January 2026

TEXAS STATE VITA

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Julie K. Jackson Associate Professor, College of Education, Curriculum and Instruction, Science Education, Texas State University - San Marcos

B. Educational Background

Ph.D.	2000	University of Texas at Austin	Science education	Dissertation: What sparks interest in science. A qualitative look at life experiences and events that spark and sustain interest in science.
M.A.	1996	University of Alabama at Tuscaloosa	Secondary education	
B.S.	1984	University of South Carolina at Columbia	Natural science education	

C. University Experience

Associate Professor, Science Education	Texas State University - San Marcos	2012 - present
Assistant Professor, Science Education	Texas State University - San Marcos	22006 - 2012
Lecturer, Cohort Coordinator, Assistant Instructor	University of Texas at Austin, College of Education and College of Natural Science UTeach Program	1996 - 2006

D. Relevant Professional Experience

Science Education Consultant	Liberty Hill ISD Liberty Hill, TX	2025 - present
Science Education Consultant & Author	McGraw Hill K-12 Science Textbooks Columbus, OH	2021 - present
Science Education Consultant	Cy-Fair Independent School District Houston, TX	2017 - present
Science Education Consultant	Katy ISD Katy, TX	2015 - present
Science Education Founder - consultant	Science Toolkit, LLC Round Rock, TX	2012 - present
Science Education Consultant	Round Rock Independent School District, Round Rock, TX	2007 - present
Science Education Consultant	Southwest Independent School District, San Antonio, TX	2014 - 2016
Science Education Consultant	Alief Independent School District Houston, TX	2015 - 2024 2011 - 2012
Science Education Consultant	Edgewood Independent School District, San Antonio, TX	2012 - 2015
Science Education Consultant	Pflugerville Independent School District, Pflugerville, TX	2007 - 2015
Science Education Consultant	GeoFORCE Texas, Jackson School of Geosciences, University of Texas at Austin	2005 - 2014
Science Education Consultant	Austin Independent School District - Pearce Middle School, Austin, TX	2009 - 2010
T-STEM Center Associate	Southeast Regional T-STEM Center, University of Texas Medical Branch at Galveston	2007 - 2008
Curriculum Developer and Project Evaluator	Girlstart, Austin, TX	2002 - 2005
Project Evaluator	University of Texas at Austin- College of Education and College of Natural Science UTeach Program	2002 - 2003

E. Other Professional Credentials

Certified Teacher Secondary Science: Delaware

Certified Teacher Secondary Science: South Carolina

II. TEACHING

A. Teaching Honors and Awards

Remote Instruction Shout Out, Texas State C&I Ambassadors (June 2020)

Teaching Award of Honor, Texas State Alumni Association (Spring 2020)

Favorite Professor, Alpha Delta Pi (2010-2019)

Favorite Professor, Alpha Chi, National College Honor Society (2010-2019)

Texas State University College Achievement Award for Excellence in Teaching (2016, 2017, 2019)

Skoog Cup College Faculty Award (2018) in recognition of significant contributions to and leadership in the development of quality science education. Presented by the Science Teacher Association of Texas and the Texas Tech University Howard Hughes Medical Institute Science Education Program.

Recognized for making positive contributions to graduate and undergraduate students' academic careers (2008 – 2015)

Texas State University *Presidential Distinction Award for Excellence in Teaching* (2010, 2011, and 2013)

Educator of Honor, Kappa Delta Pi, International Honor Society in Education (2010)

B. Courses Taught

Texas State University - San Marcos

Graduate

C&I 5399 A	Thesis
C&I 5399 B	Thesis
C&I 5377	Problems in bilingual education
C&I 5376	Problems in elementary education
C&I 5329	Elementary school science curriculum
C&I 5327	Principles and practices in the elementary school
C&I 5304	STEM education in the elementary school

Undergraduate
C&I 2345 STEM education in early childhood and elementary school
C&I 4355 Science in elementary education
C&I 4325 Classroom management in elementary school

University of Texas at Austin: Jackson School of Geosciences - GeoFORCE Texas
(Summer 2004 to 2010)

GeoFORCE academy – 9th grade geology field course
GeoFORCE academy – 10th grade geology field course
GeoFORCE academy – 11th grade geology field course
GeoFORCE academy – 12th grade geology field course

University of Texas at Austin: College of Education and College of Natural Science
(Spring 1996 – Fall 2006)

Undergraduate
EDC 331 C School organization and classroom management
EDC 365 D Classroom interactions (UTeach program)
EDC 370 E Science methods in the elementary school
EDC 950 E Student teaching practicum

C. Directed Student Learning

Texas State - Curriculum and Instruction (C&I)
Master's comprehensive examination grader 2006 - present

Texas State University – Curriculum and Instruction (C&I)
Thesis committee chair – Erinn Henrichs 2010 - 2011

The University of Texas at Austin - Curriculum and Instruction (C&I)
Dissertation committee: Suzanne Burke 2009 - 2010

Texas State - Educational Administration and Psychology Services (EAPS)
Dissertation committee: Ramona Pelkey 2007 - 2008

Texas State - College of Science
Master's Comprehensive Examination Committee 2006

D. Courses Prepared and Curriculum Development

C&I 2355 STEM education in early childhood and elementary school 2022

Reviewed and updated C&I 4355 Science in Elementary Education 2012

Reviewed and updated C&I 4355 Science in Elementary Education 2008

F. Other

Responded to the Texas State Office of Distance and Extended Learning (ODEL) call for instructional design innovations. My *HyFlex teaching: How to make it REALLY work* essay was posted on the ODEL IDeaBook webpage https://ideabook.wp.txstate.edu/2020/11/16/hyflex-teaching-how-to-make-it-really-work-dr-julie-jackson November 2020

G. Teaching Professional Development Activities Attended

The National Science Teaching Association Annual Conference 2006 - present

Conference for the Advancement of Science Teaching 2006 – present

Association of Science Teacher Educators 2018 - 2020

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books

a. Invited Refereed Scholarly Monograph

Dickinson, G., Summers, E., & Jackson, J. (2010). Developing expertise in project-based science: A longitudinal study of teacher development and student perceptions. In R. E. Yager (Ed). (p. 1-17). *Science for Resolving Issues/Problems*. NSTA Press: Arlington, VA.

b. Textbooks

Forsythe, M., & Jackson, J. (2025). The Student-Centered Elementary STEM Classroom. Kendall Hunt.

Hackett, J., Keeley, P., Vasquez, J., Moyer, R., Fisher, D., Zike, D. (2025). Tennessee Science Kindergarten. McGraw Hill. (Contributor - I am not a royalty author. I contributed lesson-level digital vocabulary supports for the K-5 TN Science program.)

Hackett, J., Keeley, P., Vasquez, J., Moyer, R., Fisher, D., Zike, D. (2025). Tennessee Science Grade 1. McGraw Hill. (Contributor - I am not a royalty author. I contributed lesson-level digital vocabulary supports for the K-5 TN Science program.)

Hackett, J., Keeley, P., Vasquez, J., Moyer, R., Fisher, D., Zike, D. (2025). Tennessee Science Grade 2. McGraw Hill. (Contributor - I am not a royalty author. I contributed lesson-level digital vocabulary supports for the K-5 TN Science program.)

Hackett, J., Keeley, P., Vasquez, J., Moyer, R., Fisher, D., Zike, D. (2025). Tennessee Science Grade 3. McGraw Hill. (Contributor - I am not a royalty author. I contributed lesson-level digital vocabulary supports for the K-5 TN Science program.)

Hackett, J., Keeley, P., Vasquez, J., Moyer, R., Fisher, D., Zike, D. (2025). Tennessee Science Grade 4. McGraw Hill. Contributor - I am not a royalty author. I contributed lesson-level digital vocabulary supports for the K-5 TN Science program.)

Hackett, J., Keeley, P., Vasquez, J., Moyer, R., Fisher, D., Zike, D. (2025). Tennessee Science Grade 5. McGraw Hill. (Contributor - I am not a royalty author. I contributed lesson-level digital vocabulary supports for the K-5 TN Science program.)

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Kindergarten* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Kindergarten* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Kindergarten* [Science for Texas Kindergarten] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Kindergarten* [Science for Texas Kindergarten] (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science First Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science First Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 1* [Science for Texas Grade 1] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 1* [Science for Texas Grade 1] (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Second Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Second* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 2* [Science for Texas Grade 2] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 2* [Science for Texas Grade 2] (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Third Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Third Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 3* [Science for Texas Grade 3] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 3* [Science for Texas Grade 3] (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Fourth Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Fourth Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 4* [Science for Texas Grade 4] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 4* [Science for Texas Grade 4] (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Fifth Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Texas Science Fifth Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 5* [Science for Texas Grade 5] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Texas Grado 5* [Science for Texas Grade 5] (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Texas Science Sixth Grade* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Texas Science Sixth Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Ciencias para Texas Grado 6* [Science for Texas Grade 6] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Ciencias para Texas Grado 6* [Science for Texas Grade 6] (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Texas Science Seventh Grade* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Texas Science Seventh Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Ciencias para Texas Grado 7* [Science for Texas Grade 7] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Ciencias para Texas Grado 7* [Science for Texas Grade 7] (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Texas Science Eighth Grade* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Texas Science Eighth Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Ciencias para Texas Grado 8* [Science for Texas Grade 8] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, J., & Zike, D. (2024). *Ciencias para Texas Grado 8* [Science for Texas Grade 8] (Teacher ed.). McGraw Hill.

Jackson, J., McLaughlin, C. W., Thompson, M., & Zike, D. (2024). *Texas Science Integrated Physics and Chemistry* (Student ed.). McGraw Hill.

Jackson, J., McLaughlin, C. W., Thompson, M., & Zike, D. (2024). *Texas Science Integrated Physics and Chemistry* (Teacher ed.). McGraw Hill.

Jackson, J., McLaughlin, C. W., Thompson, M., & Zike, D. (2024). *Quimica y Fisica Integradas para Texas* [Chemistry and Physics integraded for Texas] (Student ed.). McGraw Hill.

Biggs, A., Hagins, W. C., Holliday, W. G., Jackson, J., Kapicka, C. L., Lundgren, L., MacKenzie, A. H., Rogers, W. D., & Zike, D. (2024). *Texas Science Biology* (Student ed.). McGraw Hill.

Biggs, A., Hagins, W. C., Holliday, W. G., Jackson, J., Kapicka, C. L., Lundgren, L., MacKenzie, A. H., Rogers, W. D., & Zike, D. (2024). *Texas Science Biology* (Teacher ed.). McGraw Hill.

Biggs, A., Hagins, W. C., Holliday, W. G., Jackson, J., Kapicka, C. L., Lundgren, L., MacKenzie, A. H., Rogers, W. D., & Zike, D. (2024). *Biologia para Texas* [Biology for Texas] (Student ed.). McGraw Hill.

Buthelezi, T., Dingrando, L., Hainen, N., Jackson, J., Wistrom, C., & Zike, D. (2024). *Texas Science Chemistry* (Student ed.). McGraw Hill.

Buthelezi, T., Dingrando, L., Hainen, N., Jackson, J., Wistrom, C., & Zike, D. (2024). *Texas Science Chemistry* (Teacher ed.). McGraw Hill.

Buthelezi, T., Dingrando, L., Hainen, N., Jackson, J., Wistrom, C., & Zike, D. (2024). *Quimica para Texas* [Chemistry for Texas] (Student ed.). McGraw Hill.

Haase, D. G., Harper, K. A., Jackson, J., Zike, D., & Zitzewitz, P. W. (2024). *Texas Science Physics* (Student ed.). McGraw Hill.

Haase, D. G., Harper, K. A., Jackson, J., Zike, D., & Zitzewitz, P. W. (2024). *Texas Science Physics* (Teacher ed.). McGraw Hill.

Haase, D. G., Harper, K. A., Jackson, J., Zike, D., & Zitzewitz, P. W. (2024). *Fisica para Texas* [Physics for Texas] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Kindergarten* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Kindergarten* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Ciencias para Florida Kindergarten* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science First Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science First Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Florida 1* [Science for Florida 1] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Second Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Second Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Florida 2* [Science for Florida 2] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Third Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Third Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Florida 3* [Science for Florida 3] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Fourth Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Fourth Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Ciencias para Florida 4* [Science for Florida 4] (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Fifth Grade* (Student ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Science Fifth Grade* (Teacher ed.). McGraw Hill.

Fisher, D., Hackett, J.K., Jackson, J., Keeley, P., Mensah, F., Vasquez, J., & Zike, D. (2024). *Florida Ciencias para Florida 5* [Science for Florida 5] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Course 1* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Course 1* (Teacher ed.). McGraw Hill

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Ciencias para Florida Course 1* [Science for Florida Course 1] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Course 2* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Course 2* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Ciencias para Florida Course 2* [Science for Florida Course 2] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Course 3* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Course 3* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Ciencias para Florida Course 3* [Science for Florida Course 3] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Physical Science* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Physical Science* (Teacher ed.). McGraw Hill

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Ciencias para Florida Physical Science* [Science for Florida Physical Science] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Earth and Space Science* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Earth and Space Science* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Ciencias para Florida Earth and Space Science* [Science for Florida Earth and Space Science] (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Life Science* (Student ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Florida Science Life Science* (Teacher ed.). McGraw Hill.

Fisher, D., Jackson, J., Keeley, P., Manga, M., Nesmith, M.S., & Zike, D. (2024). *Ciencias para Florida Life Science* [Science for Florida Lifre Science] (Student ed.). McGraw Hill.

Biggs, A., Hagins, W. C., Holliday, W. G., Jackson, J., Kapicka, C. L., Lundgren, L., MacKenzie, A. H., Rogers, W. D., & Zike, D. (2024). *Florida Science Biology* (Student ed.). McGraw Hill.

Biggs, A., Hagins, W. C., Holliday, W. G., Jackson, J., Kapicka, C. L., Lundgren, L., MacKenzie, A. H., Rogers, W. D., & Zike, D. (2024). *Florida Science Biology* (Teacher ed.). McGraw Hill.

Biggs, A., Hagins, W. C., Holliday, W. G., Jackson, J., Kapicka, C. L., Lundgren, L., MacKenzie, A. H., Rogers, W. D., & Zike, D. (2024). *Biologia para Florida* [Biology for Florida] (Student ed.). McGraw Hill.

Buthelezi, T., Dingrando, L., Hainen, N., Jackson, J., Wistrom, C., & Zike, D. (2024). *Florida Science Chemistry* (Student ed.). McGraw Hill.

Buthelezi, T., Dingrando, L., Hainen, N., Jackson, J., Wistrom, C., & Zike, D. (2024). *Florida Science Chemistry* (Teacher ed.). McGraw Hill.

Buthelezi, T., Dingrando, L., Hainen, N., Jackson, J., Wistrom, C., & Zike, D. (2024). *Quimica para Florida* [Chemistry for Florida] (Student ed.). McGraw Hill.

d. Refereed Chapters in Books

Garza, T., Huerta, M., & Jackson, J. (2022). Evaluating teacher attitudes towards bilingualism and best science teaching practices for bilingual learners. In M. Machado-Casas, S. I. Maldonado, & B. Bustos-Flores (Eds.), *Assessment and evaluation in bilingual education.* Peter Lang US.

2. Articles

a. Refereed Journal Articles (national)

Jackson, J., Brenegan, J., Wagner, K., Berry, M. (2023) Cardboard City: An integrative engineering experience. *Science & Children, 60*(7), 78-83.

Jackson, J., Forsythe, M., Medeiros, D. (ST), Parthemore, J., & Rix, A. (2021). Innovation and design: Using books to introduce engineering-based thinking. *Science & Children*, *58*(3), 26-31.

Jackson, J., Forsythe, M. (2020). Science in your stacks: Using trade books and literacy strategies to enhance 5E science lessons. *Science Scope*, *44*(2), 30-35.

Jackson, J., Forsythe, M. (2020). Using trade books and biographies to bring the practices of engineering to life. *Science Scope*, *44*(2), 36-45.

Jackson, J., Huerta, M., & Garza, T. (2020) A promising science and literacy instructional model with Hispanic fifth grade students. *The Journal of Educational Research, 113*(2), 79-92. doi: 10.1080/00220671.2020.1728734

Forsythe, M., Jackson, J., & King, J. (2019). Turning tests into tasks: How to build summative performance assessments from standardized test questions. *Science Scope, 42*(7), 67-74.

Forsythe, M., Jackson, J., & Medeiros, D. (ST) (2019). Stories of design: Using books to unpack the engineering design process. *The Elementary STEM Journal, 23*(3), 18-22.

Jackson, J., Huerta, M., Garza, T., & Narvaez, R. (2019). Examining the effects of a professional development initiative on English learning and economically disadvantaged adolescents' scores on a high-stakes science test. *Journal of Science Teacher Education, 30*(2), 122-143. doi: 10.1080/1046560X.2018.1538299

Huerta, M., Garza, T., Jackson, J., & Murukutla, M. (2019). Science teachers' attitudes towards English learners. *Teaching and Teacher Education, 77*, 1-9. doi:10.1016/j.tate.2018.09.007

Jackson, J., Forsythe, M., Medeiros, D. (ST), Parthemore, J., & Rix, A. (2018). Unpacking the engineering process: Resourcing trade books and biographies. *Children and Libraries: The Journal of the Association for Library Service to Children, 16*(4), 4-8, 33.

Forsythe, M., Jackson, J., & Contreras, L. (2018). Hiding in plain sight: How to identify and use trade books to support the 5E Instructional Model. *Science and Children, 56*(2), 80-87.

Jackson, J. (2018). Build an interactive word wall: Connecting scientific concepts with academic vocabulary. *The Science Teacher, 85*(1), 42-46.

Jackson, J., Swinton, M., McKinney, B., & Cantu, R. (2017). Is it worth it? Can I do It? An interactive word wall professional development explores how to build language proficiency during a science lesson. *Science and Children, 55*(3), 84-89.

Jackson, J., Warner, K., & Forsythe, M. (2017). There's a zoo in our room. *Science and Children, 55*(2), 34-40.

Jackson, J., Wise, E., Zurbuchen, K., & Gardner, N. (2017). Interactive word walls: Visual scaffolds that transform vocabulary instruction. *Science Scope, 40*(9), 72-79.

Jackson, J., Durham, A., Sockel, J., Dowell, S., & Boynton, I. (2016). Claims and Evidence: Creating opportunities for students to practice speaking and writing about science. *Science and Children, 54*(4), 64-69.

Jackson, J., & Durham, A. (2016). Put your walls to work: Planning and using interactive word walls to support science and reading instruction. *Science and Children, 54*(3), 78-84.

Jackson, J., & Rich, A. (ST). (2014). Sculpt-A-Scientist: An artistic activity that shapes fourth-grade students' perceptions of scientists. *Science and Children, 52*(1), 75-79.

Jackson, J. (2014). Interactive, conceptual word walls: Transforming content vocabulary instruction one word at a time. *International Research in Education, 2*(1), 22-40.

Jackson, J., & Narvaez, R. (2013). Interactive word walls: Create a tool to increase science vocabulary in five easy steps. *Science and Children, 51*(1), 42-49.

Henrichs, E. (ST), & Jackson, J. (2012). A winning combination: Interactive word walls and the language of science**.** *Science and Children, 50*(3), 52-57.

Jackson, J., & Ash, G. (2012). Science achievement for all: Improving science performance and closing achievement gaps. *Journal of Science Teacher Education*. *23*(7), 723-744. doi:10.1007/s10972-011-9238-z

Jackson, J., & Newell, N. (2012). Hats off to science. *Science and Children, 50*(3), 46-51.

Jackson, J., Tripp, S., & Cox, K. (2011). Interactive word walls: Transforming content vocabulary instruction. *Science Scope, 35*(3), 45-49.

Jackson, J., & Castro, A. (2011). A high-stakes test intervention: Moon phase models as viewed from Earth and space. *Science Scope, 34*(5), 12-18.

Huerta, M. (ST), & Jackson, J. (2010). Connecting literacy and science to increase achievement for English language learners. *Early Childhood Education Journal, 38,* 205-211. doi:10.1007/s10643-010-0402-4

Jackson, J., Dickinson, G., & Horton, D. (2010). Rocks and rhymes: A geoscience activity combining field notes and poetry. *The Science Teacher, 77*(1), 27-31.

Jackson, J. (2009). H_2O and you. *Science Activities, 46*(1), 3-6.

Dickinson, G., & Jackson, J**.** (2008). Planning for success*:* How to design and implement project-based science activities. *The Science Teacher, 75*(8), 29-32.

Husty, S., & Jackson, J. (2008). Multisensory strategies for science vocabulary. *Science and Children, 46*(4), 32-35.

Jackson, J. (2008). Sculpt a scientist: An activity designed to confront negative stereotypes of scientists. *Science Scope, 32*(3), 49-52.

Jackson, J., Allen, G., & Dickinson, G. (2008). Connection charts and book talk groups. *Science and Children, 46*(3), 27-31.

Jackson, J., & Allen, G. (2007). Using narrative informational book circles, connection charts and notebooks to showcase science as a human endeavor. *Science Scope, 31*(2), 26-30.

b. Non-refereed Articles

Forsythe, M., & Jackson, J. (2021, June 30). 5 children's books that teach valuable engineering lessons. *The Conversation.* https://theconversation.com/5-childrens-books-that-teach-valuable-engineering-lessons-162583

Article Metrics from *The Conversation* (June 30 – Sept 22, 2021)
54,456 known online readers (41% US; 18% UK; 15% India; 26% Other)
34 known online re-publishers, including the *World Economic Forum*
1 known print re-publisher *Syracuse Post-Standard* (circ. 83,000+)
501 known social media shares

3. Conference Proceedings

a. Refereed Conference Proceedings (international)

Dickinson, G., Summers, E., & Jackson, J. (2010). *Developing teacher expertise in project-based instruction.* Proceedings of the 2nd Paris International Conference on Education, Economy and Society, Paris, France. 130-137. (Accessible http://education-conferences.org/proceedings2010.aspx)

Dickinson, G., Jackson, J., & Petrosino, A. J. (2007). *UTeach natural sciences: A streamlined approach to recruit, train and mentor science and mathematics teachers.* Proceedings of the 3rd International Forum on Teacher Education: Teacher Education Innovation and Teacher Professional Learning - Policies, Standards and Innovative Practices, Shanghai, China, 69-82.

6. Book Reviews

Jackson, J. (January, 2012). *Science learning and instruction: Taking advantage of technology to promote knowledge integration*, by M.C. Linn & B. Eylon. *Teachers College Record.*

B. Works not in Print

1. Papers Presented at Professional Meetings (international)

Dickinson, G., Summers, E. J., & Jackson, J. (2010, July). *Developing expertise in project-based instruction*. Paper presented at the Second Paris International Conference on Education, Economy and Society, Paris, France.

Dickinson, G., Jackson, J., & Petrosino, A. (2007, November). *UTeach natural sciences: A streamlined approach to recruit, train and mentor science and mathematics teachers*. Presentation at the 3rd International Forum on Teacher Education: Teacher Education Innovation and Teacher Professional Learning - Policies, Standards and Innovative Practices, Shanghai, China.

1. Papers Presented at Professional Meetings (international and national)

Jackson, J. (2025, March). *Interactive word walls for early childhood and lower elementary students.* National Conference on Science Education. Philadelphia, PA.

Jackson, J. (2025, March). *Transform vocabulary instruction in 4 easy steps".* National Conference on Science Education. Philadelphia, PA.

Jackson, J. (2024, March). *Building a comprehensive vocabulary program.* National Conference on Science Education. Denver, CO.

Jackson, J. (2024, March). *Transform static word walls into interactive teaching tools.* National Conference on Science Education. Denver, CO.

Jackson, J. (2023, March). *Language integrated science instruction: Listening, speaking, reading, and writing to learn science.* National Conference on Science Education. Denver, CO.

Jackson, J. (2023, March). *Improving science achievement: A science and literacy instruction intervention with implications for research, policy, and practice.* National Conference on Science Education. Atlanta, GA.

Jackson, J. (2023, March). *Language integrated science instruction: Listening, speaking, reading, and writing to learn science.* National Conference on Science Education. Atlanta, GA.

Jackson, J. (2022, April). *Academic language: Listening, speaking, reading, and writing to learn science*. National Science Teaching Association Conference on Science Education (NSTA). Houston, TX.

Jackson, J. (2021, April). *Visual scaffolds that transform content vocabulary Instruction during remote instruction in middle schools.* National Science Teaching Association Engage: Spring 21 virtual conference. This session was presented twice.

Jackson, J. (2020, April accepted). *Innovation and design: Using books to introduce engineering-based thinking*. National Science Teaching Association Conference on Science Education (NSTA). Boston, MA. https://www.nsta.org/conferences/ (conference canceled).

Jackson, J. (2020, April accepted). *Transform word walls into powerful interactive teaching tools*. National Science Teaching Association Conference on Science Education (NSTA). Boston, MA. https://www.nsta.org/conferences/ (conference canceled).

Jackson, J. (2020, April accepted). *Academic language: Listening, speaking, reading, and writing to learn science.* National Science Teaching Association Conference on Science Education (NSTA). Boston, MA. https://www.nsta.org/conferences/ (conference canceled).

Jackson, J. (2020, January). *Implementing and evaluating a science and literacy instruction model designed to support academic language acquisition for English leaners and economically disadvantaged students*. Association for Science Teacher Education (ASTE). San Antonio, TX.

Jackson, J. (2019, April). *Hiding in plain sight: How to identify and use trade books to support the 5E instructional model.* National Science Teaching Association conference on Science Education (NSTA). St. Louis, MO.

Forsythe, M. & Jackson, J. (2019, January). *Using children's literature to advance preservice teachers' implementation of scientific inquiry and engineering design.* Association for Science Teacher Education (ASTE). Savannah, GA.

Jackson, J. K., Huerta, M., & Garza, T. (2019, January). *The effects of a science and literacy professional development initiative in two high Hispanic elementary schools: Implications for research, teaching, and policy.* Association for Science Teacher Education (ASTE). Savannah, GA.

Huerta, M., Jackson, J. K., Garza, T. (2019, January). *A professional development initiative to help English learners and economically disadvantaged adolescents succeed on high-stakes science tests: Findings comparing a treatment and control campus.* Association for Science Teacher Education (ASTE). Savannah, GA.

Jackson, J. (2018, March). *Interactive word walls: Training trainers and coaching coaches.* National Science Teachers Association Conference on Science Education (NSTA). Atlanta, GA.

Jackson, J. (2018, March). *Claims, evidence, and reasoning (CER) and interactive word walls.* National Science Teachers Association Conference on Science Education (NSTA). Atlanta, GA. (Featured conference strand presentation)

Jackson, J. (2017, March). *Interactive word walls: Enhancing students' ability to speak, read, and write about science experiences.* National Science Teachers Association Conference on Science Education (NSTA). Los Angeles, CA.

Jackson, J. (2016, March). *Interactive Word Walls: Purposeful Planning.* National Science Teachers Association Conference on Science Education (NSTA). Nashville, TN.

Jackson, J. (2016, March). *Visual Literacy: Using Observable and Inferred Evidence to Analyze and Interpret Information.* National Science Teachers Association Conference on Science Education (NSTA). Nashville, TN.

Jackson, J. (2015, April). *Interactive word wall rubric: Good, better, best.* National Science Teachers Association Conference on Science Education (NSTA). Chicago, IL.

Jackson, J. (2015, April). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction.* National Science Teachers Association Conference on Science Education (NSTA). Chicago, IL.

Jackson, J. (2013, April). *Around the world in six days: An ecosystem adventure.* National Science Teachers Association Conference on Science Education (NSTA). San Antonio, TX.

Jackson, J. (2013, April). *Interactive, conceptual word walls: Transforming content vocabulary one word at a time.* National Science Teachers Association Conference on Science Education (NSTA). San Antonio, TX.

Jackson, J. (2013, April). *Elementary extravaganza: Vocabulary parades.* National Science Teachers Association Conference on Science Education (NSTA). San Antonio, TX

Jackson, J. (2013, April). *Science camp: An effective high-stakes intervention.* National Science Teachers Association Conference on Science Education (NSTA). San Antonio, TX.

Henrichs, E. (ST), & Jackson, J. (2012, February). *Science word walls: Interactive and student-generated.* Conference of the Association of Teacher Educators (ATE), San Antonio, TX.

Jackson, J. (2012, February). *Interactive Word Walls: Transforming Content Vocabulary Instruction One Word at a Time.* Conference of the Association of Teacher Educators (ATE), San Antonio, TX.

Jackson, J. (2012, February). *Science achievement for all: Improving science performance and closing gaps.* Conference of the Association of Teacher Educators (ATE), San Antonio, TX.

Jackson, J. (2011, March). *Integrating Inquiry and Science Notebooks.* National Science Teachers Association Conference on Science Education (NSTA). San Francisco, CA.

Jackson, J. (2010, March). *Supporting English language learners in science.* National Science Teachers Association Conference on Science Education (NSTA). Philadelphia, PA.

Jackson, J. & Dickinson, G. (2009, March). *Using the 5-E lesson plan model to support teaching and learning.* National Science Teachers Association Conference on Science Education (NSTA). New Orleans, LA.

Dickinson, G. & Jackson, J. (2009, March). *Designing quality project-based units for the science classroom.* National Science Teachers Association Conference on Science Education (NSTA). New Orleans, LA.

2. Invited Talks, Lectures, and Presentations (national)

Jackson, J., (2025, November). I*nteractive word walls: Visual scaffolds that transform science instruction (K-12)*. University of Central Florida – School of Teacher Education. ZOOM (Invited speaker)

Jackson, J., (2019, August). I*nteractive word walls: Visual scaffolds that transform science instruction*. Alamogordo Public Schools. Alamogordo, NM (Invited speaker)

Jackson, J., (2018, November). *Interactive word walls: Visual scaffolds that transform science instruction.* Minnesota Science Teachers Association (MnSTA). St. Cloud, MN. (Featured speaker)

Jackson, J., (2018, November). *Hiding in plain sight: How to identify and use trade books to support the 5E instructional model*. Minnesota Science Teachers Association (MnSTA). St. Cloud, MN. (Featured speaker)

Jackson, J., (2018, June). *Interactive word walls: Reading, speaking and writing about science.* Virginia Math & Science Partnership. Virginia Beach, VA. (Featured speaker)

Jackson, J. (2018, January). *Interactive word walls: Science for all.* Billerica Public Schools, Billerica, MA. (Invited speaker)

2. Invited Talks, Lectures, and Presentations (state and regional)

Jackson, J. (2025, November). *Building science and stories: Experience three-dimensional learning with the three billy goats gruff*. Conference for the Advancement of Science Teaching (CAST), Dallas, TX. (Featured speaker)

Jackson, J. (2025, November). *Transform static word walls into interactive learning tools*. Conference for the Advancement of Science Teaching (CAST), Dallas, TX. (Featured speaker)

Jackson, J. (2024, November). *Anchors away: Let's replace teacher created anchor charts with student created interactive word walls*. Conference for the Advancement of Science Teaching (CAST), San Antonio, TX. (Featured speaker)

Jackson, J. (2024, November). *Transform static word walls into dynamic teaching tools*. Conference for the Advancement of Science Teaching (CAST), San Antonio, TX. (Featured speaker)

Jackson, J. (2024, November). *Interactive word walls: A powerful universal design for learning tool*. Conference for the Advancement of Science Teaching (CAST), San Antonio, TX. (Featured speaker)

Jackson, J. (2024, November). *Connecting children's literature with science and engineering practices*. Conference for the Advancement of Science Teaching (CAST), San Antonio, TX. (Featured speaker)

Jackson, J. (2024, October). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction.* Tennessee Science Teacher Association (TSTA), Murfreesboro, TN.

Jackson, J. (2024, October). *Interactive Word Walls: Student Centered Vocabulary Instruction.* Tennessee Science Teacher Association (TSTA), Murfreesboro, TN.

Jackson, J. (2024, October). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction.* Florida Association of Science Teachers Conference (FAST), Tampa, FL.

Jackson, J. (2024, October). *Interactive Word Walls: Student Centered Vocabulary Instruction.* Florida Association of Science Teachers Conference (FAST), Tampa, FL.

Jackson, J. (2024, June). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction*. Region 7 Educational Service Center, Kilgore, TX. (Keynote Speaker)

Jackson, J. (2023, November). *Building a comprehensive vocabulary program.* Conference for the Advancement of Science Teaching (CAST), Houston, TX. (Featured speaker)

Jackson, J. (2023, November). *Scientific practices and children's literature.* Conference for the Advancement of Science Teaching (CAST), Houston, TX. (Featured speaker)

Jackson, J. (2023, November). *Interactive word walls: Is it worth it? Can I do it?* Conference for the Advancement of Science Teaching (CAST), Houston, TX. (Featured speaker)

Jackson, J. (2023, November). *Interactive word walls: Using the recurring themes and concepts to support speaking and writing about science.* Conference for the Advancement of Science Teaching (CAST), Houston, TX. (Featured speaker)

Jackson, J. (2023, November). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction.* Conference for the Advancement of Science Teaching (CAST), Houston, TX. (Featured speaker)

Jackson, J. (2023, October). *Interactive word walls: Experience building a visual scaffold that supports speaking and writing about science.* Florida Association of Science Teachers Conference (FAST), Tampa, FL.

Jackson, J. (2023, October). *Interactive word walls: Claims, Evidence and Reasoning.* Florida Association of Science Teachers Conference (FAST), Tampa, FL.

Jackson, J. (2022, November). *Unpacking the new TEKS through the lens of investigation.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX. (Featured speaker)

Jackson, J. (2022, November). *Interactive word wall in 3-5 classrooms.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX. (Featured speaker)

Jackson, J. (2022, November). *Interactive word wall in K-2 classrooms.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX. (Featured speaker)

Jackson, J. (2022, November). *The specialized language of science.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX. (Featured speaker)

Jackson, J. (2022, October). *Speaking and writing about science.* Southwest Association of Science Teacher Educators (ASTE), San Marcos, TX.

Jackson, J. (2021, November). *Interactive word walls: Coherent integration of best practices in science instruction.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX. (Featured speaker)

Jackson, J. (2021, November). *Science in your stacks: Using trade books and literacy strategies to enhance 5E science lessons.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX. (Featured speaker)

Jackson, J. (2021, November). *Interactive word walls: Vocabulary-driven planning.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX. (Featured speaker)

Jackson, J. (2021, February). *Remote science instruction*. DFW MiniCAST, virtual conference. (Featured speaker).

Jackson, J. (2020, November). *Interactive word walls for remote/virtual instruction.* Conference for the Advancement of Science Teaching (CAST), virtual conference. (Featured speaker)

Jackson, J. (2020, November). *Bringing rigor and depth to science interactive word walls.* Conference for the Advancement of Science Teaching (CAST), virtual conference.

Jackson, J. (2019, November). *Hiding in plain sight: Using books to support the 5E lesson plan model.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2019, November). *Facilitating classroom discourse in upper elementary science instruction.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2019, November). *Facilitating classroom discourse in lower elementary science instruction.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2019, November). *Inquiry 101: What? Why? How?* Conference for the Advancement of Science Teaching (CAST). Dallas, TX.

Jackson, J. (2019, November). *Innovation and design: Using books to introduce engineering-based thinking.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2019, March). *Unpacking the engineering design process.* Out in space, Down to Earth Educator Conference, San Antonio, TX.

Jackson, J. (2019, March). *Hiding in plain sight.* Out in space, Down to Earth Educator Conference, San Antonio, TX.

Jackson, J. (2018, November). *Interactive word walls: Visual scaffolds that transform vocabulary instruction.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2018, November). *Hiding in plain sight: How to identify and use trade books to support the 5E instructional model*. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2018, November). *Using trade books and biographies to unpack the Engineering Design Process.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2018, November). *Interactive word walls: Speaking and writing about science*. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J., (2018, August). *Interactive word walls: Vocabulary instruction for ALL students.* Northwest Engage NXNW Conference, Trophy Club, TX (Featured speaker)

Jackson, J. (2018, August). *Interactive word walls: Speaking and writing about math and science.* Austin Independent School District Science + Mathematics Conference. Austin, TX (Featured speaker).

Jackson, J. (2018, August). *Claims Evidence and Reasoning statements in math and science classroom.* Austin Independent School District Science + Mathematics Conference. Austin, TX (Featured speaker).

Jackson, J. (2018, March). Planning and using interactive word walls. *Out in Space, Down to Earth STEM conference*, San Antonio, TX.

Jackson, J. (2018, February). *Interactive word walls: Writing and speaking to learn science.* Region 13 Mini-CAST, Manor, TX.

Jackson, J. (2018, February). *Hiding in plain sight: How to select trade books to support the 5E lesson plan model*. Region 13 Mini-CAST, Manor, TX.

Jackson, J. (2018, February). *Science Camp: An effective high stakes test intervention.* Region 13 Mini-CAST, Manor, TX.

Jackson, J. (2017, November). *Interactive word walls 101: Planning and building*. Conference for the Advancement of Science Teaching. (CAST), Houston, TX.

Jackson, J., Forsythe, M., & Contreras, L. (2017, November). *Hiding in plain sight: How to identify and use trade books to support the 5E instructional model*. Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (August, 2017). *Visual scaffolds that transform content vocabulary instruction.* Panhandle Math and Science Conference - West Texas A&M University. Canyon, TX. (Keynote speaker).

Jackson, J. (2017, July). I*nteractive word walls: Visual scaffolds that transform content vocabulary instruction.* Summer Bonanza, Manor, TX. (Keynote speaker)

Jackson, J. & Contreras, L. (2016, November). *Interactive word walls for beginners*. Conference for the Advancement of Science Teaching (CAST), San Antonio, TX.

Jackson, J., & Contreras, L. (2016, November). *Planning interactive word walls*. Conference for the Advancement of Science Teaching (CAST), San Antonio, TX.

Jackson, J., & Contreras, L. (2016, November). *CER and interactive word walls.* Conference for the Advancement of Science Teaching (CAST), San Antonio, TX.

Jackson, J., & Contreras, L. (2016, November). *Training trainers and coaching coaches.* Conference for the Advancement of Science Teaching (CAST), San Antonio, TX.

Jackson, J., (2016, November). *Speak, read and write via interactive word walls.* Conference for the Advancement of Science Teaching (CAST), San Antonio, TX.

Jackson, J. (2016, June). *Interactive word walls: Pretty vs used.* TEKS Resource System Conference. San Antonio, TX.

Jackson, J. (2016, June). *Interactive word walls & CER statements.* TEKS Resource System Conference. San Antonio, TX.

Jackson, J. (2016, June). *Developing vocabulary for changing classrooms.* Summer Learning Summit: Equipped for the climb. Little Elm, TX.

Jackson, J. (2016, March). *Visual literacy: Interactive word walls in action.* Texas Council for Elementary Science. Dallas, TX. (Keynote speaker)

Jackson, J. (2016, February). *Interactive word walls: An introduction.* Out in space: Down to Earth Challenger Learning Center Conference, San Antonio, TX.

Jackson, J. (2016, February). *Claims, Evidence and Reasoning in the K-8 science classroom.* Out in space: Down to Earth Challenger Learning Center Conference, San Antonio, TX.

Jackson, J. (2016, February). *Visual literacy in the science classroom.* North Texas DFW metroplex Mini-CAST, Frisco, TX. (Keynote speaker)

Jackson, J. (2016, January). *Using interactive word walls to construct claims, evidence, and reasoning statements.* Central Texas Mini-CAST, San Marcos, TX.

Jackson, J. (2016, January). *Interactive Word Walls: Visual scaffolds that transform science instruction.* Central Texas Mini-CAST, San Marcos, TX.

Jackson, J. & Contreras, L. (2015, November). *Using children's literature to support science instruction in the elementary school.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2015, November). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction*. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2015, November). *Planning effective interactive word walls*. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2015, November). *Interactive word walls: Good, better, best*. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. & Warner, K. (2015, November). *Interactive science word walls: Language, reading, and writing skills in lower elementary classrooms.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. & Contreras, L. (2015, November). *Visual literacy: Using observable and inferred evidence to analyze and interpret information.* Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2015, November). *Evidence driven science instruction: Using interactive word walls to construct scientific claims and evidence statements*. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

Jackson, J. (2014, November). *Let's write: Building language for science literacy.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2014, November). *Planning effective interactive word walls.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2014, November). *Interactive Word Wall Rubric: Good, Better, Best.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2014, November). *Interactive Word Walls: Visual Scaffolds that Transform Content Vocabulary Instruction.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2014, November). *5-E science lessons and interactive internet resources.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (October, 2014). *Interactive word walls: Transforming instruction*. Texas Association for Supervision and Curriculum Development Annual Conference (ASCD), Houston, TX.

Jackson, J. (February, 2014). *Interactive 5-E science lessons*. Convention and exposition: Science Academy - Texas Computer Education Association (TCEA), Austin, TX.

Jackson, J. (2014, January). *Interactive word walls.* Nacogdoches CISD, Nacogdoches, TX.

Jackson, J. (2013, November). *Science camp: An effective high stakes test intervention.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2013, November). *Vocabulary parades: A fun way to be serious about science vocabulary.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2013, November). *Interactive, conceptual word walls: Good, better, best.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2013, November). *Interactive, conceptual word walls: Purposeful planning.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2013, August). *Interactive word walls.* Edgewood ISD, San Antonio, TX.

Jackson, J. (2013, August). *Interactive word walls across content areas.* Alvarado ISD, Alvarado, TX.

Jackson, J. (2012, November). *Interactive, conceptual word walls: Transforming content vocabulary instruction one word at a time.* Conference for the Advancement of Science Teaching (CAST), Corpus Christi, TX.

Jackson, J. & Bell, S. (2012, November). *Around the world in 6 days: An ecosystem adventure.* Conference for the Advancement of Science Teaching (CAST), Corpus Christi, TX.

Jackson, J. (2012, November). *Vocabulary parades: Words-turned-costumes.* Conference for the Advancement of Science Teaching (CAST), Corpus Christi, TX.

Jackson, J. (2012, November). *Positioning teachers to enact standards-based instruction.* Conference for the Advancement of Science Teaching (CAST), Corpus Christi, TX.

Jackson, J. (2012, August). *Interactive word walls.* Edgewood ISD, San Antonio, TX.

Jackson, J. (2012, March). *Science camp: A STAAR intervention strategy.* Sherman ISD, Sherman, TX.

Jackson, J. (2012, February). *Science camp: A STAAR intervention strategy.* Edgewood ISD, San Antonio, TX.

Henrichs, E., (ST) & Jackson, J. (2011, November). *Science word walls: Interactive and student-generated.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J., Bruner, R., Cruz, A., Hadley, D., Olivarez, M., Sanchez, E. (2011, November). *Around the world in 6 days: An ecosystem adventure.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2011, November). *Positioning Teachers to Enact Standards-based instruction.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2011, November). *Multi-sensory science word walls: Good, better, best.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2011, November). *Science camp: A high stakes test intervention.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2011, November). *Vocabulary parade: Words-turned-costumes.* Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Jackson, J. (2011, August). *Multi-sensory vocabulary instructional strategies and interactive word walls.* Alief Independent School District, Houston, TX.

Jackson, J. (2011, July). *Multi-sensory vocabulary instructional strategies and science word walls.* Killeen Independent School District, Killeen, TX.

Jackson, J., Bruner, R., Cruz, A., Hadley, D., Olivarez, M., Sanchez, E., & Alicea, R. (2010, November). *Around the world in 6 days: An ecosystem adventure.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Henrichs, E. (ST), & Jackson, J. (2010, November). *Science word walls: Interactive and student-generated.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2010, November). *Teaching strategies that enhance and support science vocabulary development.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2010, November). *Science camp: An effective TAKS intervention.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2010, November). *Science success for ELLs in elementary classrooms.* Administrators and Policymakers Institute, Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Jackson, J. (2009, November). *Multi-sensory vocabulary instructional strategies that support English language learners in science.* Administrators and Policymakers Institute, Conference for the Advancement of Science Teaching (CAST), Galveston, TX.

Jackson, J. (2009, November). *Using literature, book talk groups and connection charts to support science instruction.* Conference for the Advancement of Science Teaching (CAST), Galveston, TX.

Jackson, J. (2009, November). *Science camp: An effective TAKS intervention.* Conference for the Advancement of Science Teaching (CAST), Galveston, TX.

Jackson, J. (2009, November). *Supporting English language learners in science class.* Conference for the Advancement of Science Teaching (CAST), Galveston, TX.

Jackson, J. (2008, November). *Multi-sensory vocabulary instructional strategies that support English language learners in science.* Administrators and Policymakers Institute, Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.

3. Consultancies

Science Education Consultant	Liberty Hill ISD Liberty Hill, TX	2025 - present
Science Education Consultant & Author	McGraw Hill K-12 Science Textbooks Columbus, OH	2021 - present
Science Education Consultant	Cy-Fair Independent School District Houston, TX	2017 - present
Science Education Consultant	Katy ISD Katy, TX	2015 - present
Science Education Founder - consultant	Science Toolkit, LLC Round Rock, TX	2012 - present
Science Education Consultant	Round Rock Independent School District, Round Rock, TX	2007 - present
Science Education Consultant	Southwest Independent School District, San Antonio, TX	2014 - 2016
Science Education Consultant	Alief Independent School District Houston, TX	2015 - 2024 2011 - 2012
Science Education Consultant	Edgewood Independent School District, San Antonio, TX	2012 - 2015
Science Education Consultant	Pflugerville Independent School District, Pflugerville, TX	2007 - 2015
Science Education Consultant	GeoFORCE Texas, Jackson School of Geosciences, University of Texas at Austin	2005 - 2014
Science Education Consultant	Austin Independent School District - Pearce Middle School, Austin, TX	2009 - 2010
T-STEM Center Associate	Southeast Regional T-STEM Center, University of Texas Medical Branch at Galveston	2007 - 2008

4. Workshops

Jackson, J. (2024, June). *Claims, Evidence, and Reasoning (CER) and interactive word walls.* Region 7 Educational Service Center, Kilgore, TX.

Jackson, J. (2024, June). *Transform static word walls into interactive teaching tools.* Region 7 Educational Service Center, Kilgore, TX.

Jackson, J. (2020, August). *Interactive word walls for remote instruction.* Science Toolkit science professional development, Virtual.

Jackson, J. (2017, July). *Interactive word walls.* Region 19 Educational Service Center, El Paso, TX.

Jackson, J. (2017, March). *Interactive word walls.* Region 3 Educational Service Center, Victoria, TX.

Jackson, J. (2016, March). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction*. Texas Council for Elementary Science (TCES). Frisco, TX.

Jackson, J. (2015, December). *Interactive word walls: Visual scaffolds that transform content vocabulary instruction*. Rio Grande Valley Science Association (RGVSA), Weslaco, TX.

Jackson, J. (2015, August). *Evidence driven science instruction: Using interactive word walls to construct scientific claims and evidence statements*. Austin Independent School District Science Institute, Austin, TX.

Jackson, J. (2015, August). *Interactive word walls and second language learners.* Plano Independent School District, Plano, TX.

Jackson, J. (2013, November). *Interactive, conceptual word walls: Transforming content vocabulary instruction one word at a time.* Conference for the Advancement of Science Teaching (CAST), Houston, TX.

Bos, B., Gainer, J., Jackson, J., & Ortiz, A. (2013, August). *K-12 Engineering Hands-On Workshops for Elementary Teachers.* El Centro, San Marcos, TX.

Jackson, J. (2012, February). *Science Camp a STAAR intervention strategy.* Pflugerville ISD, Pflugerville, TX.

Jackson, J. (2011, May). *Science Camp a TAKS intervention strategy.* Pflugerville ISD, Pflugerville, TX.

Jackson, J. (2011, March). *Science camp: An effective TAKS intervention.* San Marcos CISD, San Marcos, TX.

Jackson, J. (2011, February). *Positioning science teachers to enact standards-based instruction.* Round Rock ISD Middle School Science Collaborative professional development workshop, Round Rock, TX.

Jackson, J. (2011, January). *Questioning strategies that support and enhance learning in science.* Round Rock ISD Middle School Science Collaborative professional development workshop, Round Rock, TX.

Jackson, J. (2010, March). *Science camp: An effective TAKS intervention.* Round Rock ISD, Pflugerville ISD, and San Marcos CISD, Round Rock, TX.

Jackson, J. (2009, November). *Multi-sensory Vocabulary Instructional Strategies that Support English Language Learners in Science.* Round Rock ISD Middle School Science Collaborative professional development workshop, Round Rock, TX.

Jackson, J. (2009, October). *Geology field experience at McKinney Falls state park.* Round Rock ISD Middle School Science Collaborative professional development workshop, Austin, TX.

Jackson, J. (2008, August). *Science vocabulary and inquiry science in the elementary school classroom*. San Marcos Consolidated School District, San Marcos, TX.

Jackson, J. (2008, June). *Science Institute.* Round Rock Independent School District: Title I schools, Round Rock, TX.

Jackson, J. (2008, February). *Assessment institute.* Presentation at the Southeast Regional T-STEM Center, University of Texas Medical Branch, Galveston, TX.

Jackson, J. (2008, February). *Using children's literature to teach and support science instruction.* Bluebonnet Elementary School professional development workshop, Round Rock, TX.

Jackson, J. (2008, January). *Science vocabulary and science notebooks in the elementary school classroom*. Bluebonnet Elementary School professional development workshop, Round Rock, TX.

Jackson, J. (2008, January). *Science vocabulary and science notebooks in the elementary school classroom*. Robertson Elementary School professional development workshop, Round Rock, TX.

Jackson, J. (2007, September). *Using digital microscopes to teach elementary school science.* Science and technology for English language learners achieving results (STELLAR) professional development workshop, San Marcos, TX.

Jackson, J. (2007, August). *Geology field experience at McKinney Falls state park.* Science and technology for English language learners achieving results (STELLAR) professional development workshop, Austin, TX.

Jackson, J. (2007, August). *Using inquiry science pedagogy, ELL methods and literature connections to teach air and weather.* Science and technology for English language learners achieving results (STELLAR) professional development workshop, San Marcos, TX.

Barrera, R., Guajardo, M., & Jackson, J. (2007, July). *Leadership for change.* Southeast regional T-STEM center professional development workshop, Galveston, TX.

Jackson, J. (2007, May). *Using inquiry science pedagogy, ELL methods and literature connections to teach earth materials.* Science and technology for English language learners achieving results (STELLAR) professional development workshop, San Marcos, TX.

Jackson, J. (2007, April). *Using inquiry science pedagogy, ELL methods and literature connections to teach pebbles, sand and silt.* Science and technology for English language learners achieving results (STELLAR) professional development workshop, San Marcos, TX.

Jackson, J. (2007, March). *Inquiry science and constructivists practices in elementary bilingual science.* Science and technology for English language learners achieving results (STELLAR) professional development workshop, San Marcos, TX.

5. Other Works not in Print

a. Works "submitted" or "under review"

b. Works "in progress"

3 Manuscripts in preparation

c. Other works not in print

Web Based Videos
Interactive Word Walls: CAST 2016 (2016, November). Youtube https://www.youtube.com/watch?v=zuaOjtk9QoM

Science camp model lesson: States of matter, (2011, May). http://www.schooltube.com/video/05d306007a15eefbe073/Copperfield-Academy-Properties-of-Matter

Science camp model lesson: Inherited traits and learned behaviors, (2011, May). http://www.schooltube.com/video/64bdf1c9e0071c543966/Copperfield-Academy-Inherited-Traits-Learned-Behaviors

GeoFORCE, (2008, July). http://www.utexas.edu/oncampus/2008/09/09/geoforce-the-next-generation-of-geoscientists/

C. Scholarly / Creative Grants and Contracts

1. Funded external grants and contracts

Bennett, B. *Creating a Learning Centered Organization*. (2009-2014). *Creating a Learning Centered Organization*. The United States Department of Education: $2,500,000. This 5-year

grant was awarded to Southwest Texas Junior College (SWTJR). The over-arching goal of the *Creating a Learning Centered Organization* grant is to increase the number of Hispanic and other low-income students majoring and attaining degrees in science, technology, engineering, and mathematics (STEM). (Designed grant evaluation and external evaluator 2009)

Bennett, B., Radcliff, D., Snow, E. & Jackson, J. (2008-2010). *Creating a Math and Science Community in Southwest Texas* (CAMSC). The United States Department of Education: $1,700,000. Southwest Texas Junior College (SWTJC) partnered with The University of Texas at Austin (UT), Saul Ross State University - Rio Grande College (RGC) and 21 area public school districts in rural southwest Texas will participate in this Cooperative Arrangement Development Grant for the *Hispanic-Serving Institutions Program College Cost Reduction and Access Act.* The over-arching goal of the CAMSC program is to increase the number of Hispanic and other low-income students majoring and attaining degrees in science, technology, engineering, and mathematics (STEM) and to develop model transfer and articulation agreements in such fields. (Designed grant evaluation and external evaluator 2008 - 2009)

Barrera, R., Werner, P., Radcliffe, R., Jackson, J., De la Colina, M., & Allsup, R. (2006-2008). *Science and technology for English language learners achieving results* (STELLAR). Texas Education Agency: $500,000 with an option to renew (grant writer and science education expert).

Barrera, R., Guajardo, M., & Jackson, J. (2007-2008). *Texas science, technology, engineering, and math (T-STEM) center.* Texas Education Agency: $1.25 million with an option to renew funding up to $5,000,000 (grant writer, T-STEM center associate with science pedagogy, bilingual education, professional development, and curriculum design responsibilities).

2. Submitted but not Funded External Grants and Contracts

Bennett, B., Radcliff, D., Snow, E. & Jackson, J. National Science Foundation Grant, Submitted November 30, 2008. Grant period: 09/01/09 – 08/31/13. Grant Amount: $898,843,
The proposed project will provide access to innovative geosciences courses for impoverished rural and urban areas of Texas at both the college and advanced high school levels. These courses, once proven and in place, can be emulated throughout rural and urban America. The exposure of young minority students to geosciences will result in higher percentages of these students attending college, choosing STEM majors, and choosing Geology majors (designed grant evaluation and external evaluator).

Jackson, J., & Radcliffe, R. (2007). *Refining and validating an inquiry science formative diagnostic assessment tool and cognitive coaching model to improve Spanish bilingual teaching and learning in grades 3-5.* National Science Foundation: $300,000 (grant writer and co-PI).

3. Funded Internal Grants and Contracts

Jackson, J. (2022). *Affordable materials for C&I 2355*. Distance and Extended Learning Affordable Learning Materials Implementation Grant $5,000 (Funded June - October 2022).

Forsythe, M. (Principal) & Jackson, J. (Co-Principal). *Digital science notebooks: Elementary pedagogy for the 21st Century.* Teaching and Learning Technology Innovation Grant (TLTIG), Texas State University, $6,000. (Funded: 2017-2018).

Forsythe, M. (Principal) & Jackson, J. (Co-Principal). *Quasi-experimental study on the impact of reflective video cases on preservice teachers' science instruction.* Research Enhancement Program, Texas State University, $12,000 (Funded 2016-2018).

4. Submitted but not Funded Internal Grants and Contracts

Jackson, J., (2018) *Rising STAARs: Equitable Learning Experiences for Minority Elementary Students.* Texas State University research enhancement grant: $8,000.

Jackson, J., (2009). *An examination of the science –literacy interface in middle school science instruction.* Texas State University research enhancement grant: $8,000.

D. Scholarly/Creative Fellowships, Awards, Honors

Texas State University College Achievement Award for Excellence in Scholarly/Creative Activities (2023).

Texas State University Presidential Distinction Award for Excellence in Scholarship/Creative Activities (2019).

Skoog Cup College Faculty Award (2018) in recognition of significant contributions to and leadership in the development of quality science education. Presented by the Science Teacher Association of Texas and the Texas Tech University Howard Hughes Medical Institute Science Education Program.

Texas State University Presidential Award for Excellence in Scholarly/Creative Activities: College Achievement Award (2009).

F. Media Recognition

Wehring, M. (2021, August 2). Children's books teach STEM lessons. *Hays Free Press.* *https://haysfreepress.com/2021/08/02/childrens-books-teach-stem-lessons/*

Cooper, J. (2021, May 6). Teaching STEM – How "Charlotte's Web" can teach third graders about the engineering process. *San Marcos Daily Record*. https://www.sanmarcosrecord.com/features/teaching-stem-how-%E2%80%98charlotte%E2%80%99s-web%E2%80%99-can-teach-third-graders-about-engineering-process

Trauth, D. M. (2021, May 7). *From the Hill.* Spring VIII. https://mailchi.mp/5c967b33fd21/from-the-hill-14260?e=66fbb842da

Cooper, J. (2021, April 20). Teaching STEM – How "Charlotte's Web" can teach third graders about the engineering process. *Texas State Newsroom.* https://news.txstate.edu/featured-faculty/2021/julie-jackson-engineering-process.html

Granados, M. G. (2021, January 24). *Omaha World-Herald.* How 2 teachers helped research a new way to teach engineering to young students. https://omaha.com/lifestyles/parenting/how-2-teachers-helped-research-a-new-way-to-teach-engineering-to-young-students/article_24a272f2-326f-535b-9f2a-921a9a5d973e.html

Trauth, D. M. (2021, January 20). *From the Hill.* Spring I. https://mailchi.mp/7cec0c6b44af/news-from-the-hill?e=66fbb842da

Granados, M. G. (2021, January 15). *Marietta Daily Journal*. How 2 teachers helped research a new way to teach engineering to young students. https://www.mdjonline.com/tribune/lifestyles/how-2-teachers-helped-research-a-new-way-to-teach-engineering-to-young-students/article_bc1a6b20-9a74-5b17-a6f1-c9b0c007a714.html

Granados, M. G. (2021, January 15). *The Union Democrat*. How 2 teachers helped research a new way to teach engineering to young students. *https://www.uniondemocrat.com/lifestyle/article_2934d51e-57ab-11eb-8981-5fcf87e828fd.html*

Granados, M.G. (2021, January 14). *Dallas Morning News.* GCISD teachers helped research a new way to teach engineering to young students. https://www.dallasnews.com/news/education/2021/01/14/gcisd-teachers-helped-research-a-new-way-to-teach-engineering-to-young-students/

Jackson, J. (December 5, 2020). *Texas State Newsroom*. Teaching through a pandemic. https://news.txstate.edu/featured-faculty/2020/teaching-through-a-pandemic.html

IV. SERVICE

A. Institutional

1. University

Texas Transfer Advisory Committee (TTAC), member	2022 - 2024
Common Experience Committee, member	2018
Outstanding Dissertation Award committee, member	2018
Graduate College scholarship committee, member	2009 - 2016

2. College

College of Education Scholarship Committee, co-chair	2019 - 2020
Cross-departmental scholarship Committee, member	2009 - 2016
James Patterson Scholarship Committee, member	2013 - 2016
Student Teaching Scholarship Committee, member	2012 - 2014
El Centro Little Engineers Summer STEM Camp	2013
Outstanding graduate student review and selection committee, member	2009 - 2010

3. Department/School

Curriculum and Instruction Scholarship Committee, member.	2021 - present
Personnel Committee, member	2012 - present
Graduate Elementary Education Committee, member	2006 - present
Department Academic Review Committee, member	2019 - 2022
Curriculum and Instruction scholarship committee, chair	2009 - 2020
Mentor Round Rock Texas State campus students	2006 - 2020
Annual Review Subcommittee, chair	2019
Annual Review Subcommittee, chair	2018
Faculty Search Committee	2017 -2018
Academic Program Review Committee, member	2017 - 2018
Curriculum and Instruction Mathematics Education, chair	2016 - 2017
Curriculum and Instruction STEM Search Committee, chair	2015 - 2016
Curriculum and Instruction Scholarship Committee, member	2007 - 2008

PBS TeacherLine Committee, member 2007 - 2008

B. Professional

Association of Science Teacher Educators (ASTE) Professional Development Committee, Member 2022 - 2025

National Science Teaching Association (NSTA) and the Space Science Institute (SSI) Solar Eclipse, partner 2023 - 2024

Scobee Education Center Micronaut Dream Team Curriculum Writing Team, Challenger Learning Center, San Antonio, TX 2019 - 2021

Contribution of Digital Media Related to Field 2012 - present
www.thesciencetoolkit.com

Contribution of Digital Media Related to Field 2012 - present
www.facebook.com/thesciencetoolkit/

Contribution of Digital Media Related to Field 2012 - present
www.pinterestthesciencetoolkit

Conference for the Advancement of Science Teaching – volunteer 2016 - present

Prepared and reviewed instructional materials for GeoFORCE teacher Academy field guide. (University of Texas Jackson School of Geosciences) 2013 - 2014

Program session application reviewer. The 6th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2008 2008

Manuscript Reviews: Blind Peer Review of Manuscript (national)

Early Childhood Education Journal. 2010 - present

Book Reviews: Peer Review of Manuscript (national)

Grant, M. C. (2009). *Writing and reading in science.* Thousand Oaks, CA: Corwin Press. p.136.

Charles, C. M. (2008). *Today's best classroom management strategies: Paths to positive discipline*. New York: Pearson. p. 208.

B. Community

Round Rock Independent School District, volunteer	2022 - present
Science Education Professional Development, volunteer Alief ISD	2018 - 2020
Science Education Professional Development, volunteer Anderson Mill Elementary School, Round Rock TX	2017 - 2019
Science Education Professional Development, volunteer Old Town Elementary School, Round Rock TX	2013 - 2018
Science Education Professional Development, volunteer Southwest Elementary School, Belton ISD	2017 - 2018
Science Education Professional Development, volunteer Taylor Middle School, Taylor ISD	2015 - 2016
Advisory group/task force for science improvement Austin Independent School District - member	2011 - 2012
Texas Math and Science Diagnostic System Test Item Reviewer	2010
Texas Mission of Mercy, volunteer	2006

C. Organization Memberships

International Technology and Engineering Educators Association	2018 - present
Texas Science Education Leadership Association	2018 - present
Association of Science Teacher Educators	2018 - present
Science Teacher Association of Texas	2000 - present
National Science Teaching Association	1985 - present
Association of Teachers Educators	2012 - 2013
American Educational Research Association	2007 - 2009