

CHILDREN'S LITERATURE FOR MATHEMATICAL PROFICIENCY

Andrea L. Wright, Early Childhood and Special Education

Sponsor Faculty: Dr. Lucia Lu, Early Childhood and Special Education

Most children in Special Education are not interested in mathematics. The problem will soon go beyond the score in math, and the loss of global competition in the near future. My research is to activate children's interest and potentials in math through children literature, and implement "critical literacy" into math instruction by embedding math concepts into children's daily life. A great many books both fiction and nonfiction are wonderful for providing meaningful connections to the contents of math like number & operation, pattern & algebra, geometry & spatial sense, measurement, data analysis & probability, etc. The criteria for children's literature for math are mathematical integrity with the NCTM Principles and state standards, the potential for varied response, the aesthetic dimension, and the inclusion of diversity because math is itself the universal language. I will integrate literacy skills like reading, writing, drawing, and discussion in my math class.