How Moving Technology out of your College Classroom will Improve Student Learning

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Key Ideas

**Value** of Classroom Education = Faculty Interaction

**Technology** is a tool, not a strategy

Learning is about **change**

**New Digital Landscape:** Technology = three major changes:

1. **Relationship to knowledge:** Tech is great for content
   
   Digital Content for First Exposure: Google, YouTube, Khan, OpenYale, MITOpen, iTunesU, Merlot, utubersity, Wikipedia
   
   Podcasts: *Teach to the many, not to the middle.*

2. **Social Proximity**
   
   Create more class time
   
   Email as a teaching tool
   
   Virtual Office Hours (Skype, Google+Hangout, Spreecast, Join.me, ooVoo, Goober)
   
   Facebook Basics: Profile (friend); Page (like); Group (join)

**eCommunication Policy**

- The best way to contact me is: ____________ (email, FB, Google+, LinkedIn)
- I will respond to e-mail (or FB chat, messages etc.) within _____ hours,
  
  except on ___ or between ________ (9pm and 9am etc.)
- I am online (FB/Skype/Twitter) _____ on ____days and also available for _______
- If you want an individual (physical/Skype/chat) appointment _____ me
- I accept/do not accept Skype/Facebook/LinkedIn friend requests (until graduation).

3. **Customization and gaming**
   
   We need to make college more like a good video game.
   
   Merlot.org, SmashFact, SeriousGames, EducationArcade, iTunes

**Online Exams before Every Class:**

- Improve student preparation
- Create more class time
- Use your LMS – Easter, Faster and **Better** Multiple Choice Questions
- JiTT: Improve your preparation

- **Concrete and Personal** (matters to me, examples)
- **Knowledge is Necessary** (but not sufficient)
- **Retrieval and Self-Testing** (online exams, games)
- **Elaboration** (connections, analogies, writing)
- **Abstract** (extracting rules, larger context, mental models)
- **Failure** (add difficulty, attempts before solutions, feedback)
- **Interleaving** (varied practice, space out practice)

**Teaching Naked Cycle**

- Email to **prepare** (personal entry point)
- Content for **first exposure** (read/watch/do)
- Exam to **evaluate** (retrieval)
- Writing to **reflect** (elaborate, contextualize)
- Class to **challenge** (failure, complicate)
- Cognitive Wrappers to **self-regulate** (abstract)
- eCommunication to **reinforce** (connections, spacing)

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**New Technology Means**

- **Thinking** is more important
- **Course design** is more important
- **Integration** is more important
- **Mission:** How are you unique?

Tech is now a more diverse and accessible provider of content.

Class time is expensive.

College is about preparing the mind for the unknown.

Teach Naked. Change a Mind.

*Education is not the filling of a pail, but the lighting of a fire.*