

**Dr. Jamie H. Price**  
Email: pricejh@etsu.edu

## **EDUCATION**

- May 2011**                      **Ph.D., Teacher Education**  
**Concentration: Mathematics Education**  
**The University of Tennessee - Knoxville**  
Dissertation: Exploring the Relationship Between Orpda and  
Teachers' Conceptual Understanding of Place Value  
*Advisors: Dr. Colleen P. Gilrane and Dr. Jo Ann Cady*
- May 2004**                      **M.S., Mathematics**  
**East Tennessee State University**  
Concentration: Graph Theory  
Thesis: Locating and Total Dominating Sets in Trees  
*Advisor: Dr. Teresa Haynes*
- May 2002**                      **B.S., Mathematics**  
**East Tennessee State University**  
Summa Cum Laude Graduate

## **ACADEMIC/TEACHING EXPERIENCE**

**8/2017 – Present**                      **Assistant Professor of Math Education**      **Johnson City, TN**  
**East Tennessee State University**

- Primary responsibilities include teaching 2-3 courses per semester in the area of mathematics education, ranging in size from 5-40 students. Course duties include creating course syllabi, developing associated online course components with each course through D2L, preparing class lesson plans/activities/projects, providing feedback to students through grading, and holding regular office hours
- Additional responsibilities include conducting research to support the field of mathematics education, serving on committees within the department and university, and advising pre-service students within the department

### **Courses Taught:**

- **CUAI 4310: Residency 1: Mathematics**
- **CUAI 5116: Elementary School Mathematics**
- **SCED 5630: Integrated STEM Curriculum Development**

**8/2015 – 5/2017**                      **Assistant Professor of Mathematics**      **Blountville, TN**  
**Northeast State Community College**

- Primary responsibilities include teaching 5 courses per semester in the area of mathematics and mathematics education, ranging in size from 15 – 30 students. Course duties include creating course syllabi, developing associated online course components with each course through D2L, preparing lectures and class activities/projects, writing exams, providing feedback to students through grading, and holding regular office hours
- Additional responsibilities include advising students majoring in accounting, serving on campus committees to represent the mathematics division, and attending all math division meetings

### **Courses Taught:**

- **Math 0530:** Statistics Principles
- **Math 1410:** Foundations of Numerical Concepts
- **Math 1530:** Probability and Statistics, non-Calculus based

8/2013 – 5/2015

**Associate Professor of Mathematics**  
**Milligan College**

**Milligan College, TN**

- Primary responsibilities include teaching 4 courses per semester in the area of mathematics and mathematics education, ranging in size from 5 to 20 students. Course duties include creating course syllabi, developing associated online course components with each course through Angel (course management system), preparing lectures and class activities/projects, writing exams, providing feedback to students through grading, and holding regular office hours
- Additional responsibilities include advising students majoring in mathematics with a minor in teacher education each semester, serving on campus committees to represent the science area, attending monthly campus-wide faculty meetings, and developing reports for institutional effectiveness to address progress within the mathematics area

**Courses Taught:**

- **Math 090:** Math Strategies for College Success
- **Math 107:** Principles of Mathematics
- **Math 111:** College Algebra
- **Math 153:** Fundamental Concepts I
- **Math 213:** Statistics
- **Math 253:** Fundamental Concepts II

8/2006 – 5/2013

**Mathematics Lecturer**  
**East Tennessee State University**

**Johnson City, TN**

- Primary responsibilities include teaching 4-5 courses per semester in the area of mathematics and mathematics education, ranging in size from 15 to 45 students. Course duties include creating course syllabi, developing associated online course components with each course through Desire 2 Learn (course management system), preparing lectures and class activities/projects, writing exams, providing feedback to students through grading, and holding regular office hours.
- Additional responsibilities include advising students majoring in mathematics with a minor in teacher education each semester to ensure students remain on track towards the completion of their degree; recruiting future students by representing the department at fall and spring open houses and contacting students who have expressed interest in pursuing a degree in mathematics at ETSU

**Courses Taught:**

- **Math 1410:** Number Concepts and Algebraic Structures (Required for pre-service elementary education majors)
- **Math 1530:** Probability and Statistics, Non-Calculus Based (integrated with Minitab)
- **Math 1910:** Calculus 1
- **Math 1920:** Calculus 2
- **Math 2810:** Mathematical Reasoning (Logic/Proof Writing course taught online through TNeCampus)
- **Math 4417/5417:** Teaching Secondary Mathematics (Required for undergraduate and graduate level math majors with a minor in teacher education)

## **GRANT ACTIVITIES**

### **Funded (PI)**

*Integrating STEM Hands-On Activities with Math and Reading Common Core Standards* (June 2012 – December 2013), Race to the Top STEM PD Grant, Tennessee Higher Education Commission, USD \$199,437

*Project Description:* Work with 26 K-2 teachers from 5 districts (Kingsport City, Bristol City, Sullivan County, Hawkins County, Greene County) to help them develop STEM-integrated lessons aligned with math and reading Common Core standards; meet with teachers for 5 Saturday professional development meetings along with a 2-week summer institute during the grant period

### **Funded (Co-PI)**

*Reaching for Excellence in Elementary School Mathematics* (Jan.-Dec. 2015), PI: Chih-Che Tai; Co-PIs: Daryl Stephens and Jamie Price, 2015 Improving Teacher Quality Grant Program, Tennessee Higher Education Commission, USD \$75,000

*Project Description:* Work with 20 teachers from grades 3-5 from 4 districts (Hawkins County, Greene County, Bristol City, Kingsport City) to help them develop vertically aligned mathematical tasks aligned with math Common Core standards; lead a 1-week summer institute during the grant period, along with 2 Saturday professional development meetings in the spring and fall

### **Funded (Instructor)**

*Putting the Pieces Together: Literacy, Modeling, and Problem-Solving for Fraction Instruction (Grades 3-5)* (Jan. – Dec. 2015); PI: Lyn Howell, 2015 Improving Teacher Quality Grant Program, Tennessee Higher Education Commission, USD \$63,088

*Project Description:* Work with 40 teachers from grades 3-5 from 5 districts (Carter County, Greene County, Hamblen County, Hawkins County, Johnson City) to help them understand ways to teach fractions combined with literacy components that support the Common Core standards for math and literacy; lead a 1-week summer institute during the grant period, along with 2 Saturday professional development meetings in the spring and fall

## **PROFESSIONAL DEVELOPMENT INVOLVEMENTS**

- **Project-Based Learning** – Professional development designed and delivered August 2018 to prepare 5<sup>th</sup> and 6<sup>th</sup> grade teachers at Church Hill Intermediate School to implement project-based learning in the classroom
- **Project-Based Learning** – Professional development designed and delivered beginning January 2018 to prepare 5<sup>th</sup> and 6<sup>th</sup> grade teachers at Indian Trail Intermediate School to implement project-based learning in the classroom in preparation for the school to obtain a STEM Certified status; Continued follow up work with teachers to continue implementing additional lessons throughout the school year
- **Eastman Scholars MathElites Program** – Joint collaboration with ETSU Center of Excellence in Math and Science and Eastman Chemical Company to provide a two-week professional development summer institute for K-9 teachers in the east Tennessee and southwest Virginia region; curriculum emphasis on innovative ways to teach mathematics aligned with Tennessee State standards for mathematics; instructor for K-2 teachers during summer 2016, instructor for 4<sup>th</sup> and 5<sup>th</sup> grade teachers during summers 2012-2015 and 5<sup>th</sup> and 6<sup>th</sup> grade teachers during summer 2011
- **Martinsville, VA Eastman Scholars MathElites Program** – Extension of the current Eastman Scholars MathElites Program for teachers in the Martinsville City (VA) and Henry County (VA) schools; instructor for K-2 teachers during summer 2016

## **PUBLICATIONS (in one publication my name appears as Howard, J.)**

Cady, J.A., Hopkins, T.M., & **Price, J.** (2014). Impacting early childhood teachers' understanding of the complexities of place value. *Journal of Early Childhood Teacher Education*, 35(1), 79-97.

Haynes, T., Henning, M., **Howard, J.** (2006). Locating and total dominating sets in trees. *Discrete Applied Mathematics*, 154(8), 1293-1300.

Nivens, R.A., **Price, J.**, Lowery, A., Brickell, N., Knupp, K., & Dwyer, E. (in press). Encouraging mathematics and literacy learning through bookmaking. *The Missouri Reader*.

**Price, J.**, Abel, M., Varney, A., & Wexler, D. (in press). Positive energy: Investigating alternative energy use in middle schools. In Moran, R., Robertson, L., Keith, K., & Tai, C. (Eds), *Handbook of research on science literacy integration in classroom environments*. Hershey, PA: IGI Global.

Wilton, N., **Price, J.**, & Dwyer, E. (2018). *Shining a spotlight on developing readers*. Manuscript submitted for publication.

## **PRESENTATIONS**

- Robertson, L., **Price, J.**, & Keith, K. SLICE-MS group. Presentation at the 2018 ETSU STEM Education Conference, Johnson City, TN, June 1, 2018.
- Nivens, R., Robertson, L., & **Price, J.** Pancake engineering. Presentation at the 2018 ETSU STEM Education Conference, Johnson City, TN, June 1, 2018.
- **Price, J.** (2018). Lego simple machine + math. Presentation at the 2018 ETSU STEM Education Conference, Johnson City, TN, May 31, 2018.
- Nivens, R., **Price, J.**, & Davis, G. (2018). 3 act in math tasks. Presentation at the 2018 ETSU STEM Education Conference, Johnson City, TN, May 31, 2018.
- **Price, J.** & Robertson, L. (2017). Project based learning in the middle school classroom: An integration of science, math, and literacy aligned to state standards. Presentation at the Tennessee Science Teachers Association Conference, Murfreesboro, TN. November 10, 2017.
- **Price, J.** (2017). Which one doesn't belong? Presentation at the Upper East Tennessee Council of Teachers of Mathematics, Kingsport, TN. October 24, 2017.
- Nivens, R. A. & **Price, J.** (2017). Investigating the LEMMA curriculum from New Zealand: Graphical antiderivatives. Presentation at the Upper East Tennessee Council of Teachers of Mathematics, Church Hill, TN. August 29, 2017.
- **Price, J.** (2017). All about Osmo. Presentation at the Upper East Tennessee Council of Teachers of Mathematics, Johnson City, TN. March 7, 2017.
- Presenter at All About the iPad Conference – Roane State Community College, Oak Ridge, TN – April 2016
- Presenter at National Science Teachers Association National and Regional Conferences – Chicago, IL, March 2015; Richmond, VA, October 2014; Boston, MA, April 2014; Charlotte, NC, November 2013
- Presenter at the Annual Early Childhood Conference – ETSU, Johnson City, TN, July 2014
- Presenter at the Symposium on Effective Implementation of CCSS and NGSS – Johnson City, TN, December 2013
- Presenter at the National Science Teachers Association (NSTA) Area Conference – Charlotte, NC, November 2013
- Presenter at the East Tennessee Title 1 Conference – Gatlinburg, TN, December 2012
- Presenter at the ETSU Department of Mathematics and Statistics Colloquium – weekly colloquium attended by members of the department along with members from other departments within the university, September 2012

- Presenter at the National Council of Teachers of Mathematics (NCTM) Annual Conference (Research Pre-Session) – Indianapolis, Indiana, April 2011

### **PROFESSIONAL MEMBERSHIPS**

- National Council of Teachers of Mathematics (NCTM)
- Tennessee Mathematics Teachers Association (TMTA)
- Tennessee Science Teachers Association (TSTA)
- Upper East Tennessee Council of Teachers of Mathematics (UETCTM), President-Elect, 2018-2019

### **TECHNOLOGICAL SKILLS**

- Word Processing: Microsoft Office (Word, Excel, Powerpoint)
- Mathematical Software: Minitab, LaTeX
- iPad integration with teaching
- Instructional Based Software: Desire2Learn (D2L), Blackboard, Angel (course management systems), graphing calculator (TI-83, TI-89, TI-92, virtual TI graphing calculator - used for instructional purposes in precalculus/calculus courses)