Partnership Institute for Math & Science Education Reform

ACT Boot Camp for Math Teachers

Grades 8-12

- **How do we help teachers incorporate the ACT© Readiness Standards in their everyday teaching?**
- **How can we help teachers use ACT© Readiness Standards progression ideas for student progress to guide instruction throughout middle and high school courses and develop improvement plans that provide continuous support for students?**

This two-day training will support the development of **course intervention strategies** and **student support systems** that move away from a single focus on last minute test taking tips. Participants in the ACT© Boot Camp will work collaboratively to create challenging growth goals for their students and develop instructional strategies to empower and engage all students utilizing critical components of the College and Career Readiness Standards.

Action Components:

Develop Habits of Mind to motivate self-directed learning

- Teachers will learn how to incorporate Algebraic Habits of Mind in their classroom in order to prepare students to respond to the challenges of higher cognitive demand tasks.

Investigate High Cognitive Demand Tasks

- Teachers will examine and self-assess their current questioning techniques in both discourse and assessments.
- Teachers will learn to create and revise questions in discourse and assessment that reflect higher order thinking.

Understand the ACT Blueprint and test format

- Teachers will engage as students on an ACT sample exam and reflect upon the testing blueprint, level of questioning, and challenges due to time and calculator usage.
- Teachers will examine their current curriculum to identify congruency and gaps to the ACT © Readiness Standards.

Develop strategies for achieving desired scores

- Teachers will utilize the College Readiness Standard Report materials along with the “ideas for progress” to develop a plan of differentiation for their classroom.

Revisit and refocus effective test taking strategies

- Teachers will share and reflect on effective test taking strategies.

Develop flexibility in problem solving

- Teachers will explore problems relating to Number and Quantity, Algebra, and Functions using multiple representation strategies.