TEAM-BASED LEARNING- FRIENDSHIP, SATISFACTION, AND STUDENT RETENTION

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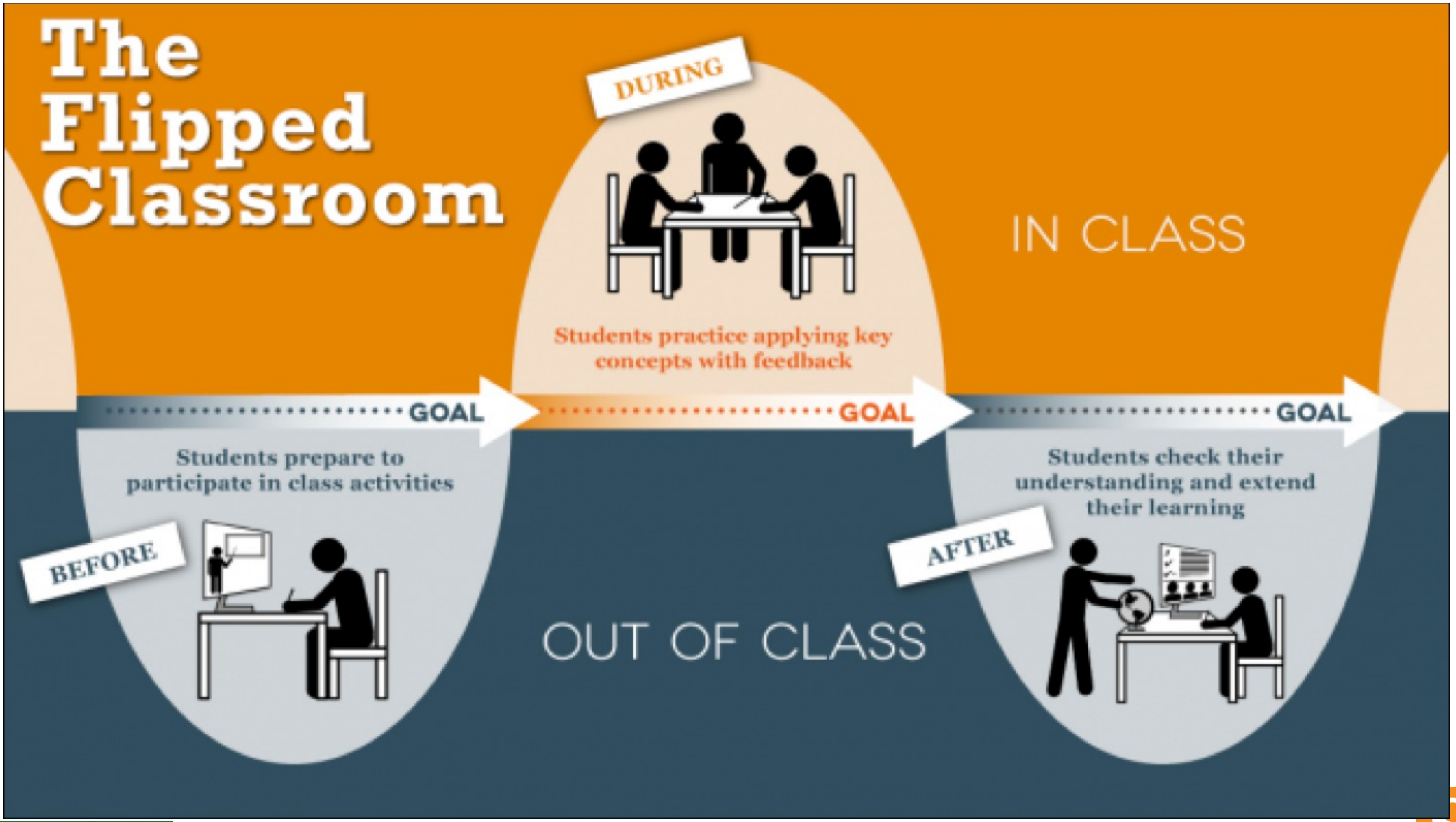

Source: John Gunyou

TEAM-BASED LEARNING™
COLLABORATIVE

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WHAT IS TEAM-BASED LEARNING (TBL)?

It is more than just a "flipped" classroom, collaborative or cooperative learning

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TBL (MICHAELSEN, KNIGHT & FINK, 2004)

"Team-based learning" is a particular instructional strategy designed to:

a) support the development of high performance learning teams and

b) provide opportunities for these teams to engage in significant learning tasks.

READINESS ASSURANCE PROCESS

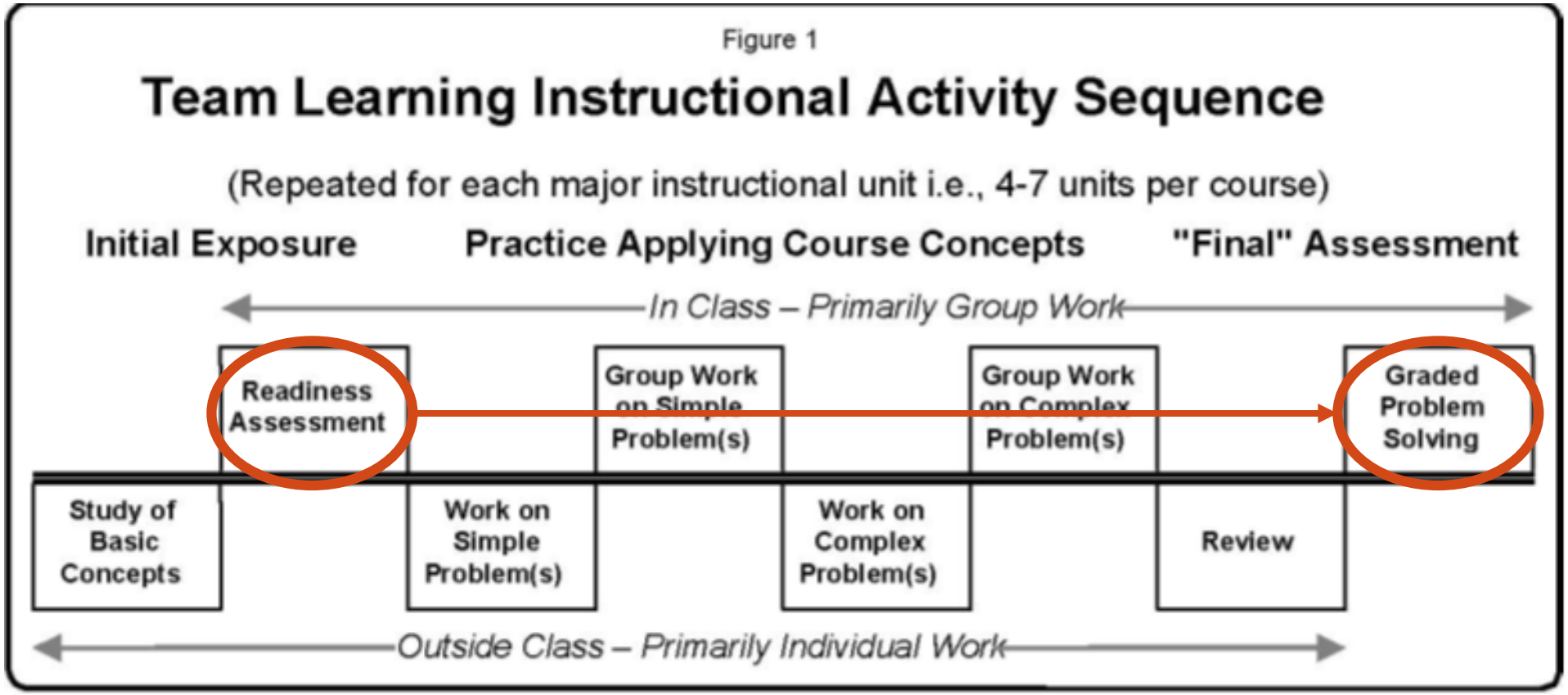

Figure 1. Team-Based Learning and the readiness assurance process. Source: Dr. Larry Michaelsen

LITERATURE REVIEW

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- Jarjoura, C., P. A. Tayeh, and N. K. Zgheib. 2015. "Using Team-Based Learning to Teach Grade 7 Biology: Student Satisfaction and Improved Performance." Journal of Biological Education, 49(4):401-419.
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LITERATURE REVIEW

- Mennenga, Heidi A. 2012. Development and psychometric testing of the team-based learning student assessment instrument. Nurse Educ., 37:168–172.
- Whitten, Bethany D., L.A. Wolfskill, Kyle W. Ferrell, Shyam S. Nair and Foy D. Mills, Jr. 2015. Preliminary Measurement of Student Receptivity to Team-Based Learning in an Undergraduate Agricultural Business Program. Poster presentation at the 14th Annual TBLC Conference, St. Petersburg, Florida, Mar 5-7.

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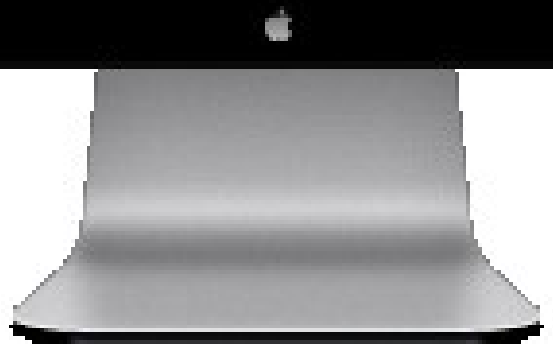
SO, WHAT IS HAPPENING IN THESE TEAMS?

Wagner, Rodd and James K. Harter. 2006. 12-The Elements of Great Managing. New York: Gallup Press.

Methods & Procedures

- TBL-SAI© administered in AGBU 2317- Principles of Ag Economics, course taught using TBL
- Multiple linear regression
  - Set of demographic questions- explanatory variables
  - One question from TBL-SAI© - *overall satisfaction with TBL* (n=232)- dependent variable
- Paired t-tests- friendship and retention



RESULTS

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GPA & OVERALL SATISFACTION WITH TBL

< 2.0

2.0-2.49

p<0.01

2.5-2.99

3.0-3.49

3.5-4.0

p<0.10

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A (p<0.001)

B (p<0.05)

C

D (non-sig)

COURSE GRADE EXPECTATION & OVERALL SATISFACTION WITH TBL

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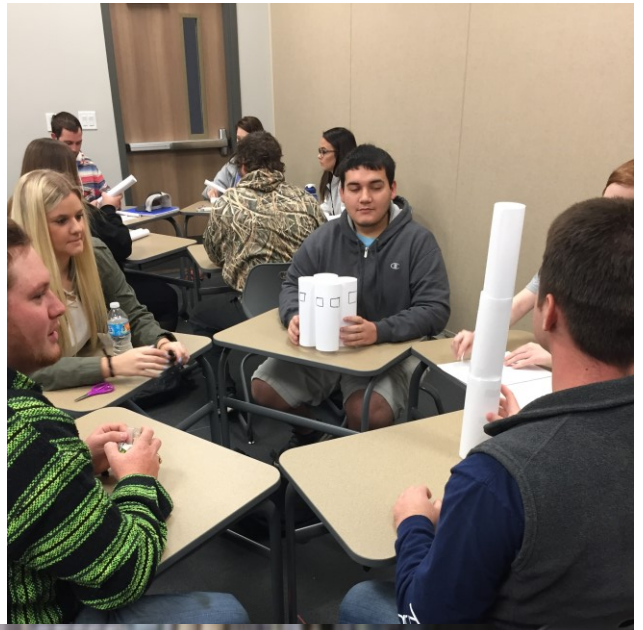
PREVIOUS GROUP WORK & OVERALL SATISFACTION WITH TBL

p<0.001

NO FRIEND...FRIEND ON TEAM & OVERALL SATISFACTION WITH TBL



👍

p<0.001

http://www.huffingtonpost.ca/2016/09/09/lonely-university-students_n_11932012.html

👎

http://www.samaritans.org/students

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NO FRIEND...FRIEND ON TEAM & STUDENT RETENTION

👍

p<0.001

http://www.huffingtonpost.ca/2016/09/09/lonely-university-students_n_11932012.html

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http://www.samaritans.org/students

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IMPLICATIONS

- Entering GPA and TBL satisfaction- perception of whether being part of a team helps or hurts
- Yet, TBL satisfaction is significantly higher when students expect a higher course grade
- Students with previous group experience are more satisfied with TBL
- Making a friend on the team- TBL satisfaction and student retention significantly greater

SUMMARY

- Flipping the classroom
- TBL and RAP
- Personal characteristics and TBL satisfaction
- Making a friend on a team significantly impacts TBL satisfaction and student retention

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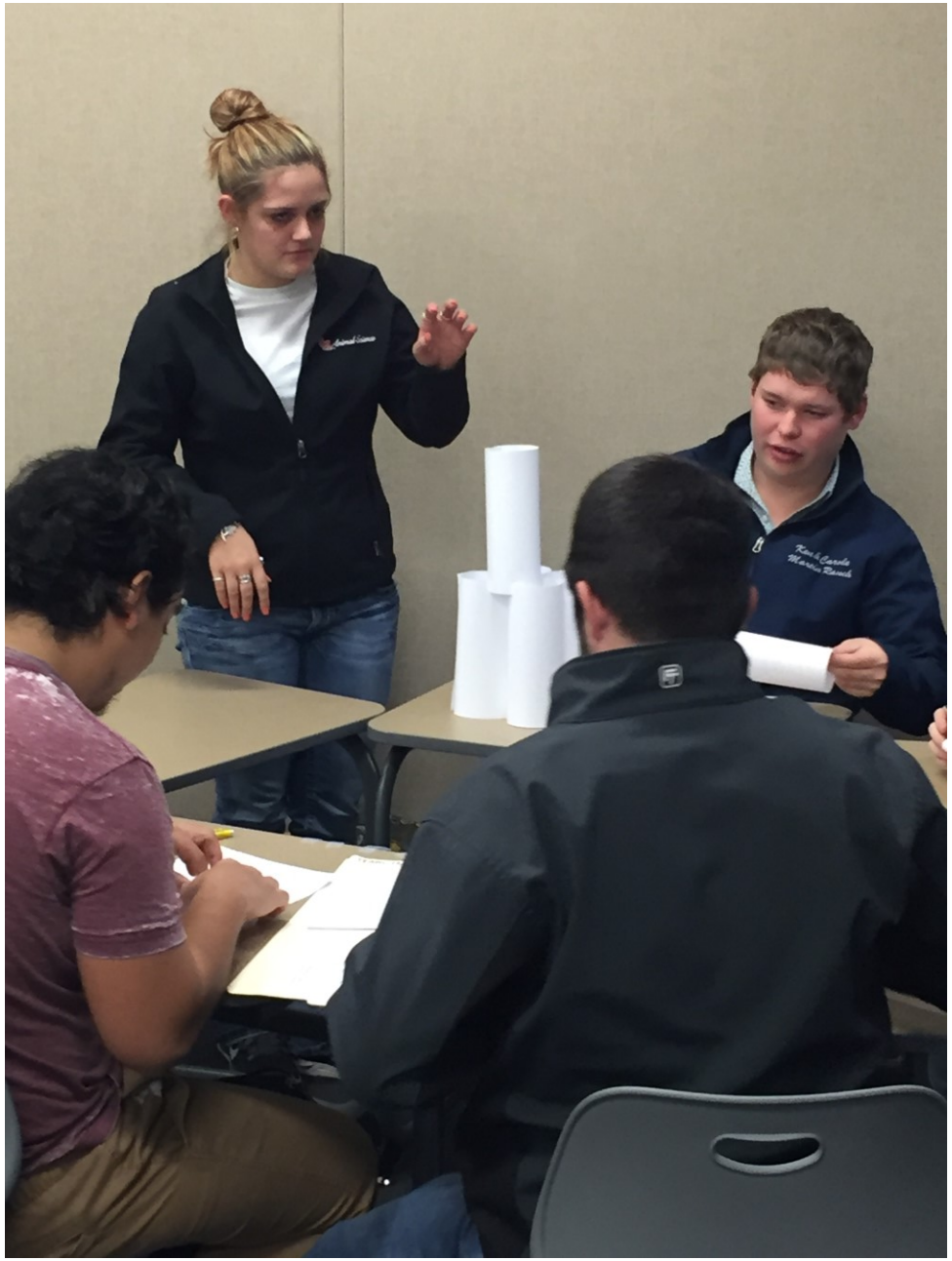

THANK YOU

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