

# 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

Where:

- ◆ Flagstaff, AZ

When:

- ◆ February 25, 2017 (8:30 am—12:30 pm)
- ◆ May 20, 2017 (8:30 am—12:30 pm)
- ◆ June 5-8 & 13-16, 2017 (8 am—4:30 pm daily)

Dates to be determined:

- ◆ Fri./Sat. August 2017 (5—8 pm; 8 am—5 pm)
- ◆ Fri./Sat. September 2017 (5—8 pm; 8 am—5 pm)
- ◆ Sat. in Oct. or Nov. 2017 (8 am—5 pm)
- ◆ Sat. in Jan. 2018 (8 am—5 pm)

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.
- ◆ 44 hours of hybrid face-to-face & online instruction in formative assessment.
- ◆ 20 hours of Lesson Experiment
- ◆ **\$3000 stipend**

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, Functions, and Statistics & Probability categories of ACCR-M Standards.

***Content & Pedagogical 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;
- Examinations of definitions and characteristics of families of functions with an emphasis on multiple representations and authentic applications;
- Development of tools and skills for conducting experiments, analyzing data, and making informed decisions using statistical methods;
- 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 (the fundamentals of learning, planning lesson learning goals and success criteria, intentionally eliciting and interpreting evidence of learning, pedagogical action in response to evidence including feedback, student involvement through peer and self-assessment, and engagement

**TO REGISTER please apply at**

[https://www.surveymonkey.com/r/FM\\_Coco](https://www.surveymonkey.com/r/FM_Coco)

**Questions? Contact**

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