

Connecting Procedural Fluency and Conceptual Understanding

Please join local mathematics colleagues for the

GCCTM Winter Meeting

Wednesday March 14th, 2018

4:30 - 7:30pm

Strongsville High School

20025 Lunn Rd

Strongsville, OH 44149



This workshop will be facilitated by **Steve Miller**, Mathematics Consultant with the Summit ESC, and will be focused on **Mathematics Teaching Practice #6: Build procedural fluency from conceptual understanding**. Effective teaching of mathematics builds fluency with procedures on a foundation of conceptual understanding so that students, over time, become skillful in using procedures flexibly as they solve contextual and mathematical problems.

See 2nd page for further details!

AGENDA:

4:30-5:15 Registration, Light Dinner, and Networking

5:15-5:30 Business Meeting

5:30-7:30 Program

Earn a certificate of participation for 2.25 PDUs

To Register--Go to <http://mygcctmonline.org/> or [Click Here](#)

Registration Deadline: Midnight on Wednesday, March 7, 2018

Those registered by this deadline are guaranteed both a "SEAT" and a "MEAL"!

Late registrations will be accepted through Midnight on Sunday March 11, 2018

Late Registrants are guaranteed a "SEAT" but not necessarily a "MEAL"

Costs for registration	Member Rate	Non-Member Rate*
In-service/retired educator	\$15	\$30
Pre-service teacher/Student—no meal	\$0	\$2
Pre-service teacher/Student--- w/meal	\$10	\$12

* Non-member rate includes a 1-year membership to GCCTM

Steve's Talk:

Blending Conceptual Understanding and Procedural Fluency in Mathematics

In mathematics, Ohio's Learning "standards define what students should understand and be able to do in their study of mathematics." Let's explore the concepts of procedural fluency and conceptual understanding, their meaning and how the two concepts work together to develop mathematically proficient students.

About Steve Miller:

Steve Miller is Summit's math consultant where he provides K-12 mathematics professional development, curriculum writing support, and assistance in selecting mathematics resources. Steve spent 35 years in the Akron Public Schools, which included teaching at three levels as well as district level technology and coaching positions. He served 12 years as the district's coordinator of mathematics.

Steve has also presented at local (GAMES), state (OCTM) and national (NCTM) conferences. He is one of the authors of NCTM's new series "Taking Action: Implementing Effective Mathematics Teaching Practices". He also served as a Fellow in the University of Pittsburgh's Institute for Learning. Steve has served as President of both Ohio Council of Teachers of Mathematics and Greater Akron Mathematics Educator's Society.