

GCCTM Deep Learning Series 2016

October-November & January-March

K-12 MATHEMATICS LEARNING

Northeast Ohio Mathematics Educators are Making a Difference

Do not miss out on this year's new and improved Deep Learning Series! Choose from six courses offered throughout the school year, both online and face-to-face. Three online book studies during the fall semester will each include two face-to-face meetings. Three additional application courses will meet face-to-face three times during the spring semester. Fall semester courses begin October 3, 2016 (4:30-7:00) at the ESC-CC. Spring semester courses begin January 23, 2017 (4:30-7:00) at the ESC-CC. Each course closes with face to face meeting at the winter (Nov.12) or spring (March 11) GCCTM mini conference on Saturday morning. Application courses will meet one additional evening at the ESC-CC (Dec. 5).. Feel free to enroll in either or both semester courses. If you've read the books already and do not want to enroll in the book study, no worries, simply enroll in the application course. However, it is important you have read the books for the application courses.

Cost: \$60 registration fee for each course for GCCTM members (non members \$100), payable to ESC-CC. Join GCCTM today to save \$40 dollars. <http://mygcctmonline.org/> GCCTM membership \$10 a year.

Register: Go to www.esc-cc.org/Professional Development/Calendar of Events. Go to the date and click on the workshop and follow the prompts to complete registration. Online registration will remain open until October 1, 2016 (first semester) and Jan. 22, 2016 (second semester), however, each course is limited to a **maximum of 30** participants.

Graduate Credit Option: **1 graduate credit hour** will be available for purchase for an additional **\$200** through Ashland University for each course attended (no additional assignments are required). Enrolling in graduate credit option will be discussed further during our first session.

Books: Purchasing the books will be up to you and your district. Please see course description for the book titles.

GCCTM
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CLEVELAND
COUNCIL OF
TEACHERS OF
MATHEMATICS

ESC-CC
EDUCATIONAL
SERVICE
CENTER OF
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COUNTY

ASHLAND
UNIVERSITY

THEORY & APPLICATION

*Deepen your math
pedagogy through theory,
improve student learning
through application!*



Join GCCTM:
Let's Talk Math
in the City of
CHAMPIONS!
<http://mygcctmonline.org/>

Questions? Contact:

Tracy Spies at 216-901-4229 or tracy.spies@esc-cc.org.

Mike Lipnos at mlipnos@aurora-schools.org

Sara Good at goods@parmacityschools.org

Course	Session Description	Location
NUMBER TALKS K-12 - Mike Lipnos K-5 Math Specialist and Coach, Aurora City Schools mlipnos@aurora-schools.org		
Book Study: Making Number Talks Matter ISBN 9781571109989 and Intentional Talk ISBN 9781571109767 K-5 and 6-12 Oct. 3 - Nov.12	Do you want to get students excited about math? Do you want students to build and construct their understanding of mathematics instead of a textbook or yours? Do you want scaffolding instructional strategies that lead to deeper understanding and conceptual understanding? Then this is the course for you. Participants will read about Math Talks, a critical component in a constructivist math classroom. Also, participants will read and reflect on additional strategies to incorporate into this Number Talk (Computational Fluency) component. We will read, reflect and grow together face to face and using a Google Community. Looking forward to working with you!	Face-to-Face Cuyahoga County ESC 6393 Oak Tree Blvd, Independence, OH 44131
Classroom Application: Making Number Talks Matter ISBN 9781571109989 and Intentional Talk ISBN 9781571109767 K-5 and 6-12 Jan. 23 - March 11	Do you want to get students excited about math? Do you want students to build and construct their understanding of mathematics instead of a textbook or yours? Do you want scaffolding instructional strategies that lead to deeper understanding and conceptual understanding? Then this is the course for you. Participants will take their learning, reflections and questions from the readings and apply them to classroom practice. We will share our successes and struggles with one another for the sake of improving our student centered classroom. We will guide each other in best mathematics practice. Looking forward to working with you!	Online Google Community & GCCTM Mini Conference
EQUITY AND COLLABORATION IN THE MATH CLASSROOM, Elementary - Dan Clapper 3rd Grade Math Teacher, Aurora City Schools dclapper@aurora-schools.org		
Book Study: Principles to Action ISBN 9780873537742 and Smarter Together ISBN 9780873536561 K-5 Oct. 3 - Nov. 12	Do you have students that seem unengaged or uninterested in learning? Maybe students that seem to be left alone or ignored by their peers? These students may have great ideas and thinking, but seldom share. Why not try equalizing classroom status through Complex Instruction. Join us for a book study to learn more.	Face-to-Face Cuyahoga County ESC 6393 Oak Tree Blvd, Independence, OH 44131
Classroom Application: Principles to Action ISBN 9780873537742 and Smarter Together ISBN 9780873536561 K-5 Jan. 23 - March 11	Do you have students that seem unengaged or uninterested in learning? Maybe students that seem to be left alone or ignored by their peers? These students may have great ideas and thinking, but seldom share. Why not try Complex Instruction. Join us as we learn, reflect and grow together while equalizing status in your classroom. All students deserve access to our classroom content, please join us to help every student become a participating member of their learning environment.	Online Google Community & GCCTM Mini Conference
EQUITY AND COLLABORATION IN THE MATH CLASSROOM, Secondary - Jennifer McCalla High School Math Teacher, CPM Teacher Leader and Milken Educator, Parma City Schools mccallaj@parmacityschools.org		
Book Study: Principles to Action ISBN 9780873537742 and Strength in Numbers ISBN 9780873536639 6-12 Oct. 3 - Nov. 12	Are you interested in learning how to develop meaningful and group worthy tasks where all students are engaged in collaborative and purposeful learning? This course offers the extended time and opportunities to network with area colleagues to make sense of complex instruction, described in NCTM publications <i>Strength in Numbers</i> as it relates to effective mathematics teaching and learning detailed in NCTM's <i>Principles to Actions</i> .	Face-to-Face Cuyahoga County ESC 6393 Oak Tree Blvd, Independence, OH 44131
Classroom Application: Principles to Action ISBN 9780873537742 and Strength in Numbers ISBN 9780873536639 6-12 Jan. 23 - March 11	Students engaged in their learning, discussing mathematics, collaborating with each other, and taking risks. This sounds like the perfect classroom and this is what teachers strive for when we spend countless hours planning lessons. As participants of this learning series, teachers will collaborate with one another and develop a personal bank of tested resources and materials that focus on student engagement and collaboration that align to NCTM's eight Mathematics Teaching Practices.	Online Google Community & GCCTM Mini Conference