

CCSS Progressions: Building Concepts in Middle Grades Statistics and Probability with TI-Nspire™ Technology

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Moderator Bio



Mike Houston

**T³ National Instructor
Riverside High School
Ellwood City, PA**

Mike is in his eleventh year of teaching high school mathematics in Ellwood City, PA. While participating in a TI-Navigator™ Fast-Track in 2007, he learned how technology can effectively cultivate students' wide range of learning styles. During this time, Mike has served as a T³ National Instructor and a contributing author for MathForward™.

Panelists' Bios



Gail Burrill

**T³ Senior Math Advisor
Michigan State University**

East Lansing, MI

Gail Burrill was a secondary teacher and department chair in suburban Milwaukee, Wisconsin for over 28 years. She is currently a Mathematics Specialist in the Program for Mathematics Education at Michigan State University. Burrill is currently a Senior Mathematics Advisor for Texas Instruments Education Technology and a T³ National Instructor. Her research interests are statistics education, the use of technology in teaching secondary mathematics, and issues related to what it means to teach mathematics.



Tom Dick

**T³ Senior Math Advisor
Oregon State University**

Corvallis, OR

Tom Dick is a Senior Mathematics Advisor for Texas Instruments and is also Professor of the Mathematics Department of Oregon State University. He has served on the Editorial Panels for the *Journal for Research in Mathematics Education* and the *Mathematics Teacher Educator*. He has been recognized by the Mathematical Association of America with its Distinguished University Mathematics Teaching Award for the Pacific Northwest.

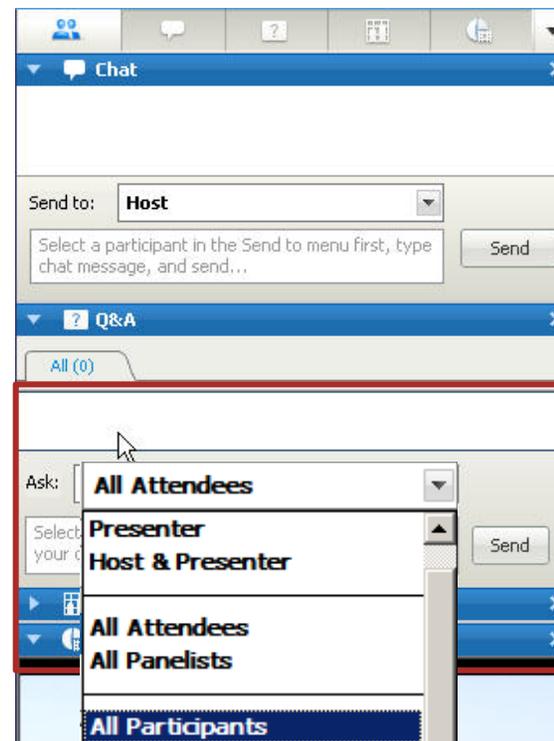
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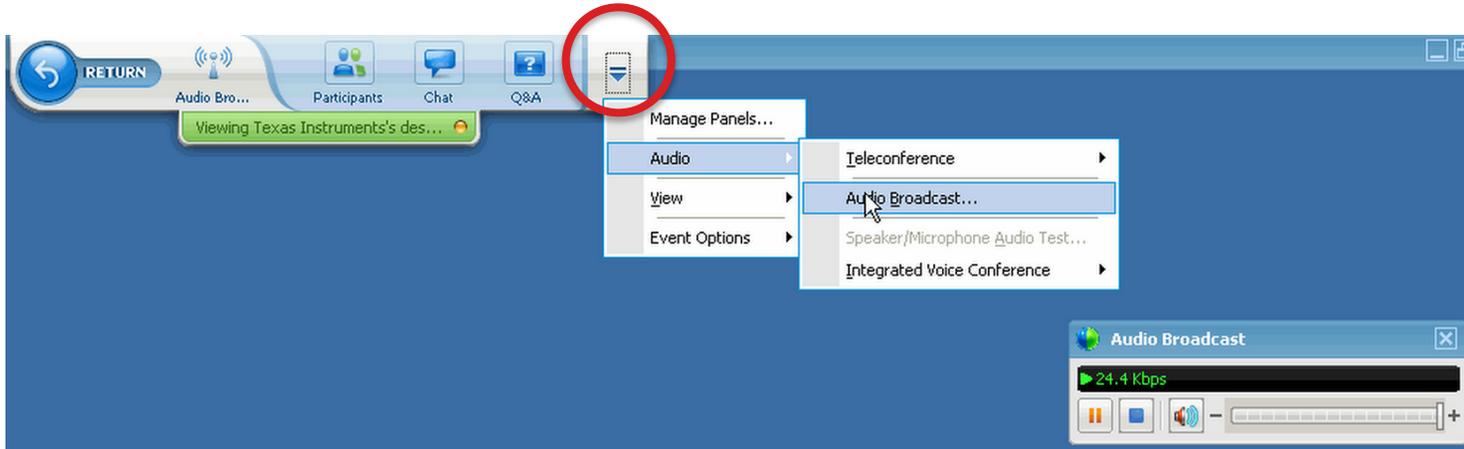
Questions directed to:

- All Attendees** excludes Moderator and Panelists
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Agenda

- Welcome & Introductions
- Building Concepts in Middle Grades Statistics and Probability
- Activities
 - Introduction to Data
 - Medians and Interquartile Ranges
 - Box plots
 - Mean as Fair Share
 - Means and Deviations
 - Introduction to probability
 - Probability and Simulation
- Free online resources

Expected Outcomes:

- **Explore** a sequential, coordinated series of TI-Nspire™ lessons that support a developmental trajectory in statistics and probability
- **Learn** how TI-Nspire™ technology can give students meaningful opportunities to develop an understanding of variability and distributions, draw comparative inferences about populations, develop and use probability models and investigate patterns of association in bivariate data.

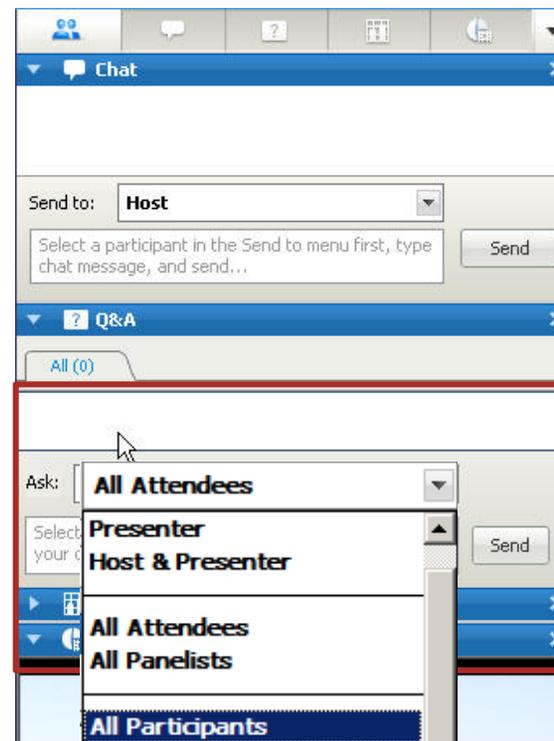
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4/28/15
- » Resources for Math Coaches and Supervisors, Part 2: Supporting Instructional Practices with TI Technology
5/5/15



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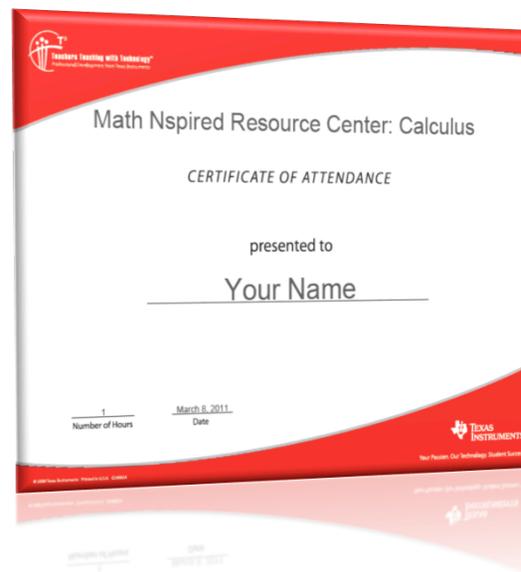
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Thank you!

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