

1116-97-1141      **Jeanette R Palmiter\*** (palmiter@pdx.edu). *Portland State University's Masters of Science in Mathematics for Teachers Program.*

Begun in the 1980s, the Masters of Science in Mathematics for Teachers (MS-MTCH) in the F.M. Mathematics and Statistics Department at Portland State University is designed for mathematics teachers interested in deepening their understanding of mathematics to enrich their teaching. Participants are looking to become qualified to teach dual-credit courses. The eight core courses are Topics in Probability, Statistics, Geometry, Algebra, Analysis, History of Math, Discrete Math, and Computing for Math Teachers.

The philosophy of the MS-MTCH program is to provide exemplary teaching, curriculum, and models based on educational research. Classes are activity-based using collaborative learning with heavy use of technology, visual aids and manipulatives. Three education electives are taught by Math Educators in our School of Education. A unique Intern/Mentorship Program, similar to a student-teaching experience, pairs teachers with university faculty in dual-credit courses such as Pre-Calculus, Calculus, Probability and Statistics, and Discrete Math. The program culminates with a research paper and public presentation. (Received September 17, 2015)