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Professional Development from Texas Instruments

Professional Development Webinars

A Timely Look at the Mathematics Behind the Electoral College; Lessons for the current Classroom

Fall 2020

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Moderator Bio

Mike Houston

T³ National Instructor

Ellwood City, PA

Mike is in his sixteenth 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™.

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Presenter Bio

Tom Reardon

T³ National Instructor

Poland, OH

Tom taught at Fitch High School in Austintown, Ohio, for 35 years. Tom has served as an adjunct instructor at Youngstown State University for the last 39 years. As a T³ National Instructor, Tom has worked on the development of the TI-SmartView™ emulator software, TI-Nspire™CX, and TI-Nspire™ Navigator™. Tom is a Senior Math Advisor for TI in Product Strategy and Development since 2009, currently working on a Families of Functions modular video series.

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Agenda

- Welcome & introductions
- How/Why the Electoral College was established
- What changes have been made to the Electoral College
- Obtain grade 7 – 12 student activities and questions about election data
- Answer those questions using 3 different platforms: TI-84, TI-Nspire™, and Spreadsheet (Excel)
- Other election issues: US Senate and Gerrymandering
- Bonus: a sneak peek at a new Families of Functions Video series available in November

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Expected Outcomes

I Can:

- Discuss the Electoral College with my students and colleagues – pros and cons
- Provide student activities with the data already included for TI-84, TI-Nspire™, Spreadsheets
- Obtain the answers and solutions to these activities
- Integrate mathematics and civics using important questions about social issues

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Thank you!

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