

Meeting: 1003, Atlanta, Georgia, MAA CP W1, MAA Session on In-Service Training Programs For K–12 Mathematics Teachers

1003-W1-220 **Martha VanCleave*** (mvcleave@linfield.edu), Mathematics Department, Linfield College, 900 SE Baker, #A468, McMinnville, OR 97128, and **Michael Boardman** (boardman@pacificu.edu), Department of Mathematics & Computer Science, Pacific University, 2043 College Way, Forest Grove, OR 97116. *Summer Institute on Probability and Statistics for Middle-grades Teachers - A Report on an ESEA Title IIB MSP Grant Project.* Preliminary report.

Through a partnership between higher education mathematics and education faculty, school district administration, educational service district administration and the state Department of Education, a two-week summer institute for fifth through eighth grade teachers including self-contained classroom teachers, middle school math teachers, special education teachers and English Language Learners teachers on probability and statistics with algebraic relationships was held during the summer of 2004. During the 2004-2005 school year teachers involved in the institute will work in lesson study teams to develop "research" lessons designed to improve student understanding of selected concepts in probability and statistics. This preliminary report will discuss the highlights of the institute; what was learned, what will be done again, and what will be changed before the institute is repeated. An overview of the first round of "research" lessons presented by the institute teachers will also be presented including a summary of the role of the higher education mathematics faculty in the lesson development and implementation. (Received August 30, 2004)