PROMiSE addresses the need to improve the learning and teaching of mathematics and science among students through professional development. PROMiSE is a three-year partnership among:

- Florida State University
- University of Florida
- University of South Florida
- Seminole County
- Miami-Dade County
- Hillsborough County
- Duval County

Four Large School Districts

- Panhandle Area Educational Consortium
- Heartland Educational Consortium

Three Educational Consortia

- Horizon Research, Inc.
- Florida Virtual School

$22 million — 3 Years

- Algebra (Middle & High School Teachers)
- Geometry & Measurement (Teachers of Grades 3-8)
- Rational Number & Proportional Reasoning (Teachers of Grades 3-8)
- Scientific Theories (Teachers of Grades 6-12)
- Force & Motion (Teachers of Grades 6-12)
- Matter and Energy (Teachers of Grades K-8)
- Earth/Space Science (Teachers of Grades 6-12)

Four days of follow-up professional development (in-person or online) were presented each year. Teachers were encouraged to engage in research-based activities that helped extend their understanding of mathematics and science content. Indicators of Success

- All Institutes showed a statistically significant gain in teacher content knowledge (see figure 1, 2, and 3 below).
- The project succeeded in its efforts to engage (middle & high school) math and science teachers in the summer institutes. They were previously featured in leading the sessions observed and for the most part, interested well with the participants in their role as content expert.
- Teachers in focus groups were especially positive when activities were varied and changed throughout the day and week, and when the activities were relevant and real to the classroom.
- Overall, the activities were well-received and felt to be the most engaging.
- Overall, the facilitators were effective in creating an appropriate climate for learning in the sessions, and the treatment of the content was generally rated as appropriate.
- Participants of the design/delivery teams praised important roles in the sessions observed (presenting to the group, facilitating activities, providing support for the participants and other facilitators).