

1125-97-1335

**PJ Couch\***, P.O. Box 10047, Beaumont, TX 77710, and **Braxton Carrigan, Steven Clontz** and **Zachary Sarver**. *Mathematical Puzzle Programs: Connecting with Students Using Puzzles and Games*.

**Mathematical Puzzle Programs** (MaPP) designs annual team-based problem-solving competitions for secondary students, available at no cost for colleges and universities to print and run at their own campus. Our goal is to challenge students to use discovery-based methods for solving mathematical problems while giving them experience with mathematics beyond the usual curriculum.

Based upon local outreach events developed at Auburn University and Lamar University, the MaPP High School Challenge '17 will be hosted by several universities and math camps in the United States and Japan during the 2016-17 school year. This year also debuted MaPP's first Middle School Challenge, hosted at Lamar University in November.

In this talk, we hope to give you a feel for the types of puzzles students encounter during our events, as well as provide information on how you can download MaPP's free open-source resources or host a MaPP event at your own campus. (Received September 16, 2016)