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G Michael Guy* (michael@gmichaelguy.com), 222-05 56th Ave, Department of Mathematics & Computer Science, Bayside, NY 10022. *Accelerating Developmental Mathematics by Contextualizing Prerequisites into a Single Course using Problem-Solving (for STEM, too!)*.

Faculty representatives from two-year and four-year colleges at the City University of New York (CUNY) drafted Elementary Algebra Learning Objectives and an accompanying CUNY Elementary Algebra Final Exam required of all developmental mathematics students across CUNY. Building on this faculty-led work, Queensborough Community College strengthened its existing developmental mathematics reform and created a more effective pathway for students. At one point, the department had four developmental mathematics courses, but all courses have now been replaced by a single semester Elementary Algebra course. This course supports both STEM and non-STEM students. We discuss how we have contextualized former prerequisite courses into a single course with improved pedagogy including guided problem solving. We will share quasi-experimental analysis of several semesters' results, and suggest future directions for improvement. This is joint work with Karan Puri and Jonathan Cornick. (Received September 03, 2014)