

# Elizabeth E. Deurmeyer, Ph.D

Program Manager for Instructional Ideas

School of Innovation

Post-Doctoral Researcher

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## EDUCATION

Doctor of Philosophy (2016)	Texas A&M University, College Station, Tx Major: Curriculum and Instruction Track: Urban Education
M.Ed (2009)	Texas A&M-Central Texas, Killeen Tx Major: Counseling Track: Counseling
B.S. (2006)	Texas A&M University, College Station Tx Major: Interdisciplinary Studies Track: Elementary Education

## FUNDED RESEARCH SUPPORT

**2017** TAMU TLAC Renew, Rebuild and Reinvest: *Teacher Engagement and Maker (TEAM)*.

Role: Senior Research Personnel (PI: Patricia Larke). Amount: \$32,3000

**2015** College of Education and Human Resource Development Climate and Diversity Efforts Grant (2015)- [Internal-\$4,000] Role: PI

**2012 DREAM-IT:** Distance Resources for Engagement and Access to Multiculturalism Through Innovative Technologies. TAMU's Competitive Proposals to Develop Core Curriculum Courses Enhanced with Technology for FY2012 Valerie Hill-Jackson, PI, Jeffrey Liew and Sunni Sonnenberg, Role: Co-PIs; Curriculum Support [**INTERNAL - \$74,804.00**]

## PEER REVIEWED PUBLICATIONS

Schlegel, R., Chu, S., Chen, K., **Deurmeyer, E.**, Christy, A., Quek, F. (2018, in press) Making in the classroom: Longitudinal evidence of increases in self-efficacy and STEM possible selves over time. *Journal of Computers and Education*

**Deurmeyer, E.** (2018). Hey! There's donuts in the teachers' lounge: How my weight loss journey made me a healthier, and better, teacher. In V.H. Jackson (Ed.): *Teacher Confidential: 7 Personal Stories from PreK-16 Teachers with Implications for Educational Practitioners, Leaders and Institutions*.

Chu, S.L., **Deurmeyer, E.**, Quek, F. (2017). Supporting scientific modeling through curriculum-based making in elementary schools. *International Journal of Child-Computer Interaction*.

Etchells, M.J., **Deurmeyer, E.**, Liles, V., Meister, S., Suarez, M., Chalklen, W. (2017). White male privilege: An intersectional deconstruction. *Journal of Ethnic and Cultural Studies*, 4(2), 13-27.

Ozfidan, B., Burlbaw, L., & Deuermeyer, E. (2017). The Public Works Administration: Improving City Services Through Infrastructure Improvement in Central and East Texas, 1933-1943. *The Journal of South Texas*.

Deuermeyer, E.E. (2014). Social reproduction and teacher education. In K. Becker, E. Miller, N. Reid, B. Smith, & M. Sorensen (Eds.), *Collective Unravelings of the Hegemonic Web: Movement, Place, and Story*.

### **CONFERENCE PROCEEDINGS**

**Note:** The publication culture in Human-Computer Interaction (HCI) tends to differ from that of some other disciplines. Whereas many disciplines consider journals as hallmarks of excellence, in HCI, publications in highly competitive peer-reviewed conferences provide as much certification as publishing in a journal. This culture is similar to that of the Computer Science field, where fast-paced advances in technology necessitates rapid dissemination of knowledge.

Deuermeyer, E. & De Miranda, M. (In Press). Scale development for measuring iDesign content connections in pre-service STEM teachers. In *Proceedings of the 37<sup>th</sup> Annual Pupil's Attitudes Towards Technology Conference*, June 3-6, Malta.

Murphy, R., Lara, A., Weathers, M., Perez, H., Deuermeyer, E. (2019). Making in the science classroom: Inspiring and empowering underprivileged minority students. In *Proceedings of FabLearn18*, March 9-10, New York, New York.

Chu, S.L., Garcia, B.M., Deuermeyer, E., Deady, S., Quek, F. (2019). An investigation of relevance from curriculum-aligned making in the elementary school science classroom. In *Proceedings of FabLearn18*, March 9-10, New York, New York.

Berman, A., Chu, S.L., Quek, F., Okundaye, O., Leming, Y., Deuermeyer, E.,...Doss, J. (2019). Proximal and distal mentors: Sustaining making-expertise in rural school. In *Proceedings of FabLearn18*, March 9-10, New York, New York.

Deuermeyer, E., & De Miranda, M. Stem associational fluency: The cross-training of elementary and middle grade math, science, and engineering pre-service teachers. In *Proceedings of the 36<sup>th</sup> Annual Pupil's Attitudes Towards Technology Conference*, June 18-21, Athlone, Ireland.

Berman, A., Deuermeyer, E., Nam, B., Chu, S., & Quek, F. (2018) Exploring the 3D Printing Processes for Young Children in Curriculum-Aligned Making in the classroom. In *Proceedings of Interaction, Design and Children Conference, June 19-22, 2018*. Trondheim, Norway.

Chu, S.L., Quek, F., Deuermeyer, E., & Martin, R. (2017). From classroom-making to functional-making: A study in the development of Making literacy. In *Proceedings of FabLearn17, October 21-22, 2017*. 8 pages.

Chu, S.L., Deuermeyer, E., Martin, R., Quek, F.,...Banigan, C. (2017). *Becoming makers: Examining 'making' literacy in the Elementary School Science Classroom*. Paper presented at the 16<sup>th</sup> Annual Interaction Design and Children Conference. June 27-30. Palo Alto, CA.

### **GRANTS AND FELLOWSHIPS**

Cisneros Asset Management Company Graduate Fellowship (2015-2017)-\$9,000

### **PROFESSIONAL EXPERIENCE**

#### **Program Manager**

The Program Manager for Instructional Ideas and Curriculum is responsible for planning, organizing and managing the development of instructional ideas and curriculum for the School of Innovation. Job responsibilities include organizing and planning commercialization and innovation workshops and working with stakeholders across the university to develop a micro-credentialing program in Commercialization and Innovation. (September 2018-Present)

**Assistant Research Scientist**

The general purpose of this position is to support all research endeavors of the Texas A&M Technology Infused Learning initiative. Job duties include leading and conducting field work and data collection that includes classroom teaching and professional development workshops for preservice and in-service teachers. Additionally, duties include data analysis, writing for publication and grant proposals, and supervising undergraduate and graduate research associates. Serve as guide and expert in matters involving education and pedagogy.  
**(February 2018-Present)**

**Post-Doctoral Research Associate**

*Making the Maker: A Pathway to STEM for Elementary School Students (NSF, DRL-1433770); This research employs 'making' as a mechanism to instill students with a positive self-perception to be STEM-capable and STEM-interested at grades 3-5. As the lead in the fieldwork for this grant, I coordinated with all team members to ensure field activity went smoothly. In addition, I worked with team members on data collection, data analysis, grant writing, and lead faculty and design team meetings to facilitate day-to-day and week-to-week work that needed to be completed. (August 2016-January 2018)*

**Adjunct Professor**

*Department of Teaching, Learning, and Culture; Responsible for two graduate courses each semester. Courses taught: EDCI 645-Societies and Education in World Perspectives; EDCI 636-Educator as Research; and EDCI 677-Culturally Responsive Strategies in a Diverse Society. (August 2016- Present)*

**Graduate Assistant for Research**

*Worked on literature review, data entry, and participation in weekly research team meetings to discuss progress of work and ideas for analysis of data found for the New Deal Projects in Texas. August 2013-May 2016*

**Non-Teaching Graduate Assistant**

*Duties included preparing conference presentations, grading for graduate and undergraduate courses for various professors, and organizing and assisting with various department activities. August 2013-May 2016*

**Instructor**

***EDCI 685/EDCI 485, Problems Course (June 10-24, 2015; Summer 2015):*** Taught class sessions while in Tanzania during the field trip; served as instructor and adviser for the undergraduate students on this trip.  
***INST 222 Historical, Philosophical and Cultural Foundations of Education Emphasizing Education for a Multicultural Society (August 2014-May 2016)***  
*This course is intended to provide prospective teachers with background information and insights into the cultural,*

*historical, and philosophical foundations of education in a multicultural society. Multiple approaches to multicultural education are discussed and critiqued.*

**MEFB 352-Curriculum and Instruction in the Middle Grades (August 2013-May 2014):** Course focused on the broad overview of curriculum and instruction in the middle school grades.  
**(August 2013-May 2016)**

### **REFEREED CONFERENCE PRESENTATIONS**

- Deuermeyer, E.**, Quek, F., Chu, S.L. (2019). Developing a maker teacher. American Educational Research Association (AERA) Conference. April 2019. Toronto, Canada.
- Deuermeyer, E.**, Turner, R., Suarez, M. (2018). How to support Maker teachers in the classroom: Teacher perceptions of 'Making', Maker-spaces, and Maker-teachers. American Educational Research Association (AERA) Conference. April 2018. New York, NY.
- Chu, S. **Deuermeyer, E.**, Turner, Rachel, Quek, F., Burlbaw, F., Larke, P., Schlegel, R. (2018). Examining making literacy in the elementary science classroom. American Educational Research Association (AERA) Conference. April 2018. New York, NY.
- Deuermeyer, E.** Supporting teacher resiliency through wellness. American Educational Research Association (AERA). April 2017.
- Etchells, M. J., Deuermeyer, E., Liles, V., Meister, S., Suarez, M. (2017). Deconstructing White Male Privilege: A Reflection of Egotism, Ambiguity, and Confusion. Southwest Educational Research Association (SERA). February 2017.
- Deuermeyer, E.E. (2016). Barriers and supports for teacher wellness. 2016 Kappa Delta Pi Research Conference. Calgary, Canada.
- Deuermeyer, E.E.**, & Etchells, M. (2016). First year doctoral student peer to peer mentoring: A program evaluation. 2016 Kappa Delta Pi Research Conference. Calgary, Canada.
- Etchells, M., **Deuermeyer, E.E.**, Liles, V., Meister, S. & Suarez, M.I. (2016). White male privilege: Multiple perspectives on race and gender. 2016 Annual Meeting of the Texas Chapter of the National Association for Multicultural Education. Denton, Texas
- Deuermeyer, E.E.**, Burlbaw, L.M., Ozfidan, B., Ziglari, L. (2016). The Public Works Administration and Houston ISD. 2016 Annual Meeting of the Society for the Study of Curriculum History. Washington, D.C.
- Deuermeyer, E. E. (2015). Round Table Discussion: Race Ethnicity, Class, & Gender. 2015 Annual Meeting of the American Educational Research Association. Chicago, IL.
- Burlbaw, L. M. and **Deuermeyer, E.E.** (2015). Improving Children's Nutrition: School Gardens and Canning Projects in Texas,' paper presented at Spring 2015 meeting of East Texas Historical Association, Woodlands, TX, February 26-28, 2015.
- Deuermeyer, E. E. (2014). Being Obese: Culture and Consequences. International Conference on Urban Education, Montego Bay, Jamaica.
- Deuermeyer, E.E. (2014). 'Hey there's donuts in the lounge!': Navigating the obesogenic environment. International Conference on Urban Education, Montego Bay, Jamaica.
- Deuermeyer, E. E. (2014). The African American Learner: Physical Activity and its Link to Academic Achievement. 2014 Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- Deuermeyer, E. E. (2014). Combating Childhood Obesity in the African American Community. 2014 Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- Deuermeyer, E. E. (2013). Social Reproduction and Teacher Education. 2013 Curriculum and Pedagogy Conference, New Orleans, LA.

**INVITED PRESENTATIONS**

- Deuermeyer, E. (2018). Wellness: The importance of taking care of yourself in K-12 schools. Fort Bend ISD.
- Deuermeyer, E.E. (2016). The first year in teaching: What nobody tells you. Texas A&M University, iVision Annual Professional Development Workshop. College Station, Tx.
- Deuermeyer, E. E. (2015). Microaggressions in our classrooms. Texas A&M University, iVision Monthly Meeting. College Station, Tx.
- Deuermeyer, E. E. (2014). Working with students from diverse populations. Texas A&M University, iVision Monthly Meeting. College Station, Tx.
- Deuermeyer, E.E. (2013). Is this reality or what we expect? Texas A&M University Chapter of TSTA, College Station, Tx
- Deuermeyer, E.E. (2013). Working with children in the urban environment. Texas A&M University, iVision Monthly Meeting.
- Deuermeyer, E.E. (2013). Working with students from low-income families. On-line seminar conducted for the ELLA-VIRISITY Grant.

**OTHER RELEVANT TEACHING EXPERIENCES**

- Texas Certifications*      EC-4 Generalist  
   4-8 Generalist  
   English as a Second Language Supplementary Grades EC-4  
   School Counseling (EC-12)

*PUBLIC SCHOOL*

**2011-2013**

**Guidance Counselor**

*Cypress-Fairbanks ISD, Houston Tx*

*Tipps Elementary*

*Planned and conducted guidance lessons for students in grades PK-5*

*LEP coordinator*

*Testing coordinator for all school, district, and state-level tests, including*

*STAAR*

**2009-2011**

**Guidance Counselor**

*Killeen ISD, Killeen/Fort Hood, Tx*

*Venable Village Elementary/Clear Creek Elementary/Willow Springs*

*Elementary (Floated in between all three campuses)*

*Planned and conducted guidance lessons for students in grades PK-5*

**2006-2009**                      **Elementary Teacher**  
*Killeen ISD, Killeen/Fort Hood, TX*  
*5<sup>th</sup> Grade- All subjects*  
*Willow Springs Elementary*

**AWARDS AND HONORS**

**Pattie & Weldon Kruger '53 Study Abroad Scholarship (2015)** *Texas A&M University Lt.*  
**Jordan Institute Overseas Loan Fund Scholarship (2015)** *Texas A&M University College of*  
**Education Study Abroad Scholarship (2014, 2015)** *Texas A&M University College of*  
**Education Student Scholars Award Scholarship (2012)** *Texas A&M University Dean's List*  
*(Spring 2006) Texas A&M University*  
**Dean's List (Fall 2005)** *Texas A&M University*

**SERVICE**

***American Education Research Association***

- Division K-Teaching and Teacher Education*
- Division G-Social Context of Education*
- SIG: Critical Examination of Race, Ethnicity, Class and Gender*

***Kappa Delta Pi (2012-Present)***

***University Service***

- Graduate Student Association-Vice President (2015-2016)*
- Kappa Delta Pi-Mu Chi Chapter- Vice President (2014-2016)*
- Graduate Student Association-Social Chair (2014-2015)*
- Killeen/Fort Hood A&M Alumni Association Club-President (2008-2011)*

**INTERNATIONAL EDUCATION EXPERIENCES**

- Tanzania (Summer 2015)*
- Italy, Spain, Portugal (Summer 2014)*



