Flipping the Classroom with iPad

Flipping the classroom means changing the mix of what is done inside the classroom and outside the classroom in order to maximize the support the instructor is able to provide for active learning strategies. It typically involves recording content that replaces at least some in-class lecture. It requires some means of holding students accountable for having viewed or listened to this content. It also means that the instructor will do different things in class, often interacting more with students one-on-one or in small groups.

**Case Studies (bolded words are apps you can find in the App Store)**

**Case Study #1**

Aaron’s math students fail to grasp certain concepts. He believes that more problem-solving activities done in class with instructor support will help, but he needs to move some of the time he spends lecturing and answering questions outside of class in order to make room for these activities in class. Aaron uses four iPad apps to flip his classroom during small moments of time, often away from his office. He records mini-lectures and Q&As with Explain Anything ($2.99), shares them with his students using Dropbox (free), takes questions via Twitter (free), and communicates the availability of new recordings with Twitter and Blackboard Mobile Learn (free). Since Aaron has reduced the time he spends lecturing and answering questions for the whole class, he now has more time in class to help individuals and small groups with assignments and other active learning exercises.

**Case Study #2**

Sam Matson teaches Geos 100. At various times he projects photos of different rock and land formations to analyze their composition and how they were formed. In order to “flip the classroom,” he uses Doceri ($50 for full desktop software; trial version and remote software are free) software to allow students with iPads to take control of the classroom computer and highlight, annotate, or otherwise mark the photo as they analyze it. Students lacking an iPad could use the professor’s iPad to take their own turns doing the same. A new version is being developed that may allow multiple students to mirror the projector display.

**Case Study #3**

Caile Spear teaches Kinesiology 140. She uses Echo360 Personal Capture to pre-record a lecture for her students that they need to view before class. Links to the lectures automatically post to Blackboard and also to iTunesU as video podcasts. Students post their comments about the video, so that the normal class time can be used by students to follow-up on the concepts in the video with their own plans.

Caile’s lecture capture can be viewed here:
http://atecho1.boisestate.edu:8080/ess/echo/presentation/b49bbd3c-1fa2-451f-b0f5-74f474768d8c/media.m4v
Echo360 Personal Capture can be acquired through Academic Technologies at a cost of $100 per academic semester, valid thru July 2. We are limited to 50 licenses per semester. Contact Ted Eisele for a license.

**Other Apps**

*For recording audio*
- SoundNote ($4.99)
- Garage Band ($4.99)
- Pocket Wavepad HD (free)

*For recording and editing video*
- Built-in Camera app
- iMovie ($4.99, for editing)

*For screen recording*
- ScreenChomp (free)
- ShowMe (free)
- Educreations (free)

*For creating eBooks*
- Creative Book Builder ($3.99)

*For reading eBooks*
- iBooks (free)
- Bluefire Reader (free)
- OverDrive (free)

*For accountability*
- eClicker Host ($9.99)
- Socrative Teacher Clicker (free)