

1114-97-151

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The concept of the Fullerton Mathematical Circle is inspired from similar activities done in Central Europe over the last century with Universities offering enrichment programs to interested young gifted mathematicians. The project consists of offering mathematical sessions for gifted middle school and high school students. Most of the events are facilitated by the pre-service teachers studying in our program at Cal State Fullerton. We will illustrate the content of these sessions and describe how beneficial this model is for our pre-service teachers' development. We will show how our sessions inspired published works (e.g. Kelly A. Hartmann's book review to {*Mathematics Circle Diaries, Year 1: Complete Curriculum for Grade 5 to 7 By Anna Burago*}, *The Mathematical Intelligencer, September 2014*) and how this model could be replicated in other academic programs. (Received August 23, 2015)