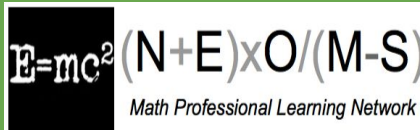
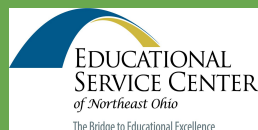


Summer Math Workshops

Educational
Service Center of
Northeast Ohio



NEOMS

NORTHEAST OHIO
MATHEMATICS
SPECIALISTS

ASHLAND
UNIVERSITY

QUALITY SUMMER MATH PD BROUGHT TO YOU BY: The ESC of Northeast Ohio, NEOMS, AND ASHLAND UNIVERSITY

JUNE/AUG 2018 MATHEMATICS WORKSHOPS

Northeast Ohio Mathematics Educators are Making a Difference

Don't miss this opportunity to learn alongside your peers this summer. With four powerful, inspiring sessions to choose from, these workshops offer an affordable, convenient way to keep current with effective mathematics pedagogy and deepen understanding of content and practices. What a great way to earn continuing education contact hours while networking and planning ahead for next school year. Each workshop will be two days, and you can earn either 1 graduate hour through Ashland or 30 PDU's.

Sponsors: The Educational Service Center of Northeast Ohio, NEOMS and Ashland University are proud partners in providing this professional development for Northeast Ohio mathematics educators.

Cost: Each workshop offering costs **\$100**, payable through The ESC of Northeast Ohio during registration (Lunch is on your own).

Register by May 30 to reserve your spot! Each workshop is limited to a **maximum of 30** participants. To register at www.escneo.org select the Calendar of Events under Professional Development. Click on the date and follow the prompts to complete registration.

Graduate Credit Option: You may choose to purchase **1 graduate credit hour** for an additional **\$225** through Ashland University for each workshop attended (No additional assignments are required.). More Information will be provided at each workshop. *Notice all sessions run back to back with the exception of the June 19 / August 2 Bridges and CPM Users' Conference.*

Questions? Contact Tracy Spies at 216-901-4229 or tracy.spies@escneo.org.

Workshop	Session Description	Location
Mike Lipnos K-5 Math Specialist and Coach, Aurora City Schools mlipnos@aurora-schools.org		
Conceptual Place Value in the K-6 Classroom June 4 & 5 (M,T) 9:00 - 3:00	In this session participants will explore issues with learning place value positionally versus conceptually. We will use tools that span the K-6 setting used to build conceptual place value for our young people. Each tool will be used to show the sequence of development for our learners; we will go from counting rotely by one to building conceptual understanding of decimals.	Aurora High School 109 W Pioneer Trail, Aurora, OH 44202
Complex Instruction: Equalizing Status (K-8) June 6 & 7 (W,Th) 9:00 - 3:00	In this session we will explore Complex Instruction and classroom status. We will spend day 1 learning and reflecting on the components of Complex Instruction and the purpose, “the why”. After our learning and reflecting, we will spend a day designing and building group worthy tasks to use in a Complex Instruction setting. Come alone or with a team of teachers to make the most out of enriching mathematical situations.	
Kim Yoak Independent Mathematics Specialist kimyoak.math@gmail.com		
Cognition Based Assessment (K-12) June 12 & 13 (T,W) 9:00 - 3:00	<i>Cognition Based Assessment (CBA)</i> is a genuine system for intervention in mathematics that helps us to truly understand students’ thinking -- then to move that thinking forward to higher levels with materials that are provided in the CBA books. Although the materials involve elementary mathematics concepts through about grade 5 (some grade 6), learning CBA is very useful for all teachers, including secondary teachers, who work with students with gaps in their K-5 content knowledge. Come to learn about this powerful resource that can change how we think about intervention. Books can be purchased here (not included), but the books are <u>not required</u> for this workshop. You can buy the entire set, OR the Place Value or Fractions books are perfect for this introduction.	Aurora High School 109 W Pioneer Trail, Aurora, OH 44202
Bridges and CPM Users’ Conference (K-12) June 19 (T) & August 2 (Th) 9:00 - 3:00	If you are using the program <i>Bridges in Mathematics</i> (K-5) or <i>College Preparatory Mathematics</i> (6-12), these days are for you! Come to collaborate and learn with colleagues from across Northeast Ohio -- share ideas, strategies, challenges, and successes. The session will include breakout groups by course and grade band. We grow in our practice together!	

Lunch will not be provided...Please feel free to bring any snacks or “treats”