

1067-97-1557

Virginia L Keen* (keenvirl@notes.udayton.edu), 300 College Park Dr, Dayton, OH
45469-2316. *Connecting Mathematics Learning with Teaching.*

As a way to connect preservice early childhood teachers' and intervention specialists' learning of meaningful mathematics to their future teaching, a partnership was developed between the students in mathematics courses designed for PreK - grade 8 mathematics preservice teachers and children in local PreK-8 schools. Assignments for preservice teachers that supply evidence of their understanding of mathematics were created to include experience with urban first and second graders. Preservice teachers are paired with children and asked to write two letters that include mathematical questions for the children to investigate with their classmates and family members. Then, each preservice teacher creates a mathematically rich children's book for their "pen pal". Students are to write books with accompanying notes to the reader, grounding the book in theory and connecting it to state standards. This session includes an explanation of the communication between the preservice teachers and the school children, a description of the assignments, examples of the books and notes created, and a discussion of the benefits of the project for the college students as well as for the children and teachers in the local schools. (Received September 21, 2010)