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Carnegie's Community College Pathways: Instruction supporting productive struggle and student persistence in developmental mathematics classrooms.

The Community College Pathways (CCP) project is a systemic reform effort to improve learning, achievement, and retention outcomes for developmental mathematics students in community colleges nationwide. This presentation focuses on the research underlying the learning frameworks that inform CCP's curriculum and pedagogy and reports on how the CCP instructional system integrates supports for powerful mathematics learning with non-cognitive supports targeting growth mindset, social belonging, and persistence. We will also discuss how the CCP project employs an improvement science research paradigm to drive growth in student and faculty outcomes and continuous learning about effective processes and practices for professional development. (Received September 18, 2015)