

CSU/UC Mathematics Diagnostic Testing Project

San Diego Spring Math Teacher Conference

8:00 am – 3:00 pm Saturday, April 25, 2020

Pepper Canyon at UC San Diego



Using MDTP to Design Success Interventions and Build Learning Retention

FREE Conference and Lunch

Keynote Speaker Susan Rinaldi

Director Triton Achievement Hub under the Teaching + Learning Commons at UC San Diego

Dr. Kimberly Samaniego

Statewide Director for MDTP

Director of Math Testing and Placement at UC San Diego

Veteran Math Educator at San Diego Unified

Carol Treglio

San Diego Outreach Facilitator for MDTP

Veteran Math Specialist/Educator at San Diego Unified

President Elect at CMC-South

Registration and Refreshments: 7:30-8:00am

Introduction for New Users (8:00-8:45am): *The MDTP Assessment System: A Tool for Teachers*

We will present an overview of the MDTP Assessment System to include descriptions of MDTP Assessments, highlights of newly released tests and current test development, suggestions for administering and effective uses of MDTP assessments, and how to use MDTP equitably to inform students' next-course options in support of SB-359 – the California Mathematics Placement Act of 2015. Last, we will discuss ideas how MDTP supports the new math pathways mandated at the CSU and California Community Colleges.

Keynote (9:00-10:30am): *Understanding Students' Knowledge of Mathematics to Inform Success Interventions*

Participants explore learning opportunities that provide students options to revisit math foundational concepts from MDTP diagnostic test findings. We will discuss support/interventions that provide structures to improve students' conceptual understanding of math, promote growth mind-sets, and empower students to develop critical thinking skills for college success which have been shown through research to promote students' success in problem-based STEM courses.

Workshop 1 (10:45am -12:30pm): *Identify, Analyze, and Enact: Using MDTP Formatively*

Participants will drill into an MDTP topic to learn how to identify students' strengths, (mis)conceptions, and potential gaps around this topic and unpack the nature of these misconceptions to determine the potential impact to mathematical access. We will then learn how MDTP Written Response Items and Learning Modules support student access around this topic. Participants walk-away with access to open-ended tasks and diagnostic tools to support their upcoming lessons.

Lunch Provided: 12:30-1:00pm

Workshop 2 (1:15-3:00pm): *Enacting Success Interventions using MDTP Results*

We will learn about multi-faceted research-based strategies to re-engage students in learning experiences designed to remedy misconceptions and promote retention. Participants will be introduced to a framework for writing parallel problems informed by MDTP diagnostic results. We will then write parallel problems to re-engage students in learning experiences that address misconceptions and develop a plan to implement these problems to bridge new learning and promote retention (Bring your own device if you have current MDTP data to use for this session.)

Register Online at: <https://forms.gle/C5wbppqLFrppXoUC9>

After registration, you will receive an email confirmation with conference details, parking instructions, and directions.