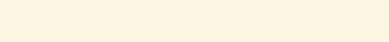
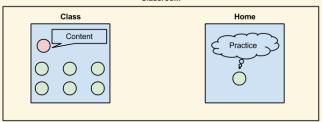
"I will not lecture you."

Vince @drvinceknight knightva@cardiff.ac.uk

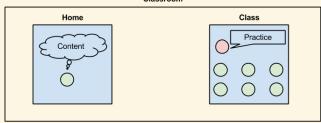


Active learning increases student performance in science, engineering, and mathematics Freeman et al. 2014 (PNAS)

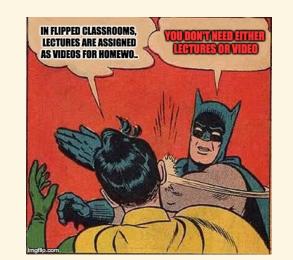
Classic Classroom



Flipped Classroom



Video



Initial contact.

FLIPPED LEARNING



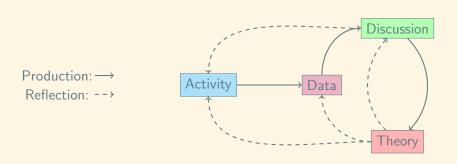


A Guide for Higher Education Faculty

ROBERT TALBERT

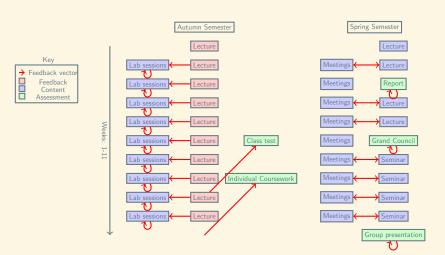
Foreword by JON BERGMANN

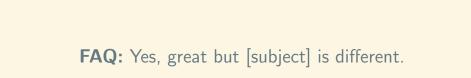
Example 1: Final year game theory class



Playing Games: A Case Study in Active Learning Applied to Game Theory Knight. 2015 (MSOR Connections)

Example 2: First year programming class





FAQ: If I record my class will students no longer

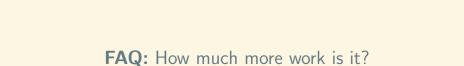
attend?

FAQ: If students don't [do some activity] before

class what should I do?

FAQ: I have seen [a good talk] on flipped learning, isn't that ironic?

FAQ: I tried the flipped classroom and students don't like it.







(Dr Stephen Rutherford. BIOSCI.)

Vince: @drvinceknight knightva@cardiff.ac.uk	
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