Active Learning: Flipping the Classroom

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Seminar Goals

• Review evidence of active learning’s efficacy.

• Sample tried-and-true and new-to-you active learning strategies.

• Plan a “slow-flip” strategy for a course you are currently teaching.
Evidence

A

Number of Studies

Percent Change in Failure Rate with Active Learning

Increased Failure Decreased Failure

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Evidence

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Active Learning Strategies

• Which of these active learning strategies have you heard of?

http://tinyurl.com/activePDS
Active Learning Strategies

• Which of these active learning strategies have you heard of?

• Which of these have you attempted in your courses?

• On which of these would you like to focus today?

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Test:
1. When did the Pilgrims land at Plymouth Rock?

1620.

As you can see, I've memorized this utterly useless fact long enough to pass a test question. I now intend to forget it forever. You've taught me nothing except how to cynically manipulate the system. Congratulations.

They say the satisfaction of teaching makes up for the lousy pay.
• First-generation learners and active learning: http://www.lifescied.org/content/13/3/453.short

• Active learning in STEM: http://m.pnas.org/content/111/23/8410.abstract

• Attention reset: http://m.pss.sagepub.com/content/19/12/1207

