Classroom Connectivity: Engaging Students’ Minds, Enabling Teachers’ Practice

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What is TI-Navigator™?

Send to and collect from the entire class various lessons, activities, tests, and assignments. Develop a real-time communication pathway between teacher and student. View student progress, system use, and lesson status. Instant assessment of student comprehension. Cultivating the learning experience and inspiring students to achieve beyond their current levels.


How TI-Navigator™ Works

- TI-Navigator™ computer software communicates with an access point
- The access point wirelessly communicates with hubs
- Students' calculators are attached to the hubs

Navigator Possibilities

- Students can contribute equations, points, and lists
- Class can view graphs, equations, and lists
- Polling - teacher can send various types of questions to the students for instant responses
- LearnCheck can be used in English/Language Arts classes, Math classes, Science Classes, and Social Studies classes
- Class Analysis will immediately show student results on assignments, quizzes and tests
- Teachers can also import photos and images to show students how math applies to everyday life.
Students have contributed points.

This window allows the user to specify the number of equations students can send, if students can resubmit, and controls what the student can view.

A view of student submissions - graphs and equations.

The teacher can choose to show only the graphs of student submissions. The teacher can also edit the graph view window.
Classroom Management Features

- Pausing or stopping an activity in Activity Center
- Allowing student names to be shown or not - issues of anonymity
- Allowing equations or graphs to be visible to students or not
- Allowing students to resubmit equations, points, or lists
- Screen capture to see where the students are on the calculator
- Ability to “freeze” network and force collect from the students

What can this technology buy you?

- Increase in participation and motivation
- Reasoning and generalizing explicated at a public or social level
- Contrast and comparison of answers - students can learn from other students’ reasoning
- Error analysis
- Enhanced communication
- Polling as a form of collaborative solution finding vs Teacher as sage
- Teachers can facilitate discussion in coordination with public display
- Technology mediates new forms of pedagogy - new forms of questioning, new forms of interaction

Agenda

- Demonstration
- Faculty presentations with classroom video
- Working groups - focus on new activities
- Whole group critique & discussion on implementation of new activities discussed in groups, questions, potential issues

Contact

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