

TODOS Live! October 20th – November 15th Events

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Date	Presenter	Title	Description
Social Justice Week			
October 21, 2020	Belin Tsjannie and Aris Winger	Exploring Social Justice Through Mathematics: The Possibility and Necessity of Social Justice Mathematics	This 60-minute workshop will have two core elements. 1. We will do mathematics together as a community by examining some prescient social justice topics that are impacting marginalized communities and how mathematics can be used to explore those situations. Participants will be working/doing mathematics in small groups and presenting findings in whole group discussions. 2. We will discuss why this work is necessary and vital, what needs to be done before we as teachers attempt to do this work and how this framing is critical to understanding the potential of exploring mathematics in BIPOC communities. Moreover, we discuss how through the work of Rochelle Gutiérrez, Danny Martin, David Kung, and others that we have the opportunity to reframe and redefine math circles using an equity and social justice framework.
October 22, 2020	Lisa Linney Borden	Moving Achievement Together Holistically: Elder Inspired Approach to Math Education	In this session, I will share understandings developed from long-term collaborative work done in Mi'kmaw communities of Atlantic Canada. The session will explore ways to teach mathematics from an Indigenous perspective, looking beyond ethnomathematical investigations to explore the ways in which Mi'kmaw epistemology or L'nui'ta'simk, can be used to root pedagogical approaches in indigenous knowledge systems. I will show examples from an on-going research project called Moving Achievement Together Holistically (MATH) as a way of demonstrating what it looks like to teach from this culturally-based approach. Sample activities will be shared and we will discuss how these ideas are good for all students but essential for some.

October 27, 2020	Greisy Winicki-Landman	Mathematical Games as Springboard Activities to Different Types of Proof	One of our goals as math teachers is to enable students to recognize reasoning and proving as essential components of doing mathematics. Mathematical games are great opportunities to introduce students to important practices like making and investigating mathematical conjectures as well as developing and evaluating arguments. In this webinar a game will be presented, and the players, while looking for a winning strategy, will have fun and do significant mathematics.
October 28, 2020	Suzanne Damm	Middle School Mathematics	TBA
October 29, 2020	Shelley Kriegler	Teaching Fraction Concepts in a Remote Learning World	Fraction concepts may be one of the most challenging topics to teach and learn -- and now we face the challenges of teaching them remotely. Let's look together at a few fraction concept lessons and explore together how to make them more dynamic and effective in a COVID challenging environment!
November 11, 2020	Steve Leinwand	The Power of Gradual Reveal in Nearly Everything We Teach in Math	Teachers have known for years the power of gradual reveal when teaching reading. It's time to apply this strategy to mathematics. In this session we'll look at using the easy to adopt technique of gradual reveal with word problems, tables of data, graphs, patterns and geometric figures – all in support of generating higher levels of interest, encouraging greater motivation and making the mathematics much more accessible to all students. Steve Leinwand is a Principal Researcher at the American Institutes for Research in Washington, DC where he has worked on a broad range of mathematics curriculum, instruction and assessment projects. Steve was previously the state mathematics supervisor in the Connecticut Department of Education and is a former President of the National Council of Teachers of Mathematics. He is the author of many books and articles and is a frequent speaker. For more information see http://steveleinwand.com .