

22ND ANNUAL INTERNATIONAL CONFERENCE ON EDUCATION

## Incorporating high-impact pratices into higher education

Dr. Jay Woodward

Texas A&M University

## Presentation Outline

#### TOPICS & THEMES

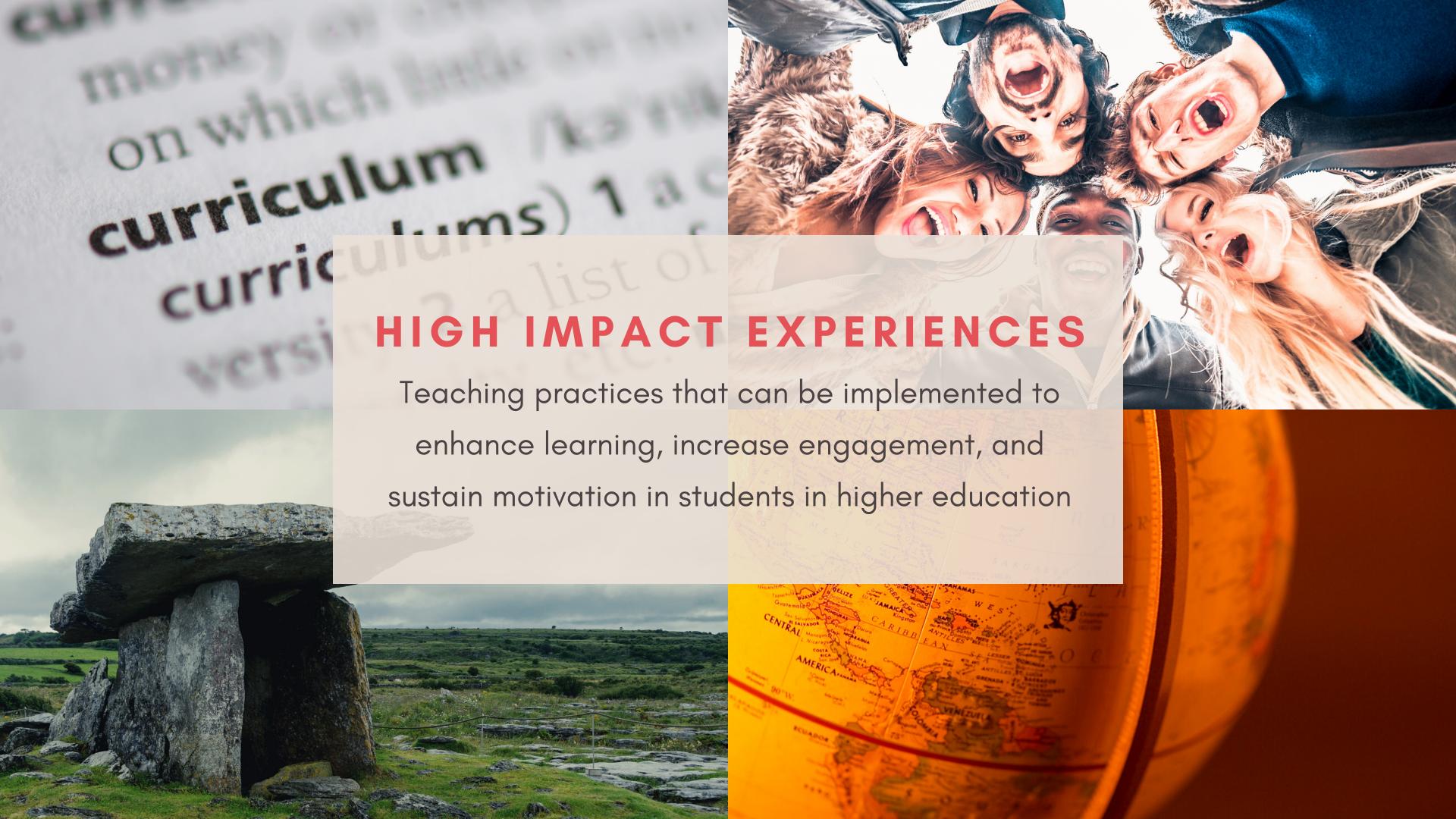
- Introduction to Kuh (2008) High
   Impact Practices
- Application to Higher Education
  - Common Intellectual Experiences
  - Collaborative Assignments
  - Capstone Projects
  - Global Learning



What one thing can we do to enhance student engagement and increase student success?

Make it possible for every student to participate in (at least) two high impact activities during his or her undergraduate program

GEORGE KUH (2008)



#### PRACTICES IN PERSPECTIVE:

## COMMON INTELLECTUAL EXPERIENCES

- "CORE" CURRICULUM
- CO-CURRICULAR OPPORTUNITIES

## ASSIGNMENTS

COLLABORATIVE

- PROBLEM SOLVING
- APPROPRIATION OF KNOWLEDGE

#### CAPSTONE PROJECTS

- PROJECT BASED LEARNING (PBL)
- AUTHENTIC ASSESSMENT

#### GLOBAL LEARNING

- IMMERSION
- CAPACITY FOR GROWTH

# 

60%

OF COLLEGE STUDENTS BELIEVE
THAT THEY ARE WELL PREPARED IN
THE SKILLS NECESSARY TO
SUCCEED IN THE WORKFORCE
UPON GRADUATION

Tang (2019)

25%

OF EMPLOYERS RATE COLLEGE
GRADUATES AS SUFFICIENT IN
SKILLS NECESSARY TO SUCCEED IN
THEIR PROFESSION UPON
GRADUATION

# 

93%

EMPLOYERS STATE THAT "A
CANDIDATE'S DEMONSTRATED
CAPACITY TO THINK CRITICALLY,
COMMUNICATE CLEARLY, AND
SOLVE COMPLEX PROBLEMS IS
MORE IMPORTANT THAN THEIR
UNDERGRADUATE MAJOR"

77%

WANT COLLEGES TO PLACE MORE EMPHASIS ON HELPING STUDENTS DEVELOP FIVE KEY LEARNING OUTCOMES: CRITICAL THINKING, COMPLEX PROBLEM SOLVING, WRITTEN AND ORAL COMMUNICATION, AND APPLICATION OF KNOWLEDGE IN REAL-WORLD SETTINGS

Hart (2013)



# Common Intellectual Experiences

#### ALIGNING DEGREE PLANS WITH HIGH IMPACT PRACTICES

- STUDENT-FOCUSED
- SKILL-BUILDING
- TRANSFERABLE

### MAJOR FIELD OF STUDY: CHILD PROFESSIONAL SERVICES

Flexible program that allows students to customize a degree plan that aligns with their professional interests.

- CONCENTRATED COURSEWORK
- CORE CURRICULUM
  - Written, Visual, Verbal Communication
  - Empirical & Quantitative Skills
  - Social Responsibility
  - Critical Thinking
- DUAL MINORS
  - Creative Studies
  - Health
  - Human Resource Development
  - Youth Development
- ELECTIVES
- FIELD EXPERIENCES / INTERNSHIPS

### MINOR FIELD OF STUDY: CREATIVE STUDIES

Specialized course of study that prepares students to integrate creativity into their professional and personal life

- CONCENTRATED COURSEWORK
- APPLIED CREATIVITY CLASSES
  - Creative Problem Solving
  - Lateral Thinking
  - Personal Creativity & Giftedness
- EXPERIENTIAL LEARNING
  - Field Practicums
  - Study Abroad



#### Concentration in Child Professional Services (B.S.)

Bachelor's of Science (B.S.) in University Studies with a concentration in Child Professional...

Educational Psychology / Sarah Sweatt



#### Creative Studies Minor

The department of Educational Psychology within the College of Education & Human Development offers a Creative Studies...

Educational Psychology / Sarah Sweatt

"For many students, the traditional didactic lecture, when applied as the primary instructional method, fails to provide opportunities for integrating knowledge. Lectures may lead to memorization of factual information but often do not succeed well in eliciting comprehension of complex concepts'

HERRINGTON, REEVES, & OLIVER (2005)

## "CONSTRUCTING" Collaborative Assignments

STUDENTS SHOULD ...

SOLVE
COMPLEX
PROBLEMS
THAT ARE
AUTHENTIC
AND
REALISTIC
IN NATURE

WORK
TOGETHER
TO SOLVE
THE
PROBLEM
OR
ACHIEVE
THE GOAL

CONSIDER
MULTIPLE
VIEWPOINTS
WHEN
EXAMINING
THE
PROBLEM

BE ACTIVE
AND TAKE
OWNERSHIP
OF THE
LEARNING
PROCESS

BE AWARE
OF THEIR
INDIVIDUAL
ROLE IN
THE
LEARNING
PROCESS

PARALYSIS BY ANALYSIS DIFFUSION OF RESPONSIBILITY

## EFFECTIVE COLLABORATIVE ASSIGNMENTS ALLOW FOR ...







INTER-DEPENDENCE INDIVIDUAL ACCOUNTABILITY INTERACTION

DE HEI, et. al. (2005)

#### EXAMPLES OF COLLABORATIVE ASSIGNMENTS







EDUCATIONAL PSYCHOLOGY
SURVEY DESIGN PROJECT

ADOLESCENT DEVELOPMENT MY VIRTUAL TEEN

CREATIVITY
THEORIES &
RESEARCH

CREATIVITY IN ACTION

"A traditional research project prepares the minority of very able students for further academic study.

However, for the majority of students of all abilities seeking employment outside higher education, it may not instill the core personal and transferable skills required by many employers"

HILL, KNEALE, NICHOLSON, WADDINGTON, & RAY (2011)



## Optimizing Learning in Project-Based Capstone Courses

INSTRUCTORS SHOULD ...

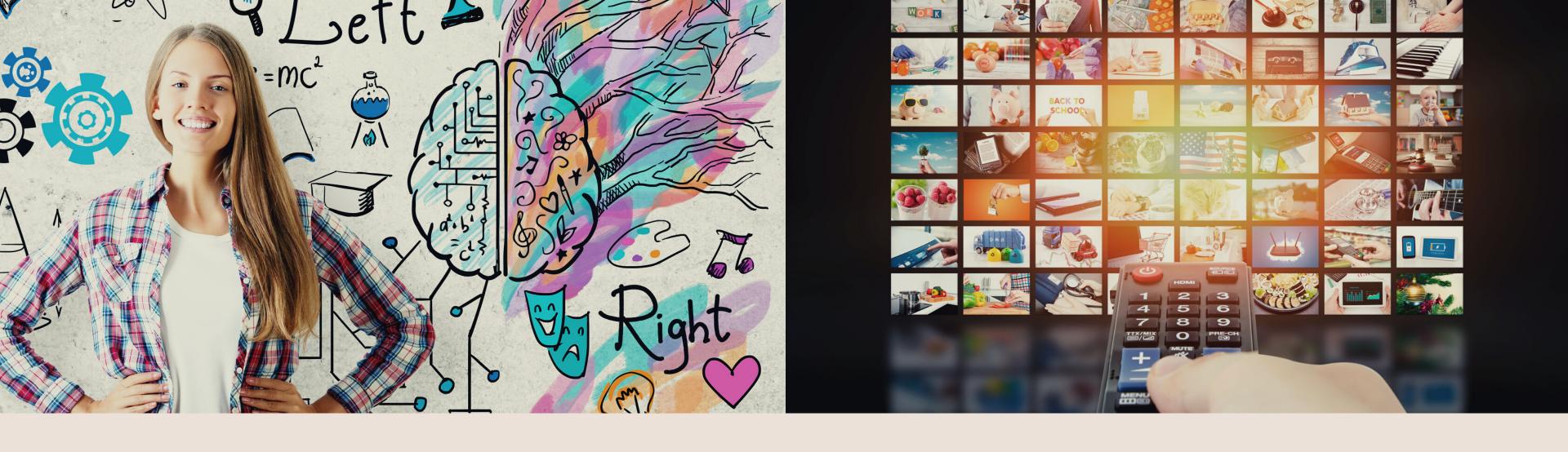
FOCUS
LEARNING
ON
PROBLEMS
GROUNDED
IN REALWORLD
CONTEXTS

CHALLENGE
STUDENTS
TO SELECT
AND APPLY
RELEVANT
THEORIES &
DISCIPLINE
BASED
KNOWLEDGE

ALLOW STUDENTS TO INTEGRATE KNOWLEDGE & MULTIPLE THEORIES / VIEWPOINTS

PROMOTE
INDIVIDUAL
GROWTH
THROUGH
THE
LEARNING
EXPERIENCE

CULTIVATE
LEADERSHIP
AND TEAM
PROCESS
SKILLS



#### "CREATE A CREATIVITY TEST"

Culminating project of the creativity minor that calls for students to select, integrate, and apply theories of creativity that they have learned about during the semester to design a fully-functioning and completely unique creativity test that purports to measure and quantify variables pertaining to their conceptualization of the construct of creativity

#### "TEENS ON T.V."

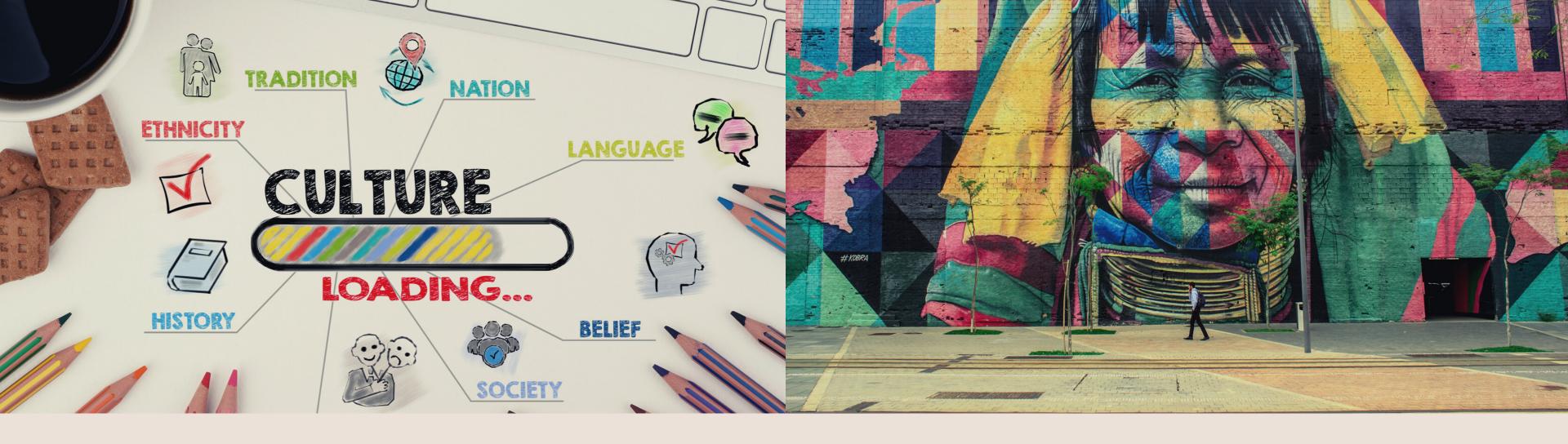
Calls for students to integrate and apply theories of adolescent development and functioning to explain and characterize the biological, cognitive, and social growth of teenage characters in the context of which it occurs on a recurring scripted / streaming television program with special attention paid to current research depicting teenage trends of the time.



## Global Learning

#### PUTTING IT INTO PERSPECTIVE

- Definition
  - Kahn and Agnew (2017)
- VanBalkom (2010)
  - Anatomy of a Perspective



## INTERNATIONAL & CULTURAL DIVERSITY (ICD) REQUIREMENT

Prepares graduates to live and work effectively in a diverse society and articulate the value of a global perspective

#### CULTURAL DISCOURSE (CD) REQUIREMENT

Prepares graduates to be leaders in an increasingly diverse world, hold respectful discussions on difficult topics, understand conflict from multiple viewpoints, and recognize implicit aspects of personal and societal interactions related to power structures and tolerance



"Study abroad, in itself is not the most powerful engine for nurturing a global citizenry.

Rather, it is the combination of location and academic focus that appears to yield the greatest increases in global citizenship" (pg. 153)

TARRANT, RUBIN, STONER (2014)

## Ideal Characteristics of Study Abroad Experiences

PROGRAMS SHOULD:

CONNECT TO
EXISTING
COURSES AND
ALIGN WITH
LEARNING
OBJECTIVES

FEATURE
CULTURAL
ENGAGEMENT
ACTIVITIES IN
UNFAMILIAR
ENVIRONMENTS

LEAD TO A
(POTENTIAL)
CHANGE IN
PERSPECTIVE
OR FRAME OF
REFERENCE

PURPOSEFUL
SELECTION /
RECRUITMENT
OF STUDENTS
TO MAXIMIZE
EXPERIENCE

DESIGN
RESEARCH
THAT
EVALUATES
STUDENT
OUTCOMES

EXPERIENTIAL LEARNING

TRANSFORMATIONAL LEARNING SCHOLARSHIP OF TEACHING AND LEARNING

STRANGE & GIBSON (2017)
BAIN & YAKLIN (2019)

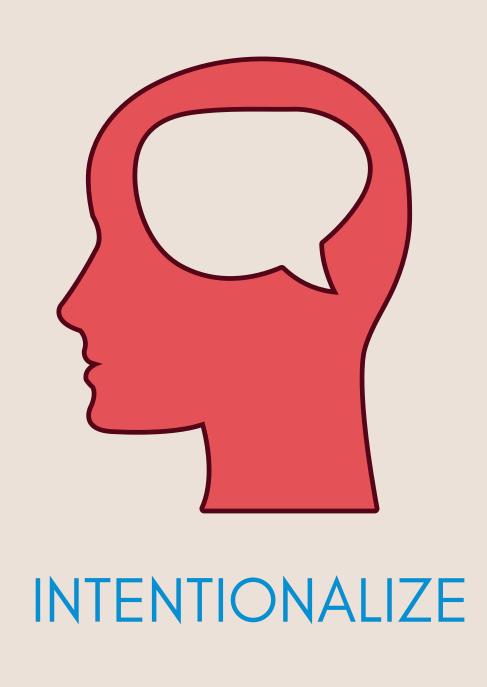
### GLOBAL PERSPECTIVES INVENTORY

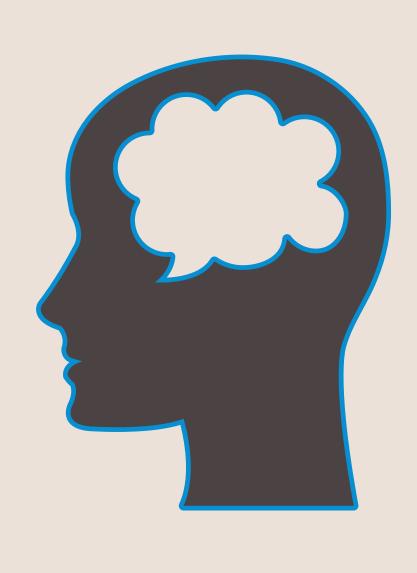
TRANSFORMATIONAL LEARNING ACROSS SIX DIMENSIONS

- COGNITIVE KNOWING
- COGNITIVE UNDERSTANDING
- INTRAPERSONAL AFFECT
- INTRAPERSONAL IDENTITY
- INTERPERSONAL SOCIAL RESPONSIBILITY
- INTERPERSONAL SOCIAL INTERACTION

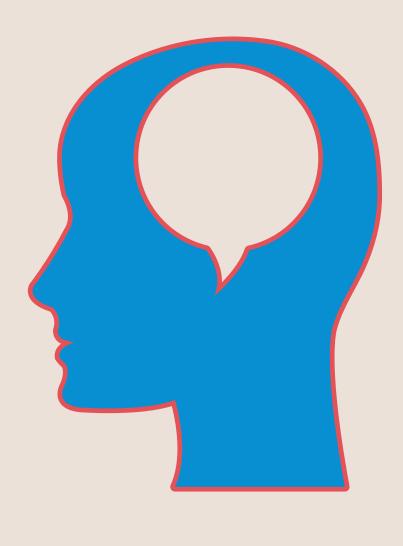


## In conclusion, to infuse high impact practices into higher education

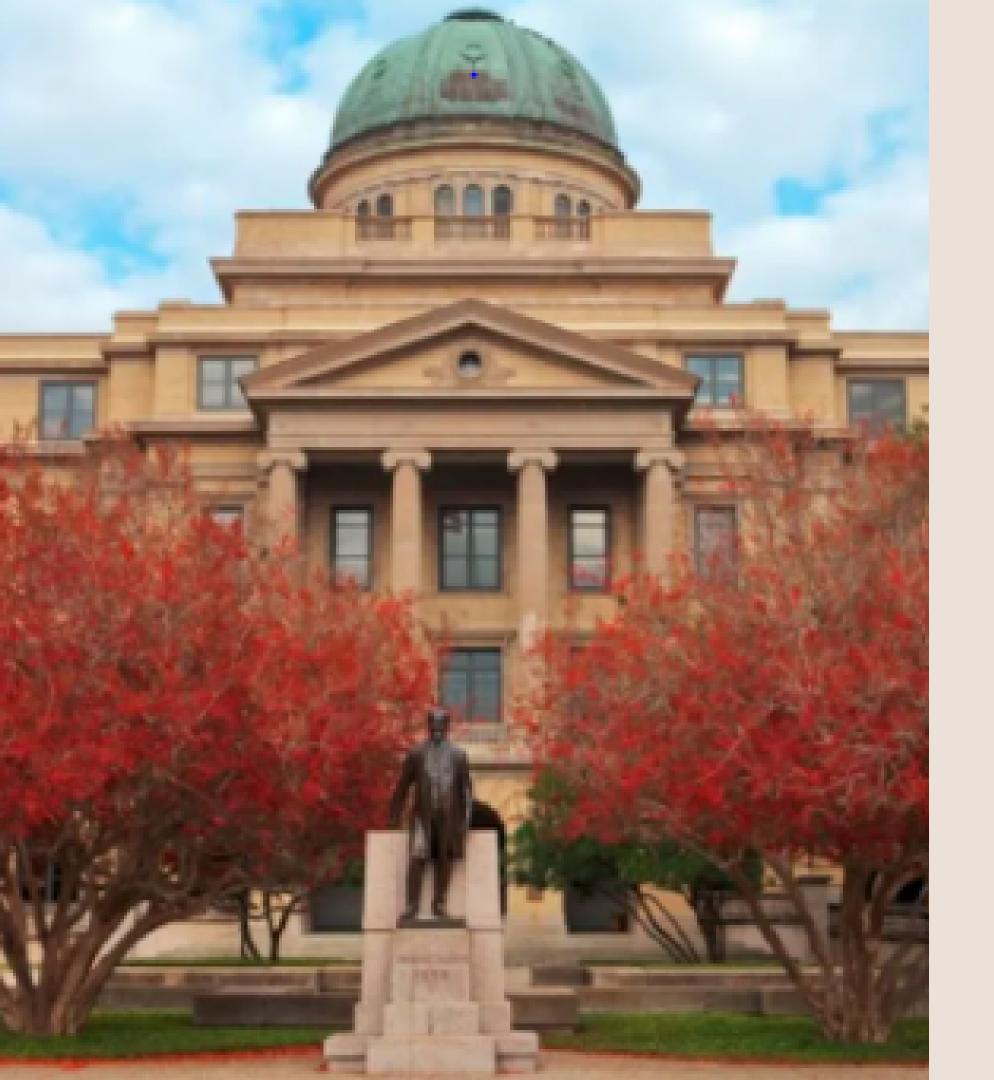




INTEGRATE



**IMPART** 



## **Contact Information**

#### MAILING ADDRESS

Dept. of Educational Psychology 704 Harrington Tower College Station, TX 77843-4225

#### EMAIL ADDRESS

drjayetamu.edu drjaytamu97egmail.com

#### PHONE NUMBER

(979) 845-1802

## REFERENCES

BAIN, S. F., & YAKLIN, L. E. (2019). STUDY ABROAD: STRIVING FOR TRANSFORMATIVE IMPACT. RESEARCH IN HIGHER EDUCATION JOURNAL, 36.

CHEN, C. H., & YANG, Y. C. (2019). REVISITING THE EFFECTS OF PROJECT-BASED LEARNING ON STUDENTS' ACADEMIC ACHIEVEMENT: A META-ANALYSIS INVESTIGATING MODERATORS. EDUCATIONAL RESEARCH REVIEW, 26, 71-81.

DE HEI, M. S. A., STRIJBOS, J. W., SJOER, E., & ADMIRAAL, W. (2015). COLLABORATIVE LEARNING IN HIGHER EDUCATION: LECTURERS' PRACTICES AND BELIEFS. RESEARCH PAPERS IN EDUCATION, 30(2), 232-247.

DRISCOLL, M. P. (2000). PSYCHOLOGY OF LEARNING. BOSTON, ALLYN AND BACON.

GOODSELL, A. S. (1992). COLLABORATIVE LEARNING: A SOURCEBOOK FOR HIGHER EDUCATION.

HART RESEARCH ASSOCIATES. (2013). IT TAKES MORE THAN A MAJOR: EMPLOYER PRIORITIES FOR COLLEGE LEARNING AND STUDENT SUCCESS. LIBERAL EDUCATION, 99(2).

HEALEY, M. (2014). INTEGRATING UNDERGRADUATE RESEARCH INTO THE CURRICULUM: INTERNATIONAL PERSPECTIVES ON CAPSTONE AND FINAL-YEAR PROJECTS. COUNCIL ON UNDERGRADUATE RESEARCH QUARTERLY, 34(4), 26-33.

HERRINGTON, J., REEVES, T. C., & OLIVER, R. (2005). ONLINE LEARNING AS INFORMATION DELIVERY: DIGITAL MYOPIA. JOURNAL OF INTERACTIVE LEARNING RESEARCH, 16(4), 353-367.

HILL, J., KNEALE, P., NICHOLSON, D., WADDINGTON, S., & RAY, W. (2011). RE-FRAMING THE GEOGRAPHY DISSERTATION: A CONSIDERATION OF ALTERNATIVE, INNOVATIVE AND CREATIVE APPROACHES. JOURNAL OF GEOGRAPHY IN HIGHER EDUCATION, 35(3), 331-349.

INSTITUTE OF INTERNATIONAL EDUCATION. (2019). "HOST REGIONS AND DESTINATIONS OF U.S. STUDY ABROAD STUDENTS, 2014/15 - 2017/18." OPEN DOORS REPORT ON INTERNATIONAL EDUCATION EXCHANGE. RETRIEVED FROM HTTP://WWW.IIE.ORG/OPENDOORS.

JOHNSON DAVID, W., JOHNSON ROGER, T., & HOLUBEC EDYTHE, J. (1990). CIRCLES OF LEARNING: COOPERATION IN THE CLASSROOM.

KAHN, H. E., & AGNEW, M. (2017). GLOBAL LEARNING THROUGH DIFFERENCE: CONSIDERATIONS FOR TEACHING, LEARNING, AND THE INTERNATIONALIZATION OF HIGHER EDUCATION. JOURNAL OF STUDIES IN INTERNATIONAL EDUCATION, 21(1), 52-64.

KALI, Y., LEVIN-PELED, R., & DORI, Y. J. (2009). THE ROLE OF DESIGN-PRINCIPLES IN DESIGNING COURSES THAT PROMOTE COLLABORATIVE LEARNING IN HIGHER-EDUCATION. COMPUTERS IN HUMAN BEHAVIOR, 25(5), 1067-1078.

SCHWERING, R. E. (2015). OPTIMIZING LEARNING IN PROJECT-BASED CAPSTONE COURSES. ACADEMY OF EDUCATIONAL LEADERSHIP JOURNAL, 19(1), 90.

STRANGE, H., & GIBSON, H. J. (2017). AN INVESTIGATION OF EXPERIENTIAL AND TRANSFORMATIVE LEARNING IN STUDY ABROAD PROGRAMS. FRONTIERS: THE INTERDISCIPLINARY JOURNAL OF STUDY ABROAD, 29(1), 85-100.

TANG, K. N. (2019). BEYOND EMPLOYABILITY: EMBEDDING SOFT SKILLS IN HIGHER EDUCATION. TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY-TOJET, 18(2), 1-9.

TARRANT, M. A., RUBIN, D. L., & STONER, L. (2014). THE ADDED VALUE OF STUDY ABROAD: FOSTERING A GLOBAL CITIZENRY. JOURNAL OF STUDIES IN INTERNATIONAL EDUCATION, 18(2), 141-161.

VANBALKOM, W. D. (2010). EDUCATIONAL TRANSFORMATION WITH A NEW GLOBAL URGENCY. PERSPECTIVES ON EDUCATION: VOICES OF EMINENT CANADIANS, 3, 147-155