



Implementing the Common Core Mathematical Practices with TI-Nspire™ Technology

Available in 1-, 2- and 3-day configurations

Instructional Practice

Audience: Educators who want to implement the Common Core Mathematical Practices in middle grades and high school classrooms using TI-Nspire™ technology.

Technology: TI-Nspire™ CX handhelds and TI-Nspire™ Teacher Software.

Overview: This workshop models rich tasks using in-depth discussions and the Common Core Mathematical Practices, with an emphasis on task analysis, questioning strategies, and essential TI-Nspire technology skills to enhance student learning.

Workshop Objectives:

1-day Introduction to the Common Core Mathematical Practices, including how to identify them in action through task analysis; brief discussions of classroom applications and how technology can support the practices; overview of essential TI-Nspire technology skills.

2-day Additional coverage of the Mathematical Practices, including video analysis of students engaged in rich tasks; discussion of questioning strategies that promote student learning; further exploration of dynamic, interactive content using TI-Nspire technology.

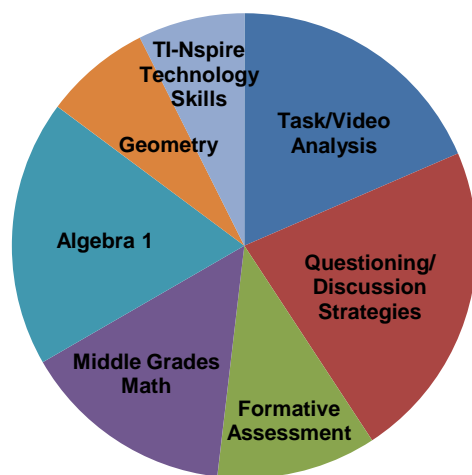
3-day Deeper discussions of strategies for engaging students in the Mathematical Practices; exploration of formative assessment opportunities and techniques; reflection on the role of technology; addresses tasks from the subjects and units indicated below.

Middle Grades: Geometry, Statistics & Probability

Algebra: Equations, Linear Functions, Systems of Linear Equations, Quadratic Functions, Exponential Functions

Geometry: Right Triangles & Trig, Perimeter & Area, Transformational Geometry

Essential TI-Nspire technology skills will be introduced, including general calculator, graphing, and statistical functionality and use of the TI-Nspire™ Teacher Software.



Sample Lesson: *Area of a Quadrilateral*

Objective: Analyze a video of students exploring a rich task using technology; identify and describe evidence of students' engagement in the Mathematical Practices.

Mathematical Practices: Make sense of problems and persevere in solving them; construct viable arguments and critique the reasoning of others; use appropriate tools strategically; attend to precision; look for and make use of structure.