Jeffrey J. Wanko, Ph.D.
Associate Professor, Department of Teacher Education, Miami University

Office: 406A McGuffey Hall - Miami University - Oxford, OH 45056 - (513)529-6457

Educational History

Ph.D. Michigan State University, Curriculum, Teaching, and Educational Policy - 2000
M.A.T. Miami University, Mathematics - 1993
B.S. Miami University, Secondary Mathematics Education – 1988

Selected Publications

Wanko, J. J. (2010). Deductive puzzling. *Mathematics Teaching in the Middle School*, 15(9), 524-532.
Wanko, J. J. (2009). Japanese logic puzzles and proof. *Mathematics Teacher*, 103(4), 266-271.
Wanko, J. J. (2009). The infinite hotel. *Mathematics Teacher*, 102(7), 498-503.
Wanko, J. J. (2008). Mathematical poetry. *Ohio Journal of School Mathematics, 57*(Spring), 25-31.
Wanko, J. J. (2007). The internet: Problem solving friend or foe?. Mathematics Teacher, *100*(6), 402-407.
Wanko, J. J. (2005). Tapping Into Trapezoids. Mathematics Teacher, 99(3), 190-195.
Wanko, J. J. (2005). Giving Exponential Functions a Fair Shake. Mathematics Teaching in the Middle School, 11(3), 118-124.
Wanko, J. J. (2005). The Legacy of Marin Mersenne: The Search for Primal Order and the Mentoring of Young Minds. Mathematics Teacher, 98(8), 525-529.
Wanko, J. J., Keiser-Krumpe, J., Johnson, I. D., & Stonewater, J. K. (2005). The Middle Childhood Mathematics Inquiry Learning Project. In S. Meiring (Ed.) The Story of SUSTAIN: Models of Institutional Change. Ohio Resource Center.
Lappan, G. T. & Wanko, J. J. (2003). The Changing Roles and Priorities of the Federal Government in Mathematics Education in the United States. In G. M. A. Stanic & J. Kilpatrick (Eds.) A History of School Mathematics. Reston, Va.: National Council of Teachers of Mathematics.
Wanko, J. J. & Venable, C. H. (2002). Investigating Prime Numbers and the Great Internet Mersenne Prime Search. Mathematics Teaching in the Middle School, 8(2), 70-76.

Selected Presentations

Wanko, J. J. (2009, May). Talking Points: Building Deductive Reasoning Through Puzzle Discussions. Presentation at the ICMI Study 19 (Proof and Proving in Mathematics Education) of the International Commission on Mathematics Education (ICMI), Taipei, Taiwan.
Wanko, J. J. (2008, October). The Cereal Box Problem: A Collector's Dilemma. Presentation at the Central Regional Conference of the NCTM and Annual Conference of the Ohio Council of Teachers of Mathematics (OCTM), Cleveland, OH.
Wanko, J. J. (2008, April). Farther Beyond Sudoku: Using New Puzzles to Develop Students' Logical-Thinking Skills. Presentation at the Annual Meeting of the NCTM, Salt Lake City, UT.
Nafziger, A. & Wanko, J. J. (2008, April). What Do Mathematicians Really Do? Introducing High School Students to the Work of Mathematicians. Presentation at the Annual Meeting of the NCTM, Salt Lake City, UT.
Wanko, J. J. (2007, March). Beyond Sudoku: Using Puzzles to Develop Students' Logical-Thinking Skills. Presentation at the Annual Meeting of the NCTM, Atlanta, GA.
Wanko, J. (2004, July). Mathematics as Underlying Structure in the Arts: A Capstone Course for Preservice Teachers. Presentation with Topic Study Group 21: Relations Between Mathematics and Other Subjects of Art and Science at the 2004 Tenth International Congress on Mathematical Education—Copenhagen, Denmark.
Wanko, J., Johnson, I., Keiser-Krumpe, J., & Stonewater, J. (2003, April). Inquiry Learning for Preservice Middle School Mathematics Teachers. Research Presentation at the Research Presession at the Annual Conference for the NCTM, San Antonio, TX.

Selected Grants

Using TI nSpire Handhelds with Preservice Teachers, $4500 worth of graphing calculators. Texas Instruments; Project Director. 2008.
Reaching Academic Mathematics Proficiency 2 (RAMP 2), $98,559. Discovery Center, Miami University; Project Director. In collaboration with the Hamilton City School District. 2005-2006.
Reaching Academic Mathematics Proficiency (RAMP), $122,266. Ohio Board of Regents (OBOR) Improving Teacher Quality Professional Development Program; Project Director. In collaboration with the Hamilton City School District. 2004-2005.
Middle Childhood Mathematics Inquiry Learning Project, $17,937. Ohio Board of Regents (OBOR) Project SUSTAIN; Principal Investigator; Co-PI's: Iris Johnson (Department of Teacher Education, Miami University), Jane Keiser and Jerry Stonewater (Department of Mathematics and Statistics, Miami University). 2001-2003.
Middle Childhood Mathematics Inquiry Learning Project, $90,000. Ohio Board of Regents (OBOR) Project SUSTAIN; Principal Investigator; Co-PI's: Iris Johnson (Department of Teacher Education, Miami University), Jane Keiser and Jerry Stonewater (Department of Mathematics and Statistics, Miami University). 2001-2003.