

## Conference Schedule

8:30am – 9:00am	<b>Registration</b>	<b>DBH 166</b>	
9:00am – 9:15am	<b>Welcome</b>	<b>DBH 166</b>	
	<b>Workshop A</b>	<b>Workshop B</b>	
<b>Session I</b>  9:20am – 10:20am	<b>Managing Math</b>  Kathi Dunham-Filson Target Audience: 3-10 Location: DBH 101	<b>Introduction and Overview of the Common Core Math Standards for grades K-6</b>  Rick Bartkowski Target Audience: K-6 Location: DBH 100	
<b>Session II</b>  10:30am - 11:30pm	<b>Bring Math Alive With a 3x5!</b>  Dee Metcalf Target Audience: K-12 Location: DBH 100	<b>Teaching Math to Students Who Barely Speak English – Yes We Can!</b>  Elmano Costa Target Audience: K-12 Location: DBH 104	
11:30pm - 11:50pm	<b>Lunch, and Raffle</b>		<b>DBH 166</b>
11:50pm - 12:00pm	<b>Reza Kamali</b>		<b>DBH 167</b>
12:05pm- 12:35pm	<b>Keynote Speaker: Scott Farrand</b>		<b>DBH 167</b>
<b>Session III</b>  12:40pm – 1:40pm	<b>Motivating Students Through Mindset, Part I</b>  Erin Cross Target Audience: K-12 Location: DBH 104	<b>Reflect with the Mira, leave your straight-edge and compass behind.</b>  Thomas Abram Target Audience: 7-12 Location: DBH 100	
<b>Session IV</b>  1:45pm – 2:45pm	<b>Traction with Fractions</b>  Michael Bice Target Audience: 2-6 Location: DBH 100	<b>The Needle of the Compass goes Round and Round...</b>  Brian Jue Target Audience: 7-12 Location: DBH 101	<b>Motivating Students Through Mindset, Part II</b>  Erin Cross Target Audience: K-12 Location: DBH 104
2:45pm – 3:00pm	<b>Evaluations, Raffle, Closing</b>		<b>DBH 166</b>

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### **Kathi Dunham-Filson: Managing Math**

We will discuss and demonstrate various techniques of keeping students engaged in the math classroom. Strategies include random selection, checking for understanding, and multiple uses of individual whiteboards. We'll also discuss tips and tricks to thriving in the world of stated learning objectives, and building student buy-in to learning. (Target Audience: 3-10)

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### **Rick Bartkowski: Introduction and Overview of the Common Core Math Standards for grades K-6**

The Common Core Standards will replace California's content standards in the near future. They are aligned across grade levels and provide a consistent, clear understanding of what students are expected to know and be able to do in Mathematics. The standards are designed to be robust and relevant to the real world, reflecting knowledge and skills that young people need for success in college and careers. (Target Audience: K-6)

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### **Dee Metcalf: Bring Math Alive With a 3x5!**

No instructor should ever enter a classroom without a stack of 3x5 cards. They provide us with the easiest way of collecting formative assessments from our students. Plus they are a cheap alternative to expensive manipulatives. In this hands-on session you will have a chance to create manipulatives that you can use Monday and be introduced to several alternate uses of this cheap tool! Even though I teach math...these ideas transcend the subjects/grade level. (Target Audience: K-12)

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**Elmano Costa: Teaching Math to Students Who Barely Speak English – Yes We Can!**

This workshop begins by presenting an overview of the strategies that have been shown to be effective in teaching math to English learners. Then, a math lesson will be presented in Portuguese to model how to put these strategies into practice. (Target Audience: K-12)

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**Erin Cross: Motivating Students Through Mindset, Parts I and II**

In this double-session you will learn about “fixed” and “growth” mindsets and how they impact student achievement. You will also learn strategies for how to help students develop a growth mindset towards mathematics.

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**Thomas Abram: Reflect with the Mira, leave your straight-edge and compass behind.**

This presentation will introduce you to the Mira (Miras will be provided to all participants during the presentation, but you will have to leave the Mira behind after the presentation.) We will explore the reflective properties of the Mira, perform some standard geometric constructions with the Mira, and use the Mira to perform transformations, as time allows. (Target Audience: 6-12)

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**Michael Bice: Traction with Fractions**

This presentation will examine a number of different ways to visualize fractions, ranging from fraction strips and geometric shapes to using candy. If time allows, we will explore arithmetic operations with fractions with these tools. . (Target Audience: 2-6)

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**Brian Jue: The Needle of the Compass goes Round and Round...**

Orienteering can be a fun, real-world application of basic trigonometry. We will use icosahedral dice to randomly select a sequence of bearings. Compasses will be provided to point us in the correct direction for each leg of our random walk. Our predicted final location will be computed using trigonometry, and that theoretical location will be compared to our actual results in the field. (Target Audience: 7-12)

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