



Preparing Teachers with a Focus on Equity in Mathematics Teaching and Learning

**Amy Roth McDuffie, Professor, Mathematics Education,
Washington State University (USA)
10 December 2024 at 11:30 a.m., ZLB, Porzellangasse 4, SR 4**

In recent decades, many countries have experienced an increase in the number of students with diverse cultural, linguistic, and/or racial-ethnic backgrounds. This diversity can be an asset to teaching and learning; yet teachers are often not prepared to meet all students' learning needs. Teachers need support in developing equitable teaching practices. This problem is amplified in mathematics due to a common misperception that mathematics is language- and culture-free. The presentation will include a discussion of past and current research projects aimed at preparing teachers to support diverse students' learning through equitable practices. The focus will be on mathematics teaching and learning; however, the ideas and approaches extend to other content areas.

Dr. Amy Roth McDuffie is a professor of mathematics education at Washington State University. She teaches prospective and practicing teachers and conducts research on teachers' professional development in mathematics education. Specifically, she focuses on supporting teachers' learning in and from practice with attention to teachers' use of curriculum resources and equitable pedagogies. She has served as a principal investigator on four multi-year projects funded by the United States National Science Foundation. She has published in multiple journals focused on teaching generally or within mathematics education. Before pursuing her Ph.D., Dr. Roth McDuffie taught mathematics at the high school level.

