

Dr. Vicki-Lynn Holmes

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PUBLICATIONS

Book Publications

1. Holmes, V. L., Spence, K., Finn, J. E., & McGee Ingram, S. (2018). Now I Can Understand Algebra!, Algebra One, Series One, pre-algebra New York: North American Linus Publications.
2. Holmes, V. L., Spence, K., Finn, J. E., & McGee Ingram, S. (2017). Now I Can Understand Algebra!, Pre-Algebra Series One, pre-algebra New York: North American Linus Publications.
3. Wilson, V.L. (2017). DING DANG Diversity: Racial insensitivity in a college setting. Blurb Publication. eBook. <http://www.blurb.com/b?ebook=620229>
4. Wilson, V.L. (2008). Suicide...the unpardonable sin? AuthorHouse.

Peer Reviewed Journal Publications

1. Holmes, V.L., Finn, J., Horton, L., & Smith, T. (2018, in print). Factors Impacting the Sociological Construct of Adulthood in Adults with Moderate Intellectual Disabilities: A case study. *Journal of Education & Social Policy*.
2. Holmes, V.L, Spence, K., Finn, J., McGee Ingram, S., & Horton, L. (2018). Foundations to Algebraic Mastery. *World Journal of Educational Research*,5(1), 66-76. <http://dx.doi.org/1022158/wjer.v5n1p66>.
3. Holmes, V. L., Spence, K., Finn, J. E., McGee Ingram, S. & Horton, L. (June 2017). Conquering Worrisome Word Problems – Algebra Success. *International Journal of Learning, Teaching and Educational Research*. 16:6. <http://www.ijlter.org/index.php/ijlter/article/view/946>
4. Finn, J. E., Holmes, V.L., Horton, E. (2016). Successful transition to adulthood: Do we really need to teach shopping, sex and social skills? *Journal of Advances in Educational Research*.
5. Holmes, V. & Hwang, Y. (2016). "Exploring the Effects of Project-Based Learning (PBL) in Secondary Mathematics Education" *The Journal of Educational Research*.
6. Holmes V., and *Kelley M. (2014). "Exploring iBooks: Using iBooks to Enhance Mathematics Instruction." *National Teacher Education Journal*.
7. Finn J., Holmes V., and Johnson R. (Aug 2014). "Living at the Friendship House: Findings from the Transition Planning Inventory." *World Journal of Educational Research*. 2.1 Web.

8. Holmes V., *Miedema C., *Nieuwkoop L., and *Haugen N. (2013). "Data-Driven Intervention: Correcting mathematics students' misconceptions, not mistakes." *The Mathematics Educator*. 32:1 Web.
9. Holmes V., Finn J., *Blower M., and *Chavarria N. (Fall 2013). "Impact of the Michigan Merit Curriculum in Mathematics: Are teachers ready to instruct at-risk and special needs students?" *The Charter Schools Resource Journal*. 1.
10. Holmes V., Hwang Y., *Filcik A., *Bosch K., *Haugen N., and *Pederson S. (2013). "A Longitudinal Study Investigating the Effects of the PBL Approach in Secondary Mathematics Education." *American Educational Research Association Proceedings*.
11. Tretter T. R., Brown S. L., Bush W. S., Saderholm J. C., and Holmes, V. (2013). Valid and Reliable Science Content Assessments for Science Teachers. *Journal of Science Teacher Education*, 24.2: 269-295. doi: 10.1007/s10972-012-9299-7
12. Holmes V., and Hwang Y. (2012). Learning (PBL) Approach on the Achievement and Efficacy of High School Mathematics Students: A longitudinal study investigating the effects of the PBL approach in mathematics education. *National Conferences on Undergraduate Research Proceedings*.
13. Holmes V. (2012). Depth of Teachers' Knowledge: Frameworks for teachers' knowledge of mathematics. *Journal of STEM Education*. 13.1: 55-71
14. Holmes V., and Finn J. (2011). Are Mathematics Teachers Qualified? Perceptions of educators concerning the instruction of the Michigan merit curriculum In globalizing curriculum across university disciplines. *Midwest Regional Comparative and International Education*. Ypsilanti: 96-102.
15. Tittle N.L., VanderStoep J., Holmes V., *Quisenberry B., and Swanson T. (2011). "Development and Assessment of a Preliminary Randomization-based Introductory Statistics Curriculum" *Journal of Statistics Education*. Volume 19.1: 25
16. Holmes, V. (2011). Standardizing the Inquiry Lesson: Improving the Caliber of Science Inquiry. *Electronic Journal of Literacy through Science*. 10. Web
17. Holmes, V. (2009). The Relationship between Types of Teachers' Mathematics Knowledge and Their Pedagogical Content Knowledge of Whole and Rational Numbers. ICERI, Web.
18. Wilson (Holmes), V. (2009). The Relationship between Types of Teachers' Mathematics Knowledge and Their Pedagogical Content Knowledge of Whole and Rational numbers (Unpublished doctoral dissertation). University of Louisville, Louisville, KY.

[Note asterisks (*) indicate the co-author was an undergraduate student]

PAPERS PRESENTED & INVITED ADDRESSES

I have presented papers and been invited to address conferences both locally and nationally, such as the Michigan Council of Teachers of Mathematics, The National Council on Undergraduate Research (NCUR), The Michigan Council for Exceptional Children, The National Council of Teachers of Mathematics, The Michigan MATYC, The Michigan Space Grant Consortium, the Regional Data Initiative Symposium for the Department of Education, the Celebration of Undergraduate Research and Creative Performances, and the Michigan Academy of Science, Arts and Letters.

ADDITIONAL INFORMATION

Funded Grants

2019 W.K. Kelloggs Foundation planning grant. Grand rapids African American Health Institute (GRAAHI) for the "Pathways to Careers in Healthcare" to promote health care parity in the Grand Rapids community for African American and Latinx students via advocacy, education and research. This is a partnership grant with 7 colleges and universities. Vanessa Greene (Hope Lead Investigator) with Vicki-Lynn Holmes, lead statistician, \$400,000.

2013 Yooyeun Hwang & Vicki-Lynn Holmes. Project-Based Learning for Secondary Mathematics Students. Carl Frost Center for Social Science Research, \$2,000

2012-2013 Vicki-Lynn Holmes. Assessment of Scientific Knowledge (TASK): A Program Evaluation of the Hope College Watershed Science. Workshops and Academies, Michigan Space Grant Consortium, \$10,000

2011 Vicki-Lynn Holmes – Linking Increased Teachers’ Pedagogical Content Knowledge and Conceptual Understanding of Algebra I Functions to Student Achievement, Teacher Training award. Michigan Space Grant Consortium, \$5,000

2010 Teaching Algebra Concepts Through Technology (TACT2). Teacher Training award. Michigan Space Grant Consortium, 10,000

2009-2011 Michael Rohwer, Kyle Mayer, Kent Consortium, & Vicki-Lynn Holmes. Regional Data Initiatives Grant. Michigan Department of Education, \$50,000

2011 Grant writing team: Vicki-Lynn Holmes, Jeanne Petit, Deb Swanson, Steve Bouma-Prediger, & Carol Simon. Lilly Fellows Program in humanities and the Arts, \$12,000

