

1118-97-199

Juliana V. Belding* (juliana.belding@bc.edu), MA. *Math immersion for teachers in a math-science partnership: increasing connections to classroom practice*. Preliminary report.

In this talk, I will discuss my work with other mathematicians and math educators in the DeBT-M Math-Science Partnership, the goal of which is increasing high-quality mathematics learning experiences for all secondary students in Pittsburgh Public Schools.

After giving a brief overview of the MSP, I will talk about the three-week math immersion experience and the tension between a focus on doing mathematics and making connections to curriculum and classroom practice.

In particular, I will address how and why we've evolved toward more explicit modeling of instructional practices by mathematician facilitators while maintaining the mathematical content outside the curriculum (e.g.: in number theory and combinatorics). I'll end with possible take-aways for similar collaborations. (Received January 31, 2016)