

**Mary Margaret and Robert M. Capraro** (Aggie STEM at Texas A&M University)

**Linking Universities and Schools to promote STEM teaching and learning, what are the lessons from the United States?**

**Abstract**

Mary Margaret and Robert M. Capraro from Aggie STEM at Texas A&M University will discuss how STEM research and university partnerships can promote both formal and informal STEM learning. Aggie STEM's services have spread their reach to public and charter schools across Texas, the United States, and internationally. Aggie STEM is dedicated to providing educators with research-based tools necessary for advancements in STEM. They work with teachers and schools to achieve these goals primarily through professional development activities involving STEM Project-Based Learning, Professional Learning Communities, strategies to improve high stakes test scores, awareness of STEM careers, and integration of the latest technologies face-to-face and online. Aggie STEM conducts numerous summer camps each year for middle and high school students to increase their interest and awareness of STEM topics and careers.

Dr. Mary Margaret Capraro is a Professor of Mathematics Education in the Department of Teaching, Learning and Culture at Texas A&M University.

Robert M. Capraro, is Co-Director of the Aggie STEM Center and Professor Mathematics Education in the Department of Teaching Learning and Culture at Texas A&M University.