

Session 1 9:15-10:10

Rm #	Grade span	Session Title and Presenter	
104	General Interest	Capturing The Power of The Brain in Math <i>Presenter: Sarah Irish, T.W. Kelly Dirigo Middle School</i>	Having a growth mindset is a hot topic in education right now, but exactly how can we capitalize on this in our math classrooms? In this session you will be exposed to the power of a growth mindset and walk away with several strategies and resources to use in your classroom.
105	K-5	Making the Most of Your SLO! Elementary Session <i>Presenter: Cheryl Tobey, Maine Department of Education</i>	Are you looking for an example of a completed Student Learning Objective (SLO) for elementary mathematics? Come review, analyze and discuss 2 sample completed SLOs using a quality rating rubric created by the Community Training and Assistance Center (cTac). If you weren't able to attend one of the cTac SLO trainings held across the state in February, this is a great opportunity to learn about some of the tools presented at the session.
135	K-8	Connecting Mathematics To Literacy <i>Presenter: Marilyn Curtis, Adjunct Educator University of Maine Farmington</i>	Participants will have the chance to work with literacy strategies that will help increase their students understanding of mathematics. Multiple resources will be shared and hands-on activities will be provided.
103	3-12	ASSISTments Makes Google Classroom Flexible and Effective <i>Presenter: Andrew Burnett, ASSISTments at WPI</i>	ASSISTments offers teachers pre-built problems, a problem builder, and detailed reports on student work. Google Classroom makes assigning and communicating with your students easy. Put the two together and you have an educational match made in heaven. Current ASSISTments users will learn how to assign from your ASSISTments account directly to Google Classroom. Not an ASSISTments user? No problem!! You will learn how to assign our pre-built problems to Google Classroom using the ASSISTments App for Google Classroom. ASSISTments is a free, online tool from Worcester Polytechnic Institute.

- | | | | |
|------------|---------------------------------|---|--|
| 101 | K-8,
<i>General Interest</i> | Houston We Have a Problem: Experiencing Why Math Matters in Mission Control
<i>Presenter: Jennifer Therrien, Challenger Learning Center of Maine</i> | The Challenger Learning Center of Maine allows students to see first-hand how math applies to data collection and analysis in a real-world setting. Learn how to bring your students to the center for an off-site lab experience where they will conduct research, collect data and solve emergencies in our Mission Control and Space Lab simulators! Also, learn how to access NASA math resources. Try out an activity to create an astronaut meal plan while considering multiple nutritional and weight factors. |
| 136 | 9-12,
<i>college</i> | Teaching Students to Write Programs on TI83/84 Calculators
<i>Presenter: James J. Landherr, KVCC and Maine Academy of Natural Sciences</i> | Engage students in short activities that build understanding of math concepts, programming logic and coding skills |
| 138 | K-2, 3-5 | Response to Intervention - Collaboration is Key
Presenters Abby Shink and Susan Hogan, Mt Vernon Elementary School | Two Elementary Math Interventionists will share how they have used collaboration as the cornerstone for successful math interventionists. We will explain how we use Standards Based Common Assessments to identify math goals that support the Tier one math curriculum and instruction. We will share how we use a combination of push in and pull out services. We will also share how we find time to collaboratively plan and reflect with classroom teachers, administrators, coaches, and each other. We have learned how to integrate the three tiers of intervention so students are able to reach their potential. We will share many resources such as sample planning templates, activities, and standards based scales. |

Session 2 10:25-11:20

Rm # Grade **Session Title and Presenter**
 span

- 104** *General Interest* Technology to Facilitate A Proficiency-Based Classroom
Presenter: Sarah Irish, T.W. Kelly Dirigo Middle School
- Proficiency-Based Education (PBE) is a system that includes curriculum design, assessment, and grading that allows for students to work on a standard until they demonstrate proficiency. The goal of PBE is for students to be given time and a variety of ways to learn and demonstrate proficiency of a given set of standards. In this session participants will hear about technology to facilitate a PBE classroom.
- 103** *K-2* Incorporating Reading and Writing in Math Workshop
Presenter: Brittany Munson, Sedomocha Elementary
- Get ready to discover different types of writing that can be incorporated in a math block. Participants will also learn how to incorporate picture books into their math lessons.
- 101** *K-2, 3-5* Math Workshop Model
Presenter: Erica Boudreau, Manchester Elementary School
- Participants will learn how to set up a successful math workshop for their classroom. A math workshop model allows teachers to differentiate instruction to better meet the needs of each student. Using the math workshop model will provide the classroom teacher time to meet with individual students or small groups of students over the standards covered during the school year. The model can be used in several different grade levels and take on different formats to better suit the style of each teacher.
- 105** *6-8, 9-12* Making the Most of Your SLO! Secondary Session
Presenter: Cheryl Tobey, Maine Department of Education
- Are you looking for an example of a completed Student Learning Objective (SLO) for secondary mathematics? Come review, analyze and discuss 2 sample completed SLOs using a quality rating rubric created by the Community Training and Assistance Center (cTac). If you weren't able to attend one of the cTac SLO trainings held across the state in February, this is a great opportunity to learn about some of the tools presented at the session.

- | | | | |
|------------|------|--|---|
| 135 | 9-12 | <p>Calculator Policy for the SAT; Misconceptions and Facts
 <i>Presenter: Jim Donatelli, Texas Instruments</i></p> | <p>Participants will receive and review the College Board SAT Calculator Policy as well as the Policies regarding other High Stakes College Board Assessments such as the PSAT and AP Exams. Are students required to clear Calculator Memory prior to the SAT? (the answer may surprise you!); Are Calculators with a built-in Computer Algebra System ("CAS") permitted on the SAT as well as PSAT and AP Exams? (the answer may surprise you!). Free Exam Prep resources from Texas Instruments will be presented.</p> |
| 136 | 3-5 | <p>Lessons from Jo Boaler's Week of IMath
 <i>Presenters: Karen Jagolinzer & Marti-jo Shaw, Harrison Middle School</i></p> | <p>Jo Boaler's week of IMath is meant to set the stage for the year with inspirational math activities. Emphasis is placed on deep thinking, the value of mistakes, the beauty of mathematics, and the belief that everyone is capable of high level mathematics. Marti-jo and I will model a few of the activities from IMath with teachers and share how these activities carried throughout our instruction and how others might do the same.</p> |

Session 3 1:45-2:40

Rm #	Grade span	Session Title and Presenter
------	------------	------------------------------------

- | | | | |
|------------|-----|--|---|
| 135 | K-2 | <p>Number Words and Number Sense: Getting it Together
 <i>Presenter: Phyllis Fischer, Retired from University of Maine, Farmington</i></p> | <p>Young children and older struggling learners need to become automatic at: making connections between number, numeral, and number words; counting chants; the base ten system and related suffixes; and basic number facts, including the connections between addition, subtraction, and missing addends. Writing numerals also needs to be automatic. Activities that develop this automaticity are quick, effective, and very appealing to children. This session will demonstrate and have participants do these activities.</p> |
|------------|-----|--|---|

- 104** 3-5 Using Coaching and Collaboration to Improve How We Teach the Properties of Operations in Grades 3-5
Presenter: Sarah Caban, RSU #38
- A math coach, third grade teacher, and fourth grade teacher will share how they worked collaboratively to increase their own knowledge of the associative and distributive properties and used their new learning to plan and implement lessons that deepened student's understand of the associative and distributive properties. We will share standards based progress scales that we created and used with students, Number Talk Planning Templates that we used to anticipate student misconceptions, and other resources we used to plan, teach, and monitor student progress. We will structure an opportunity for participants to work collaboratively to analyze student work using a standards based scale and plan a number talk that they can use with their students.
- 105** *General Interest* Modular Origami
Presenter: Nancy Watson, MSAD 1
- Participants will learn the sonobe and phizz folds and make a cube.
- 136** 6-8, 9-12, college Linearity without Equations: False Position
Presenter: William Berlinghoff, Colby College (retired)
- Long before algebra became symbolized, trade and commerce led people to develop computational methods for solving what we now call linear equation problems. One such method, called "false position," was used by the ancient Egyptians, the Chinese, Indians, and Arabs of the Middle Ages, Europeans of the Renaissance, and merchants of post-colonial America. This talk examines that method and relates it to the way we teach linear equations today.
- 101** *General Interest* Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST).
Presenter: Michele Mailhot
- Join me in learning about the Presidential Awards for Excellence in Science and Mathematics Teaching (PAEMST). Gain an understanding of the national award, presented by the White House, and how to apply! Could you be the one to be recognized and honored, as well as meet the President?