



## **Rice University School Mathematics Project**

**Fall Semester, 2017**

### **Investigating Proportional Reasoning in the Middle Grades**

Tuesdays: October 10, 17, 24, and 31

5:00 p.m. - 7:00 p.m. in the RUSMP classroom, 5615 Kirby Drive, Suite 300

This course is designed for middle school mathematics teachers who are seeking a strong foundation in proportional reasoning with emphasis on models, multiple representations, and symbolic reasoning. Concepts are aligned with the Texas Essential Knowledge and Skills.

- Ratios and proportions
- Multiplicative reasoning and scale
- Proportional and non-proportional situations
- Tools for problem solving
- Use of manipulatives and technology to explore proportional reasoning

Each teacher will receive course materials and professional development credit.

**Enrollment is limited.**

**For information and a link to the online application, please visit the RUSMP web site at <http://rusmp.rice.edu> or contact:**

Dr. Anne Papakonstantinou  
RUSMP Director  
713-348-6076  
713-348-5428 (fax)  
<http://rusmp.rice.edu>