

Program Author



Workshop/Presentation Topics

- Implementing the Standards for Mathematical Practice
- Teaching and Assessing Basic Fact Fluency
- Foundations for Understanding Fractions
- Teaching Fraction Operations with Meaning
- Mathematics Coaching to Support CCSS Implementation
- Algebraic Thinking in Elementary School
- Supporting ELLs in Mathematics Classrooms
- Research-Based Strategies for Developing Procedural Fluency

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Jennifer M. Bay-Williams

Professor, Mathematics Education University of Louisville (KY)

Jennifer M. Bay-Williams is a professor of mathematics education at the University of Louisville (Kentucky). She taught elementary, middle, and high school in the U.S. and Peru, and continues to work in classrooms at all levels with both students and teachers all over the world (India, Egypt, Ecuador, Peru, Brazil, etc.), regularly providing professional development on effective teaching practices and implementation of the Mathematical Practices. She is a national leader in mathematics education, served as a Member of the National Council of Teachers of Mathematics (NCTM) Board of Directors, and as president of the Association of Mathematics Teacher Educators (AMTE) and the TODOS: Equity for All Board of Directors.

Dr. Bay-Williams is a prolific writer, having authored and coauthored over a dozen books focused on teaching and learning in mathematics education. Her Savvas books include *Mathematics Coaching: Resources and Tools for Coaches and Leaders, K-12; Elementary and Middle School: Teaching Developmentally*, and the *Teaching Student Centered Mathematics* grade-band books (PreK-2, Gr.3-5, Gr.6-8), 2nd edition. Other books include: *Developing Essential Understanding of Addition and Subtraction for Teaching Mathematics in Pre-K–Grade 2*, *On the Money: Math Activities to Build Financial Literacy (2-book series)*, *Math & Literature: Grades 6-8* and *Math & Nonfiction: Grades 9-12*. She has been a frequent contributor to the NCTM journals and yearbooks as an author and editor. In addition, she is a popular speaker, frequently presenting at state, regional, and national events addressing ways to ensure all children have access to high quality mathematics learning.

Her excellence in teaching and leading has been recognized through honors, including the Kentucky Council of Teachers of Mathematics (KCTM) Mathematics Education Service and Achievement (M.E.S.A.) Award, University of Missouri Citation of Merit for Outstanding Achievement and Meritorious Service, and four outstanding University teaching awards. She is an author of **enVision** Mathematics.