

Location	Room 212		Room 102	Room 110	Room 114	Room 207	Room 209
		Session Times	K-8	Technology/Education	Algebra I Geometry	Algebra II and Precalculus	Stats, Calculus & Beyond
Block I: 9:45-10:45 am	Q&A with Annie Fetter	9:45-10	Hosting a Math Family Night - Malone	Seeing in Patterns, Thinking in Code – using Python in 8 th gr. – Hamilton and Rea	Using Group Quizzes to Tackle Geometry Challenge Problems- Fidler	Using Vertical Non-Permanent Surfaces: Year One - Fairbanks	The Calculus Underlying Precalculus – Kassatly
		10:05-10:20	Design Thinking in Math – Malone	Interesting Zooms & Multiple Representations in Geogebra - Rollinson	Fun with Pascal's Triangle in Gr. 7-12 - Sweeney	Making Review Activities Fun - Fairbanks	
		10:25-10:40	Geometric Imaginings in Gr 2-12: Let's Create Together - Shrager	Skeleton Notes for Students - Owens	Visualizing Trigonometric Ratios – Pratt	Three Good Honors Precalculus Problems – Oulton	
Block II: 11 am – 12 pm	Annie Fetter: Noticing and Wondering Grades K-5	11-11:15	PBL Explorations in Pre-Algebra - Nunes	Twitter for Math Educators – Join #MTBoS with me! - Sugrue	Strategies to Help Students who Struggle with Math - Katz	Using Desmos and Marbleslides – Nicol	Inquiry Project: Intrinsic Motivation in the Math Classroom - Ragonese
		11:20-11:35	Probability Spinners in K-2– Thiemann	Learn LaTeX: Prettier Documents for You and Your Students– bargar and HerrNeckar	3D Geometry using GeoGebra - Choate	Various Assessment Tools in Gr 9-12 – Owens	Math3d.org – My Site for Visualizing in 3D in Single and Multivariable Calculus - Chudzicki
		11:40-11:55	How Do Students Learn From Making Mistakes? - Anderson		No-To-Yes project: Helping Students Learn to Avoid Typical Algebra Errors - Zielinski	Teacher Action Research: What Can You Do in Your Classroom? - Owens	Flipped Classroom: Helping Students Learn How to Read Their Math Book - Reilly
Block III: 1:15-2:15 pm	Annie Fetter: Noticing and Wondering Grades 6-12	1:15-1:30	Making Sense of a Few Common Core Standards Together - Hansen	Formative Assessments Using Cell Phones – Coons	Fluency with Functions through Multiple Representations - Miles	Open-ended Projects in Precalculus - Sugrue	Using Technology to Link Newton's Method to Integration- Kahn
		1:35-1:50	Spatial Thinking and 3D Construction - Shrager	Consider the Possibilities: How Many Ways Can _____? – Kahn	Write to Learn: A Nifty Exercise for Focus on the Problem Solving Process - Ragonese	Clothesline Math – McCormick	Programming in Math: Sharing Out Student Work - Hales
		1:55-2:10	Coding in grades K-5: Isvan	Digital Literacy Through Infographics – Kahn	Shark Tank – Integrating Economics in Math K-12 – Karp, Wood and McCuen	Socratic as a Formative Assessment Tool – Lockwood	Want to Present at NCTM in 2018 or beyond? - Anderson
2:15-2:30	Connect with presenters and interact with other attendees in Pritzker lobby. Check out #MTBoS information!						