit: www.atecenters.org



A *Time* magazine article, commented:

“How to Bring Our Schools Out of the 20th Century”

"American schools aren't exactly frozen in time, but considering the pace of change in other areas of life, our public schools tend to feel like throwbacks. Kids spend much of the day as their great-grandparents once did: sitting in rows, listening to teachers lecture, scribbling notes by hand, reading from textbooks that are out of date by the time they are printed. A yawning chasm (with an emphasis on yawning) separates the world inside the schoolhouse from the world outside.” (Wallis & Steptoe, 2006)





The Flipped Classroom is NOT:

- About replacing teachers with videos
- An online course
- Students working without structure
- Students working in isolation
- Students spending the entire class staring at a computer screen



The Flipped Classroom IS:



Photo Credit: www.atecenters.org

- A means to **INCREASE** interaction and **personalized contact time** between students and teachers.
- A classroom where the teacher is not the "sage on the stage", but the "**guide on the side**".



The Flipped Classroom IS:

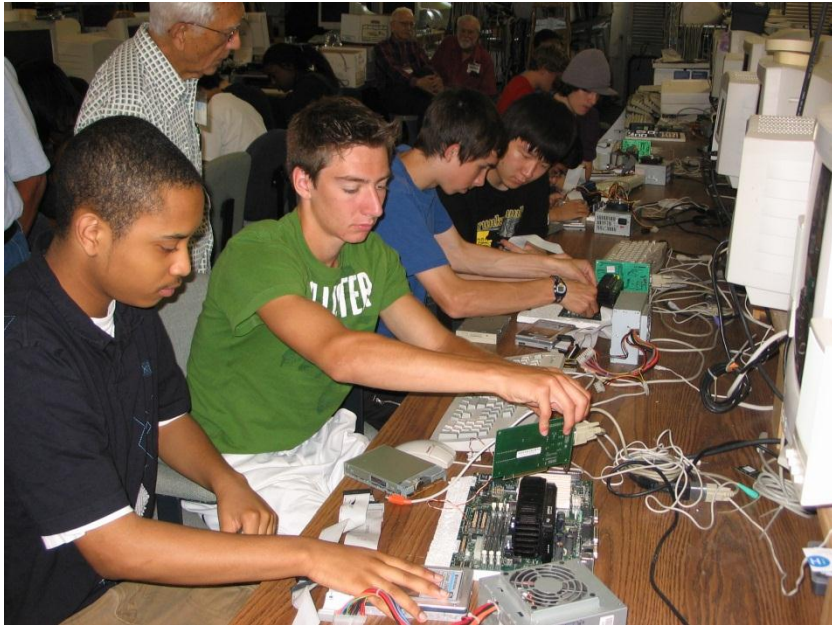


Photo Credit: www.atecenters.org

- A **blending** of direct instruction with constructivist learning.
- A class where content is permanently **archived** for review or remediation.



Audience Poll

How did you first hear about the flipped learning model?

- A. From some ivory tower bureaucrat.
- B. Read an article in a newspaper, magazine or online.
- C. Heard about it from a colleague.
- D. Today is my first time.



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A History of Screencasting



Screen



Video



Microphone



Computer Audio

Image courtesy of www.telestream.net



Video Creation

- Had to save videos in one format and compress and “clean” them into multiple formats
 - Mac needed QuickTime
 - PC needed window media (WMV)
- Where are you going to store them?
 - Had to carry a hard drive over to the building with the server.



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Video

<http://youtu.be/V65R8QyX0fs>



Video Creation Now

1. Use screencast software

- Jing (free), Screencast-O-Matic (free), SnagIt, iMovie, Camtasia



2. Press



3. Press



4. Post online and paste the URL to your LMS.



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Video Creation in the 20's

Imagine Video Creation





Ease into the Process

Be patient!

Experienced flipped teachers have spent *years* “flipping” their classrooms.

This is **Not** a **One** year process.



Online Assessment

- Most learning management systems such as BlackBoard and Moodle allow online assessments.
- Slowly build or borrow online assessment.
 - This allows you to get to know your students strengths and weaknesses before the big exam.
- Assessment built into videos is in the near future.



Train your students

- Make student expectations clear.
- Keep technology in the comfort zone of you and your students.



Photo Credit: www.atecenters.org



Train Your Students

- Don't use technology just for technology sake.
- Have confidence that you know what you are doing with the flipped classroom!



Limited Flipping

- Create short videos that are solutions to homework problems or review problems
 - Students can use these to catch-up or study for an exam
- Post exam solutions as videos
- Post lab instructions as videos



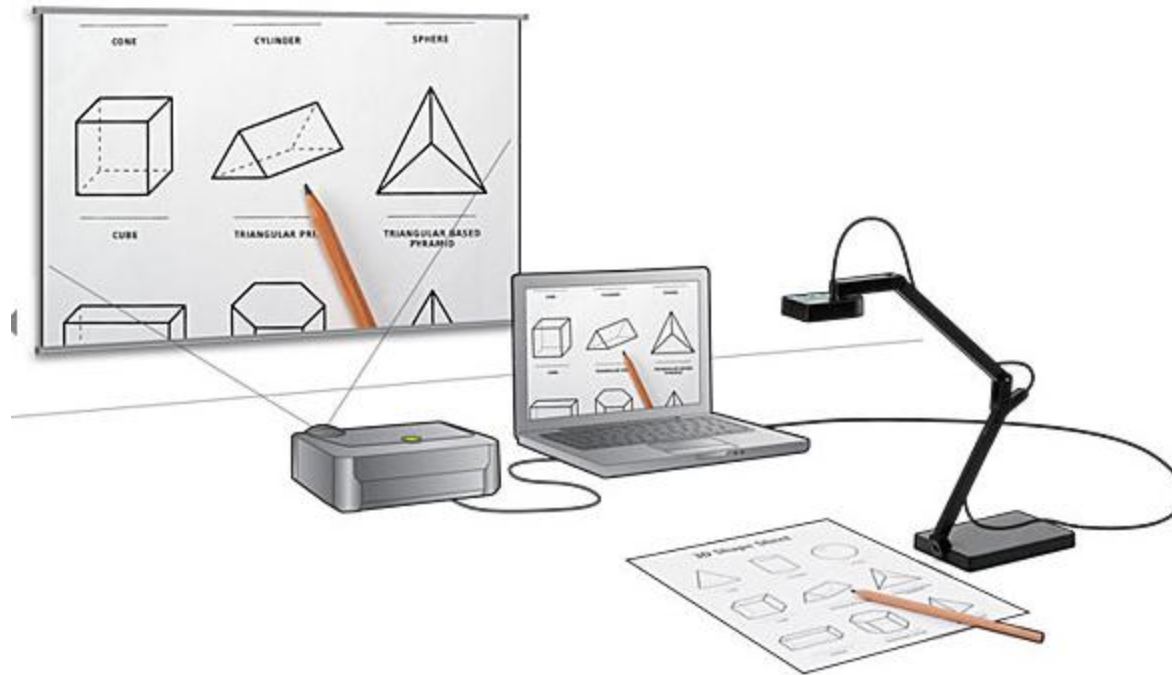
Limited Flipping

- Just have short videos for students who need remediation or missed class due to illness or travel
- Instead of the teacher doing the vodcasting at first, find resources that are already available online and make those available to students on your website
- TED-Ed, Search YouTube
- Embed short clips into your videos



Keep It Simple

- \$89 Ziggi camera from Ipevo





Keep It Simple

- < \$20 USB Microphone from Logitech





Screencasting Options



Screencast-o-Matic: free web-based



iMovie: built-in to Macs



Snag-it: \$50, video and images, automatic upload



Many screen capture apps for iPad



Camtasia: \$300, full editing suite



Touchscreens are rapidly coming down in price and up in usability

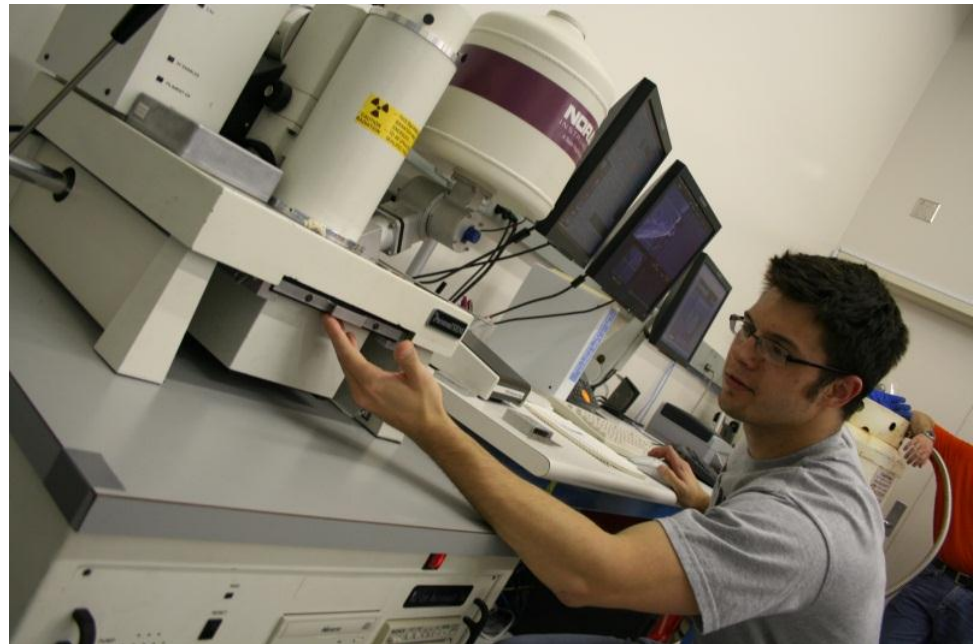


The Most Important Thing to Consider

Flipped teachers must be content experts!

By removing lecture,
you open up
class time...

How will you
use this?!





Audience Poll

How Will **You** Use the Added Class Time?

- A. More labs and hand-on activities
- B. Students will work in small groups on inquiry-based activities
- C. Students will do classroom presentations
- D. Field Trips!!
- E. All of the above



Review of Objectives

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Professional Learning Community

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Thank you for attending the
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**Blended & Flipped Learning:
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