

# HIGH SCHOOL MATH PROFESSIONAL DEVELOPMENT

Preparing teachers to  
implement AZ's College &  
Career Readiness Standards  
with  
**RIGOR, FOCUS, & COHERENCE**



Who:

- ◆ **Middle & High School** teachers who teach HIGH SCHOOL-LEVEL MATH courses

When:

- ◆ 5 Day Summer Institute June 2– 6 2014
- ◆ September 13-14, 2014
- ◆ November 15– 16 , 2014
- ◆ January 24–25, 2015
- ◆ March 28-29, 2015

Benefits:

- ◆ 80 hours of face-to-face Professional Development , designed to build teacher content knowledge in high school mathematics, College & Career Readiness Standards implementation, & Mathematical Practice Standards
- ◆ 24 hours in formative assessments design, implementation, and analysis
- ◆ **\$2,400 Stipend**
- ◆ Opportunity to purchase 6 graduate credit hours for less than \$160 per credit hour
- ◆ Professional Development Materials

This secondary mathematics project is designed to build teacher engagement with, understanding of, and implementation of Standards of Mathematical Practice and regular use of formative assessment as a tool to guide instruction through an in-depth conceptual focus built around the secondary Algebra and Functions strands of ACCR-M Standards.

***Content development will focus on:***

- Conceptual understanding & application of expressions, equations and inequalities as groundwork that leads to conceptual explorations and investigations of functions and modeling.
- Instruction on definitions and characteristics of families of functions with an emphasis on multiple representations and authentic applications.
- The use of technology tools such as graphing calculators, online applets and an interactive whiteboard to further promote understanding and applications of functions in real world contexts.
- Development of the Standards of Mathematical Practice to promote authentic engagement in the teaching and learning of mathematics.
- Formative assessment tools (such as content probes, immediate response software, authentic tasks, and other formative assessment items) will be developed, discussed, modeled and incorporated.
- Engagement with and utilization of formative assessment as a way to inform mathematics teaching on a regular basis.

**TO REGISTER please apply at**  
[https://www.surveymonkey.com/s/HS\\_Math\\_MSP](https://www.surveymonkey.com/s/HS_Math_MSP) by January 20, 2014

**Questions? Contact**  
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*This professional development is a partnership between*

