

Kate Kline received her doctorate in 1994 from the School of Education at the University of Michigan. She has been a visiting faculty member at the University of Michigan and an Assistant Professor in the Mathematics Department at Eastern Washington University before joining the faculty in the Department of Mathematics at Western Michigan University in 1997. She currently teaches undergraduate courses in mathematics and mathematics education to preservice elementary teachers as well as graduate courses in mathematics education. She has had several years teaching experiences at the preschool and elementary school levels and continues to be involved with local school districts through research and professional development.

Kate's research focus is on elementary school teachers' implementation of curriculum programs that support learning mathematics with understanding. She is interested in identifying and analyzing what it is teachers need to know in order to engage with children's thinking as well as the challenges they face in doing so.

From 1997-2001, she co-directed *Renewing Mathematics Teaching Through Curriculum (RMTC)*, a National Science Foundation (NSF)-funded professional development program for middle school and high school teachers. In addition, from 1999-2003 she co-directed *Implementing Investigations in Mathematics (InMath)*, a professional development program for elementary school teachers, also funded by the NSF. In both projects, teachers received over 100 hours of professional development and a cadre of teacher-leaders were developed, many of whom remain active leaders in mathematics education today.

Since 2003, she has been a member of the Center for the Study of Mathematics Curriculum, which is supported by the NSF Center for Teaching and Learning Program, and she is lead liaison with Kalamazoo Public Schools, the partner school district in the project.