A Full Flip: Reorganizing a Large Psychology "Lecture" around Team-Based Exercises Andrea Follmer Greenhoot, Department of Psychology/Center for Teaching Excellence Marsha McCartney, Department of Psychology

Background

PSYC 333: Child Development

- Upper division for majors and non-majors
- 250 and 450 students
- Taught in tiered lecture hall

Key Course Goals:

- 1. Develop evidence-based arguments about 5 principles of developmental science (DS) (e.g., Nature and nurture interact)
- 2. Critically evaluate theories and research in DS
- 3. Apply knowledge of DS to solve real-world problems
- 4. Effectively communicate principles/applications in writing

My Previous Offerings (2010 and 2011):- Incorporated pre-class reading quizzes/blog posts and regular cooperative learning exercises.

Limitations to Address in Redesign:

- Students did not always take the exercises seriously
- Most exercises did not promote the type deep thinking and problem solving I was looking for
- The course was still an "information dump"students struggled to identify the most critical issues and information

Spring 2016 Modifications: A Full Flip

- Shifted almost all "information delivery" to out of class time
- Just-in-time analyses of student understanding on pre-class assignments to inform in-class plans
- Fixed learning teams for in-class work
- **Class time organized around active learning** exercises
- New repeated "case study" assignment completed each unit



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Josen Kanp * The A L STREAM AND *
John Griffin Inte Active Child : .
Definition: children play a large role in
their own development Their behavior.
responses trans the statisticit certain
In turn further influences their development
Example: How a Difficult Child affects their
* Development * *
Child has difficult topperatures the with the infant Child is prove to act at a base
Parents often punish the child
Bad peer influênce leads to delinguercy in additionce in additionality with parents a adult
* The child's original difficult temperament led to overall poor social development
The active child is relevant in all aspeds of child development



Student Performance (so far)

Overall the Case Studies were strong (based on random subsample of students, n=20; more will be analyzed after end of semester)

Weakest areas were Analysis and Use of

Empirical Support.

Both dimensions have improved across the first



Case Study Performance: Unit 3



Teams and Student Performance

Most students highly satisfied with their teams, even if they disliked group work

- **Strongest predictor of Team Contribution rating was** HW score (*r*s> .36, *p*s<.0001):
 - Students who were more prepared were more valuable to their teams.
- Measures of Team Functioning* predicted larger average improvements in test scores over time, *r*s≥.27, *p*s≤.05.
 - Being in a higher functioning team may have produced greater student learning gains
- *Satisfaction, interdependence, psychological safety, average team contribution rating

Reflections and Future Directions

- The team assignments and formative peer reviews appeared to be effective- I will keep this strategy (and use of catme tool) in the future.
 - Students were quite strong at application, but some could use more support on analysis and the use of empirical research.
- This summer we will analyze performance on test questions aligned with different ELAs, to identify content areas where the ELAs were most effective.
- I may drop unit exams altogether, and make the case study assignment broader and more challenging