

# PreService Teacher Day

## October 21<sup>st</sup>, 2017 at Millersville University

Time	Activity	Location
9:00-9:25	Registration	Lehr, Gordinier Dining Hall
9:30-9:45	Opening remarks from Dean/MAA/PCTM	Lehr, Gordinier Dining Hall
9:45-11:15	Panel Discussion	Lehr, Gordinier Dining Hall
11:25-12:15	Break-Out Session #1	McNairy Library
12:15-1:00	Lunch	Lehr, Gordinier Dining Hall
1:10-2:00	Break-Out Session #2	McNairy Library
2:10-3:00	Break-Out Session #3	McNairy Library
3:10-3:30	Closing remarks/Door Prizes	Student Memorial Center 114

### Break-Out Session #1—11:25-12:15

McNairy Library 104A	<p><b>Dynamic and Crowdsourced Learning (6-12)</b>            Participants will explore the Desmos graphing calculator and experience how Desmos Activity Builder can be used to help students construct their own understanding of mathematics. Participants are invited to explore <a href="http://www.desmos.com">www.desmos.com</a> prior to the session.  <i>Presenter: Leigh Nataro (<a href="mailto:lnataro@mamail.net">lnataro@mamail.net</a>) &amp; Bob Lochel (<a href="mailto:rlochel@hatboro-horsham.org">rlochel@hatboro-horsham.org</a>)</i></p>
McNairy Library 104B	<p><b>Number Talks (K-5)</b>            In this session, participants will dive into dissecting Number Talks and unpack the speaking and listening standards from the Common Core Initiative, understanding what these standards look like in a mathematics classroom. Through this work, attendees will see how implementing Number Talks can build mathematical discourse in the elementary classroom.  <i>Presenter: Kathryn Biro (<a href="mailto:kbiro@miltonsd.org">kbiro@miltonsd.org</a>)</i></p>
McNairy Library 106	<p><b>Teaching with a Twist—Rubik’s Cube (K-6)</b>            Teaching with a Twist is a powerful and successful opportunity that impacts students through the use of the Rubik's Cube. Learn how to incorporate the Rubik's Cube to provide students the opportunity to use skills such as problem solving, critical thinking, perseverance, determination, focus, and stamina. This session will focus on using the 2 x 2 or 3 x 3 cube to implement math, STEM, history, and more!  <i>Presenter: Nicole Reppert (<a href="mailto:repnic@share.wilsonsd.org">repnic@share.wilsonsd.org</a>)</i></p>
McNairy Library 118	<p><b>Persevere and Persist? No Problem! (6-12)</b>            Problem solving has long been recognized as the foundation of effective mathematics pedagogy. This session will explore the meanings of perseverance and persistence in a problem-centered classroom and present strategies for cultivating these habits in students. Participants will encounter their own thresholds of persistence and perseverance by engaging in collaborative problem-solving activity.  <i>Presenter: Tom Evitts (<a href="mailto:TAEvit@ship.edu">TAEvit@ship.edu</a>)</i></p>

## Break-Out Session #2—1:10-2:00

McNairy Library 104A	<p><b>Common misconceptions about roots, asymptotes, and inverse variation (9-12)</b>            Participants will do activities that challenge common misconceptions, particularly about topics where the misconception makes teaching difficult. For example, many say that the square root of <math>x^2</math> is <math>x</math>. Making a table of values or a graph suggests otherwise.  <i>Presenter: Sheri Stayton (<a href="mailto:sns180@alumni.psu.edu">sns180@alumni.psu.edu</a>)</i></p>
McNairy Library 104B	<p><b>Engaging Elementary Students in Mathematical Writing (K-5)</b>            Writing about mathematical ideas provides students opportunities to reason and communicate mathematically. Teachers are also able to address students' understandings and misconceptions. Participants will explore types of and purposes for mathematical writing recommended by the Elementary Mathematical Writing Task Force.  <i>Presenter: Janine Firmender (<a href="mailto:janine.firmender@sju.edu">janine.firmender@sju.edu</a>)</i></p>
McNairy Library 106	<p><b>Using Small Groups to Facilitate Differentiation in Math Instruction (K-5)</b>            In this session, a recent student teacher will engage participants in learning about using small groups to facilitate differentiated mathematics instruction as she did during her student teaching experience. This involved rotations through independent, partner, and teacher-led learning tasks.  <i>Presenter: Meaghan Harris (<a href="mailto:missmeaghanharris@gmail.com">missmeaghanharris@gmail.com</a>)</i></p>
McNairy Library 118	<p><b>Preparing for Student Teaching (K-12)</b>  <i>Presenter: Jenna Karkoska (<a href="mailto:jennifer_karkoska@hempfieldsd.org">jennifer_karkoska@hempfieldsd.org</a>)</i></p>

## Break-Out Session #3—2:10-3:00

McNairy Library 104A	<p><b>Exploring Algebraic Expressions Through Tiling Around a Square Pool (6-8)</b>            This session will engage participants with a pool border activity completed by middle school students. Session attendees will view student posters to select and sequence who they would have share based on desired learning goals.  <i>Presenter: Lara Dick (<a href="mailto:lkd007@bucknell.edu">lkd007@bucknell.edu</a>)</i></p>
McNairy Library 104B	<p><b>Data in the Classroom (K-8)</b>            Teachers collect and display data in various ways. K-8th grade pre-service teachers can learn about data walls, students self-monitoring, and the way data influences teaching. Come to this session to find out how teachers use math on a daily basis!  <i>Presenter: Rachel Tadlock (<a href="mailto:rltadlock@lancaster.k12.pa.us">rltadlock@lancaster.k12.pa.us</a>)</i></p>
McNairy Library 106	<p><b>Classroom Discourse and Teacher Questioning (3-12)</b>            Classroom discourse and teacher questioning will be discussed from a pedagogical perspective, for the purpose of engaging students in communicating about the mathematics they are learning. Four levels of discourse and three types of teacher questions will be discussed.  <i>Presenter: Steve Cicioni (<a href="mailto:scicioni@comcast.net">scicioni@comcast.net</a>)</i></p>
McNairy Library 118	<p><b>Preparing for Interviews (K-12)</b>            First impressions are really important when trying to secure your first teaching job. In this session interview tips and strategies will be shared to help you secure a teaching position.  <i>Presenter: Michele Westphal (<a href="mailto:michele_westphal@l-spioneers.org">michele_westphal@l-spioneers.org</a>)</i></p>

***Door prizes and closing remarks will be held in the Student Memorial Center Room 114 at 3:10. Please come!***