1086-M1-480 **Cynthia Anhalt*** (canhalt@math.arizona.edu), Department of Mathematics, The University of Arizona, 617 N. Santa Rita Ave., Tucson, AZ 85721, and **Taliesin Sutton**. *Using the Intel Math Course to Train and Support K-8 Mathematics Specialists.* Preliminary report.

Intel Math curriculum is a popular means to create and further educate mathematics specialists in K-8 schools. This talk is based on our experiences teaching the Intel Math Course to over 200 K-8 teachers and administrators across 6 school districts in Southern Arizona. We will discuss our experiences in these workshops, focusing our attention on (1) how teachers interacted around the mathematics and (2) how the participants within each cohort supported one another's thinking about mathematics and mathematics pedagogy. The Intel Math course is a content-intensive professional development adapted from the curriculum developed by Kenneth Gross, Professor of Mathematics and Education at the University of Vermont. The course is 80 hours of professional development in mathematics co-instructed by a mathematician and a mathematics educator. Topics covered are integer arithmetic, the decimal number system, place value, rational number arithmetic, rates, linear equations, and functions. In addition to increasing teacher content knowledge, this course provided a space to support and facilitate a conversation about mathematical content and pedagogy among teachers, teacher leaders, and (in some cases) administration both within and across schools. (Received September 04, 2012)