

Department of Mathematics and Statistics Colloquium

*The Impact of Problem-Solving Discussions on
Students' use of Heuristics when Problem Solving*

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Abstract: This mixed-methods study investigated the impact of daily problem-solving discussions on fifth-grade students' use of heuristics when problem-solving. The sample contained five teachers and 74 students from three schools in a Mid-Atlantic State. The results suggest that daily use of problem-solving discussions impact students' use of heuristics in class, but that these outcomes may not transfer to test-taking environments. These results add to a growing base of literature on how to teach problem-solving in elementary schools.

Wednesday, March 25 at 3:30 pm in Moody 202