CGI Math: Cognitively Guided Math Instruction

3 P Credits offered through After School Professional Development Program (ASPDP)
36 Hours

Course Objectives & Learning Goals:

This introductory course on CGI (Cognitively Guided Instruction) defines this research-based approach in teaching mathematics while also applying these principles to other content areas and all grade levels. Enhance your ability as an instructor to implement any mathematical curriculum and learn how to master the art of teaching mathematics. Skills focused on include listening to students, understanding their thought processes, providing support, and planning for engaging and effective math activities in the classroom.

Course objectives include: 1) Participants will learn how to enhance their instruction in math by learning from their students and fellow teachers. 2) Participants will practice planning and bringing CGI math into their classrooms to make mathematical learning more engaging and more effective. 3) Participants will learn ways to assess their students by aligning CGI concepts with Common Core Standards.

Course Outline:

Session 1: Overview and Definition of CGI Math
Session 2: CGI Strategies and Examples
Session 3: Why use CGI?
Session 4: Practical Points and Principles of CGI
Session 5: Implementing CGI Activities
Session 6: CGI and CCSS
Session 7: Final Project (cumulative digital presentation of learning)