

Dr. Gwendolyn Johnson

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AREA OF EXPERTISE

My area of expertise is in mathematics education, particularly at the middle-grades level. I teach courses in foundations of education, mathematics methods, and mathematics content. My research interests are related to the use of language to express mathematical ideas.

RECENT PUBLICATIONS

I wrote math activities for preschool children for the book *Learning is in Bloom: Cultivating Explorations*, which won Creative Child magazine's Preferred Choice award in 2016.

I co-authored an article titled "Nature as a Path to Early Math" that appeared in the Jan/Feb 2016 issue of *Exchange* magazine (citation below).

EDUCATION

2010	Ph.D.	Curriculum and Instruction	University of South Florida Emphasis in Mathematics Education
2000	M.B.A.	Business Administration	Bowling Green State University
1993	B.S.	Secondary Education	Bowling Green State University Emphasis in Mathematics

PROFESSIONAL EXPERIENCE

2010-present	University of North Texas at Dallas	Assistant Professor
2004-2010	University of South Florida, Tampa	Graduate Instructor
2003-2004	Life Skills Center, Toledo, OH	High School Math Teacher
2001-2003	Central Academy, Ann Arbor, MI	High School Math Teacher
2000-2001	The Family Learning Center, Toledo, OH	High School Math Teacher
1998-2000	Bowling Green State University	Teaching Assistant, Calculus

PROFESSIONAL CERTIFICATES

Texas Educator Certificate Mathematics (Grades 4-8) expires 2017
Texas Educator Certificate Mathematics (Grades 8-12) expires 2017

PUBLICATIONS

- Johnson, G. & Wilson, R. (2016). Nature as a path to early math. *Exchange*, 227, 52-54.
- Thompson, D. R., Senk, S. L., & Johnson, G. J. (2012). Opportunities to learn reasoning and proof in high school mathematics textbooks. *Journal for Research in Mathematics Education*, 43, 253-295.
- Shappeck, M., Johnson, G., & Shaqlaih, A. (2012). [Review of the book *Improving access to mathematics: Diversity and equity in the classroom*]. *Educational Studies in Mathematics*.
- Johnson, G. (2010). Similar triangles: An investigation. *Mathematics Teaching in the Middle School*, 16, 248.
- Johnson, G. (2010). Making connections between mathematical concepts. *Dimensions in Mathematics*, 30, 23-27.
- Johnson, G., Thompson, D. R., & Senk, S. L. (2010). Proof-related reasoning in high school textbooks. *Mathematics Teacher*, 103, 410-417.
- Johnson, G., & Thompson, D. R. (2009). Reasoning with algebraic contexts. *Mathematics Teaching in the Middle School*, 14, 504-512.
- Johnson, G. (2007). Three models of fractions. *Dimensions in Mathematics*, 27, 46-49.
- Johnson, G. (2006). Using base-10 blocks to investigate square roots. *Dimensions in Mathematics*, 26, 12-13.

WORKS IN PROGRESS

Quebec-Fuentes, S., Jorgensen, T., & Johnson, G. (n.d.). Who teaches mathematics content courses for teachers? An analysis of colleges and universities in Texas.

PROFESSIONAL MEMBERSHIPS

Association of Mathematics Teacher Educators
Association of Mathematics Teacher Educators in Texas
National Council of Teachers of Mathematics
Texas Association of Teacher Educators
Texas Council of Teachers of Mathematics