

Friday Sessions

	Block A	Block B
Stephanie D.	<p>Reaching Every Student: Strategies for Differentiation (ALL) <i>materials needed:</i> chart paper, markers, copies (i can make), index cards Description: : Teaching to multiple levels in the classroom can be a difficult task. Learn strategies to keep all students active and engaged in math, as well as how to create a thriving community of thinkers. We will focus on strategies for scaffolding essential content to support and motivate students.</p>	<p>Building Number Sense (K-2) <i>materials needed:</i> base-ten blocks, markers, chart paper Description: Participants will use physical models to explore number relationships. Number sense in our base-10 system will be developed through number construction and deconstruction, and participants will extend understanding of the base-10 number system to include very large numbers.</p>
Courtney L	<p>Developing Problem Solvers, Not Problem Doers! (ALL) Description: : Are you students depending on you every step of the way to solve math problems? Let's explore strategies to break those bad habits and expand your students' perseverance and problem solving abilities. Participants will engage in activities and resources that allow students to reveal their thinking and make necessary connections to proceed with solving math tasks.</p> <p>Activities/Lessons: Mathematical Tug of War (Marilyn Burns) Learning Centers</p> <ul style="list-style-type: none"> • Toss the Cup • Shape shifters • Rocket Strips • Which Has more? 	<p>Identifying Rigorous Tasks (Leaders)- Description: We know that tasks are the foundation upon which students gain an idea about what mathematics is and how math in completed. we also know that not all tasks require the same type of thinking and reasoning. Let's look at ways to differentiate between tasks that require thinking and reasoning and those that require application of previously learned rules and procedures.</p> <p>Activities/Lessons: Friendship Bracelet Jamilla's Pizza Party</p>

	<p>Description: Participants will gain a deeper understanding of mathematical discourse and develop strategies to create a community of learners in the math classroom.</p>	<p>copy of gist, markers</p> <p>Description: Participants will dig deep into the Standards of Mathematical Practice by creating a list of observable factors for each SMP from both the teacher and the students perspective, as well as craft questions and develop strategies to take back to the classroom to promote each SMP.</p>
Courtney L	<p>You Mean Three and Be ONE (ES) Description: A robust understanding of fractions requires explicit attention to the “whole” in a fraction and making sense of fractional representations of different wholes.</p> <p>Activities/Lessons: Three Can Be One Drawing Models Flags and Fractions</p>	<p>What are Formative Assessment Lessons and Why Should I Bother with Them? (3-5) Description: This session will give the purpose of Formative Assessment Lessons and participants will experience a lesson and discuss their implementation.</p>
Janet T.	<p>Do you see a pattern here? Visualizing and Understanding Sequences! (8th grade - HS)</p> <p>Description: Help students build a deeper understanding of sequences using their basic knowledge of sequences and graphing. Join us as we explore sequential scenarios, represent sequences as lists, table and graphs, find explicit and recursive formulas for a linear sequence and make sense of notation.</p>	<p>Matching, Sorting, and Exploring (8th grade & HS)</p> <p>Description: Looking for ways to engage your high school mathematics students into meaningful conversations? Want to find hands-on, interactive ways to explore different types of functions and scenarios? This session introduces several problem situations for student to identify the independent and dependent quantities and then take those situations and find graphs to match each scenario. We will explore different characteristics of graphs and also discuss defining characteristics of different types of functions. You won't want to miss this inquiry based learning opportunity.</p>
Christi S.	Creating a Growth Mindset in	Tied In Knots (MS/HS)