

Algebraic Reasoning 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



Audrey Cucci

**T³ Regional Instructor
Frankfort, NY**

Audrey is a T³ Regional Instructor and mathematics educator for a public school in New York. She has taught a wide range of courses, from 8th grade to AP Calculus AB. In 2010 Audrey was recognized by the National School Board Association as a "20 to Watch" Educator for her work with educational technology, namely the use of the TI-Nspire™ and TI-Nspire™ Navigator™ in her courses. She loves having the opportunity to educate not only children but educators as well.



Matt Rhodes

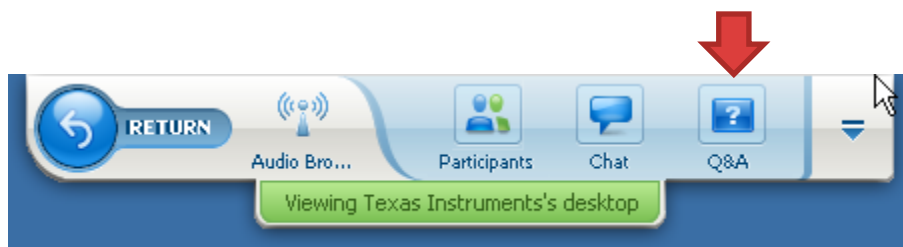
**T³ Regional Instructor
St. Albans, WV**

After spending 16 years in the mathematics classroom, Matt recently accepted a position as an assistant principal at Sissonville High School near Charleston, West Virginia. Though he's taught all levels of secondary courses, he specialized in Geometry where he worked to develop new classroom strategies and activities designed to promote student achievement. As a member of Texas Instrument's pilot program and a T³ Regional Instructor, he enjoys working to help other teachers find ways to integrate education technology in their own classrooms.

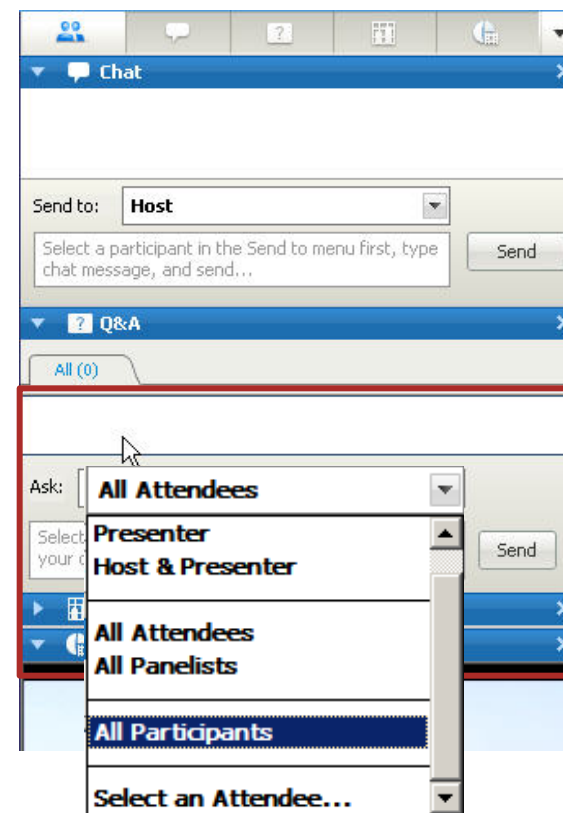
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*Note: Use the **Chat** panel for general communication*



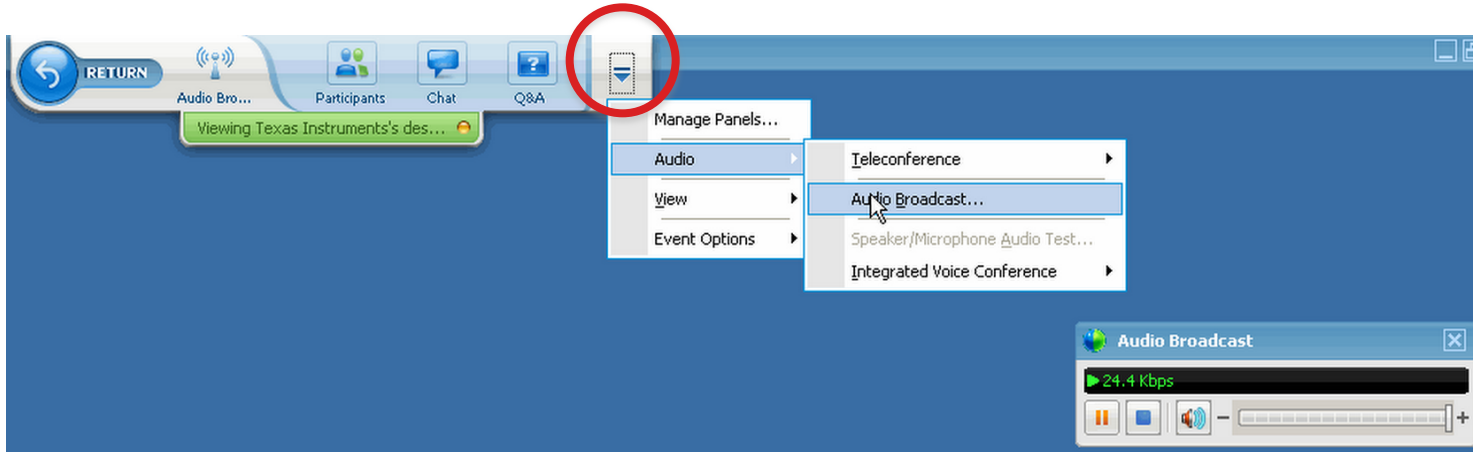
Questions directed to:

- **All Attendees** excludes Moderator and Panelists
- **All Participants** includes everyone in the meeting

Audio

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1. Click the “eject” arrow at the far right of the floating toolbar. Select *Audio > Audio Broadcast...* and click the “Play” icon.



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Agenda

- Welcome & Introductions
- What is algebraic reasoning?
- Activities:
 - Lines of Fit
 - Modeling with a Quadratic Function
 - Characteristics of Exponential Functions
 - Applications of Function Compositions
- Free online resources

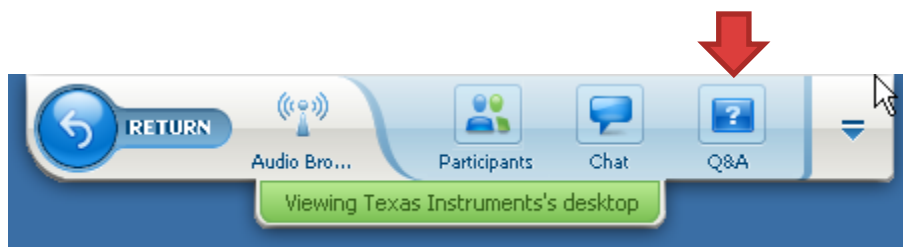
Expected Outcomes:

- **Learn** how TI-Nspire™ technology and Math Nspired lessons can enhance students' algebraic reasoning skills
- **Explore** techniques for helping students interpret the linear model in the context of the data
- **Extend** students' algebraic reasoning skills by using a quadratic function to model the flight path of a basketball
- **Stay in touch** with social media and upcoming events

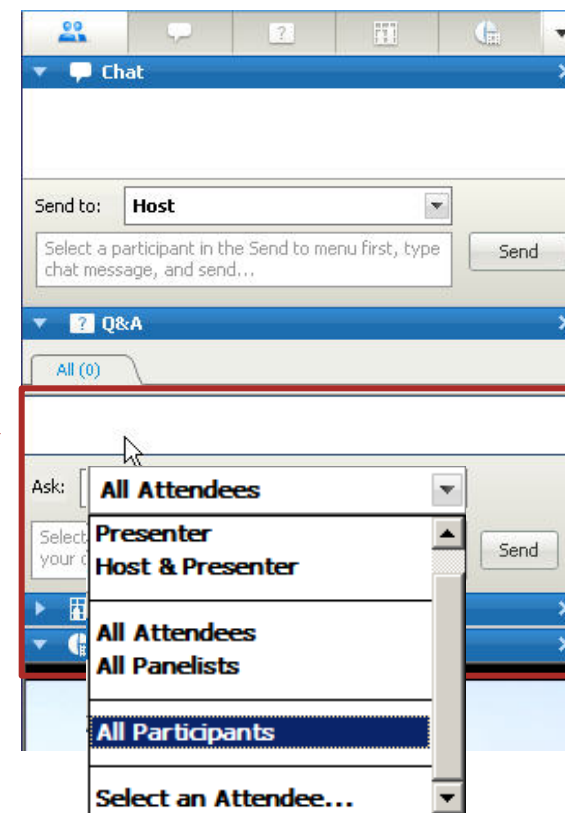
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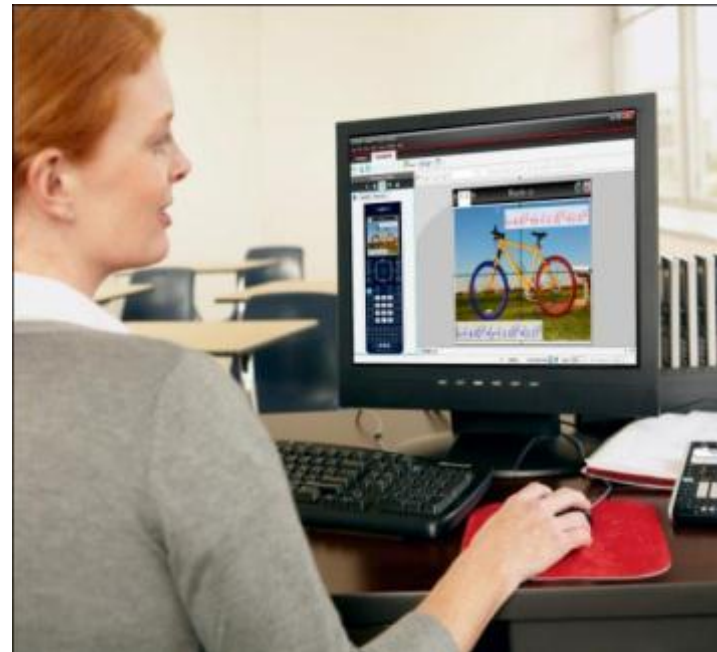


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- » Getting Started with TI Technology in Middle Grades Mathematics
- An Overview of the TI-84 Plus Family and TI-Nspire™ Technology
1/20/15
- » Preparing for the PARCC and Smarter Balanced Assessments with TI Technology
2/3/15
- » Preparing for the Grade 8 and Algebra 1 STAAR® Assessments with TI Technology
2/10/15



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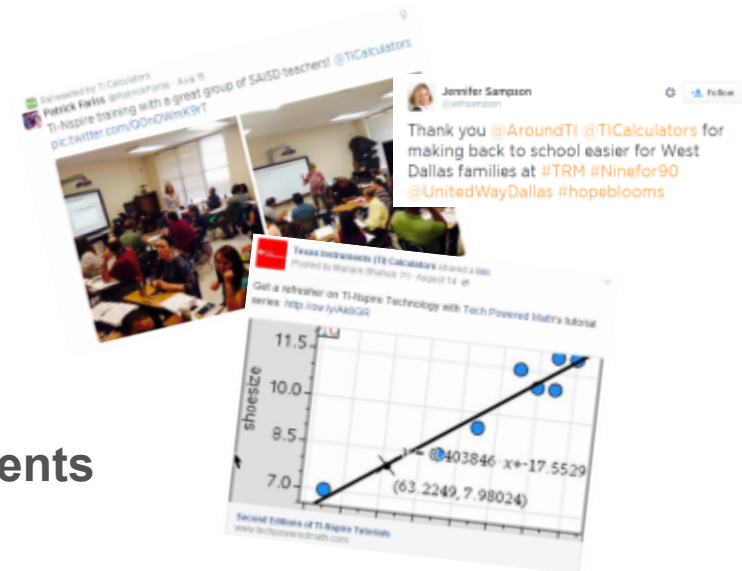
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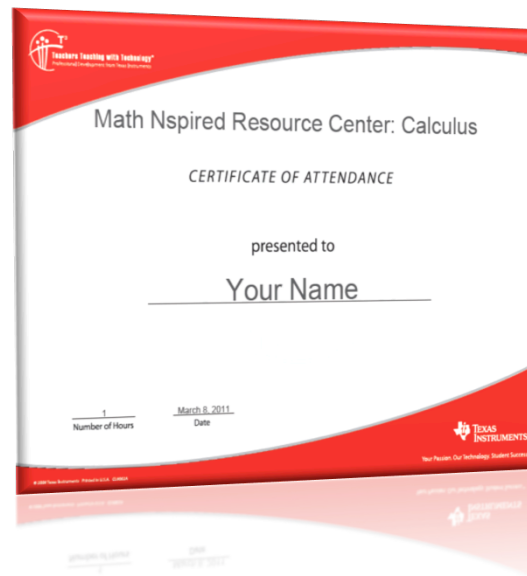
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Wrap Up and Final Q&A's

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Thank you!

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