	Ware 406	Ware 408	Ware 401	Ware 403
Session 1: 9:45-10:45 am	**Calculus** *Presider: Terri HerrNeckar* 1. Building a roller coaster (Al Coons, BB&N) 2. Predator-prey (Jackie Bonenfant, Milton Academy) 3. Tangent lines and cubics (Erica Banderob, Milton Academy)	**Geometry** *Presider: Becky McCormick* 1. Partner quizzes (Mark Fidler, BB&N) 2. Transformations meet tessellations (Jeanne Jacobs & Susan Karp, Milton Academy) 3. Exploring Geometry with Geometer's Sketchpad (Heather Sugrue, Milton Academy)	**Algebra II** *Presider: John Banderob* 1. Team-based learning (Allyson Brown, St. Mark's School) 2. Solving systems of equations (Monica Gribaudo, Boston Latin School) 3. Using CAS to flip a lesson (Gregg Reilly, Milton Academy)	**Cross-curricular ideas** *Presider: Michael Kassatly* 1. Problems that carry through the curriculum (Karen Bryant, St. Mark's School) 2. Peeking into Graph Theory, Topology and the Shape of the Universe (Matt Simonson, Milton Academy) 3. How many ways are there to add to 10? (emily Bargar, Milton Academy)
Session 2: 11 am – 12 pm	**Technology** *Presider: Juan Ramos* 1. Pros and cons of flipped classrooms (Mark Burkholz, Lawrence Academy) 2. How to type math as fast as you can write it (Matt Simonson, Milton Academy) 3. Integrating coding into Algebra II (Chris Hales, Milton Academy)	**Project-based Learning** *Presider: Hal Pratt* 1. Cell phone and firehouse Algebra I projects (Chris Hales, Milton Academy) 2. Bundt cake Calculus project (Peter Kahn, Milton Academy) 3. Project-based approach – using games to learn math (Heather Sugrue, for Anne Kaufman, Milton Academy)	**Precalculus** *Presider: Jeanne Jacobs* 1. Exponential modeling with Senate filibuster data (Gerald Bilodeau, Boston Latin School) 2. Metaldyne – Economic modeling in Precalculus using the TI-Nspire (Susan Karp, Milton Academy) 3. Axiomatic trigonometry proofs (Michael Kassatly, Milton Academy)	**Statistics** *Presider: Gregg Reilly* 1. So you thought you understood r and r^2(Al Coons, BB&N) 2. Regressing toward the Mean (Sharon Hessney, MA Stat Content Leader) 3. Functions of random variables (Martha Jacobsen, Milton Academy)
Session 3: 1:30-2:30 pm	**Technology** *Presider: Erica Banderob* 1. Using Fathom in Stats (Gregg Reilly, Milton Academy) 2. Using the TI-Nspire across the curriculum (Peter Kahn, Milton Academy) 3. Twitter – for educators! (Heather Sugrue, Milton Academy)	**Geometry** *Presider: Jackie Bonenfant* 1. Area Project for Geometry (Karen Bryant, St. Mark's School) 2. Geometry Probability (Jeanne Jacobs, Milton Academy) 3. Poolroom & magic mirror (Hal Pratt, Milton Academy)	**Algebra II/Precalculus** *Presider: Juan Ramos* 1. Functions and transformations (John Banderob, Milton Academy) 2. Animations on the TI-Nspire (Terri HerrNeckar, Milton Academy) 3. Moving classic Algebra II problems into the future (Becky McCormick, Milton Academy)	**Advanced math** *Presider: Martha Jacobsen* 1. Fractals and fractal dimensions (emily Bargar, Milton Academy) 2. Using the derivative to derive algebraic properties of transcendental functions (Michael Kassatly, Milton Academy)