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Mary D Beisiegel* (mdb5@ualberta.ca), Department of Secondary Education, 341 Education South, Edmonton, Alberta T6G 2G5, Canada. *Using the Math Fair to Connect Mathematics Curricula and Teaching Experience.*

At the University of Alberta, in the mathematics course for pre-service mathematics teachers, the Math Fair is used as a way to connect post-secondary mathematics curriculum with the mathematics they will be teaching as well as to experiences working with children and mathematics. The Math Fair experience enlivens the mathematics they are learning in post-secondary education and promotes long-lasting learning and understanding of mathematics. In this session, I will provide the rationale for using the Math Fair in university classrooms for pre-service mathematics teachers as well as the fundamental principles of the Math Fair. I will describe the logistics of the Math Fair and the role of the pre-service teachers in this project. I will provide examples of student work in this project along with assignments that promote connections between mathematics curriculum in higher education to the mathematics curriculum they will eventually teach. Finally, I will share how the Math Fair has been taken into all levels of mathematics classrooms throughout Alberta. (Received September 10, 2007)