

Professional development for prospective teachers in early mathematics education
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Prospective teachers at the post-secondary level can benefit from intensive training in early mathematics education. Our project involves developing and evaluating materials that faculty members can use in various courses related to this topic. Depending on their needs, faculty may use some or all of the materials in the higher education classroom and/or on the Internet. The materials include not only traditional course syllabi, but also training in the clinical interview method; video based "stories" about children's mathematical thinking; exercises in analyzing videos of children's behavior and problem solving and using the results to guide teaching; exercises in interpreting and learning from videos of teaching; guidance for faculty on the pedagogy of analyzing videos in the higher education classroom; explanations of the mathematics; and vignettes of prospective teachers' attitudes, anxieties and experiences in studying early mathematics education. We invite colleagues to share our materials and collaborate in our efforts.