

Component Title: Solving with Students Learning Cadre

Component Number: 9-009-001

Inservice Points: 10

Description of Objectives and Activities to be Completed:

Participants will develop a deeper understanding of the Solving with Students framework and how it can be used to strengthen mathematics instruction through student-centered problem solving, rigorous tasks, mathematical discourse, and student voice. Through collaborative learning, classroom application, reflection, and the use of student surveys, participants will examine how students experience learning and use that feedback to refine instructional strategies. Activities will include analyzing and solving high-quality tasks, anticipating student thinking, planning purposeful questions and supports, gathering and analyzing student feedback, implementing strategies in the classroom, and reflecting on the impact of these practices on student engagement, reasoning, agency, and achievement.

Component Evaluation Criteria - Detail component effectiveness on:

- a. Address the specific objectives;**
- b. Component efficacy of increasing educator knowledge and skill;**
- c. Component efficacy of changing educator dispositions or practice in educational settings and**
- d. Component efficacy of improving student outcomes**

Component Evaluation Criteria - Detail component effectiveness on:

- a.) Participants will complete professional learning sessions with their learning cadre throughout the school year and participate in coaching sessions with CCDS math coach, teacher leader, or specialists.
- b.) Participants' knowledge and skills will be assessed during each cadre meeting and coaching sessions through monitoring of discussions, survey data, and action step development.
- c.) Teachers will use student surveys to gather authentic student voice and feedback about their learning experiences. They will analyze this feedback to identify student needs, engagement levels, and areas for growth, then use the information to intentionally adjust instructional strategies, tasks, and classroom practices to better support student learning and engagement.
- d.) Student Achievement will increase as evidenced by school-based assessments.