

# The Flipped Classroom: Preparing for Learning in the 21<sup>st</sup> Century

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# Today's Pre-Service Teacher

- College students – average 6.9 gadgets
- Digital natives
- Changing roles

# Millennials

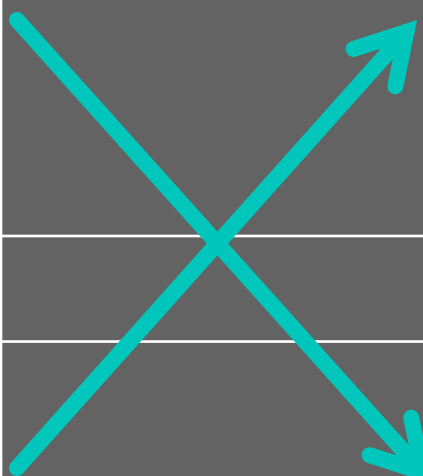
“Characteristics of Millennial students include 24/7 information connectedness, a preference for environments that support multitasking, and gravitation toward group activity and appreciation of the social aspects of learning. This generation is distinguished by their access to technological and collaborative experiences.”

McMahon and Pospisil, 2005

# A Flipped Classroom

A pedagogical model where the typical lecture and homework elements are reversed

# Flipped Model

|               | Traditional model   |   | Flipped model  |
|---------------|---|---|--|
| In Class      | Lectures<br>Teacher: Delivers information<br>Student: Passive recipient |  | Active Learning<br>Teacher: One-on-One, Mentor, Facilitator<br>Student: Active participant |
| Outside Class | Homework<br>Usually reading assignments, problems, papers               |   | Homework<br>Videotaped lectures, podcasts, readings, eResources                            |

# Why bother?

- Advance work
  - Allows students to work at their own pace, repeat as needed
- In class
  - Increased engagement
    - Collaboration, peer instruction
  - Time
    - Frees class time for deeper learning
  - Personal interaction
    - Quality time with students

# How do I start?

- Try flipping one lesson or one unit.
- Desktop tools to make videos:
  - Screencast-O-Matic
  - Camtasia
  - SMART Notebook
- iPad apps to make videos:
  - ShowMe Interactive Whiteboard
  - Educreations
  - Screen Chomp

# Where do I put the video?

- Moodle/Blackboard
- Sophia
- iTunes U
- Edmodo
- YouTube



# How do I know they watched?

## WSQ

**Watch:** Where did you watch?

**Summary:** What was the video about?

**Question:** What wasn't clear in the video?  
What is a question you think a classmate would have? Create a test question for the video.

# No access to technology or internet

- Flash Drive
- DVD
- Before or After School

# Helpful Resources

- Sophia.org
- Edudemic.com
- Edutopia.org
- Twitter Chats
  - **#flipclass**
  - **#edtechchat**

# Works cited

- McMahon and Pospisil, 2005. Laptops for a digital lifestyle: Millennial students and wireless mobile technologies. Ascilite Conference proceedings. Retrieved September 29, 2014 from [http://www.ascilite.org.au/conferences/brisbane05/blogs/proceedings/49\\_McMahon%20&%20Pospisil.pdf](http://www.ascilite.org.au/conferences/brisbane05/blogs/proceedings/49_McMahon%20&%20Pospisil.pdf)