

1096-VP-1183      **Dywayne A Nicely\*** (nicely@ohio.edu). *A Word on Word Problems: How Improving Reading Comprehension and Mathematics Vocabulary Can Improve Performance on Mathematical Word Problems.*

Many students declare that they are incapable of solving word problems or show displeasure when word problems are encountered. In recent years, there have been studies that show a correlation between reading comprehension skills and performance on word problems in mathematics courses. Therefore, we conducted a research project during the 2012-2013 academic year that aimed to help students increase their reading comprehension skills, mathematical vocabulary and enhance their word problem solving strategies. Our hope was to increase the students' performance on word problems in their mathematics courses but we also hoped to make each student more college-ready. This project was collaboration between Ohio University-Chillicothe (OUC) and Chillicothe High School (CHS). Including me, the project contributors consisted of the principal of CHS, and one faculty member each from the English and Mathematics departments of CHS. We tracked the progress of approximately 125 students from four sections of Algebra II and two sections of Honors Pre-calculus. At last year's JMM, we discussed an overview of the project's design and presented data that has been collected thus far. In this presentation, we will give a final report from the data collected and share our positive results. (Received September 13, 2013)