Achieving Success in the Algebra II and Calculus Classroom with Underserved Students

A course designed for Algebra 2, Calculus, Pre-Calculus and AP Calculus teachers

This 2-day workshop is designed to introduce research-proven strategies, activities, and assessment ideas that make a difference in student learning and performance in the classroom. Learn how to build a learning culture in your classroom and the strategies to focus on individual needs of students to give them all the best possible chance of passing the AP exam and End of Course and ensuring success in college-level courses. You will get strategies that:

- Align to effective teaching and learning that are indicators of what an effective AP classroom should look like
- Engage and motivate students to persevere through challenging content
- Strengthen the quality of your instruction to improve student learning
- Address multiple representations within the mathematical content being taught to build conceptual knowledge and develop math proficiency

Audience
Calculus and AP Calculus teachers
Algebra II teachers
Pre-calculus teachers

Get the most out of this 2-day workshop by sending a Math Team including your Calculus and Algebra II teachers to ensure successful transition to Calculus courses in high school or college

Presenters
Jennifer McDaniel, PIMSER Regional Teacher Partner
Jennifer has a proven track record of success with her AP Calculus students. By applying these strategies and working with her Algebra II and Pre-calculus teachers, her school’s AP math program has the greatest 1-year gains in the program’s history, surpassing the global mean.

Susan Stringer, PIMSER Appalachian Teacher Partner
In just 4 years, the math program ranking at Susan’s school went from 140th to 21st in the state, moved from a Persistently Low Achieving to a Proficient school, and the percent of students scoring Proficient/Distinguished on KPREP rose by over 40%. She attributes these achievements to the techniques she learned through workshops like this and working collaboratively with other teachers in her math department to implement new strategies and ideas.