Authoring TI-Nspire™ Documents – Strategies for Advanced Users

Available in 2- and 3-day configurations *Technology Usage*

Audience: Educators who have attended an intermediate-level TI-Nspire workshop who want to learn how to create TI-Nspire documents to promote student investigation and inquiry.

Technology: TI-Nspire™ Student Software, TI-Nspire™ Teacher Software

Overview: This workshop focuses on advanced usage of TI-Nspire technology, with an emphasis on designing interactive TI-Nspire documents and creating learning opportunities that empower students to investigate the answers to their own questions.

Workshop Objectives:

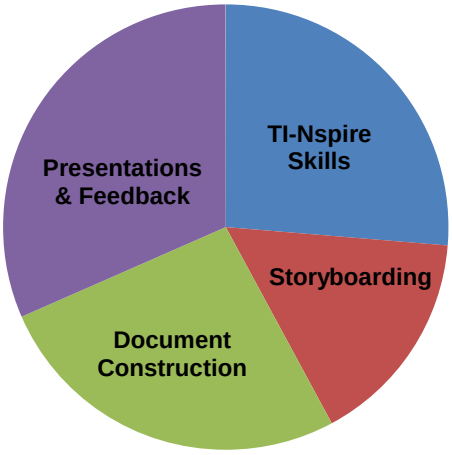
Day 1	Formative assessment of TI-Nspire technology skills; investigate and discuss the characteristics of effective TI-Nspire documents; introduction to storyboarding a lesson; begin construction of a TI-Nspire document that supports a specific learning objective.
Day 2	Analyze and discuss an instructor-modeled storyboard; explore additional construction techniques for enhancing TI-Nspire documents; continue document construction; report on progress in a collaborative feedback loop; share favorite authoring tips and tricks.
Day 3	Continue TI-Nspire document construction; prepare to present documents to the group; presentations of TI-Nspire documents, with class feedback and coaching; group debrief with additional opportunities to refine documents based on feedback and coaching.

TI-Nspire Skills: Authoring skills are explored in the context of Algebra 1, Geometry, Algebra 2, Precalculus, & Calculus.

Storyboarding: Design a technology-based lesson that prompts students to ask questions & investigate answers.

Document Construction: Used advanced authoring skills to construct a TI-Nspire document that prompts student exploration.

Presentations & Feedback: Present TI-Nspire documents and refine based on peers' feedback.



Sample Lesson: *Anatomy of a TI-Nspire™ Document*

Objective: Analyze previously constructed TI-Nspire documents to determine the goal of the lesson and the way the documents were constructed. Examine how the action is controlled and how the inputs and mathematical results are displayed.

Technology Skills: Adding color to objects using conditional statements, using strings in a Math Box, placing a point on a hidden scatter plot, using the data capture feature, using conditional statements to make objects appear and disappear.

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