

Integrating the Calculator Into Your Daily Teaching

This is the “**Yellow Brick Road**” to follow for successful completion of this course. It is an overview of the activities for each week. Be sure to check the map to see what you are expected to do each week. Scroll down to view the road map containing the expectations for this week.

Week 1

The Beginning Of The Road: Calculators In the Classroom

(10/9/06-10/15/06)

Objective	Activity	New York State Standards	Assessment	Time
Participants in the course will understand the policies and requirements prior to beginning the course work	Read ALL sections of the Syllabus (Item 1) from 1:1 through 1:7	N/A	Post response in Item 2: I Have Read It! [A1]	0.0 hours
Participants in the course will learn something about each other as an “Ice Breaker” for discussion	Answer the “Electronic Name Badge” questions	N/A	Post response in Item 7: Let Me Introduce Myself [A2]	0.25 hours
Participants in the course will read research articles about using calculators in the classroom	Read and respond to five (5) articles on using calculators in the classroom	N/A	Post responses in Item 8: I Did the Reading [A3]	0.5 hours
Participants in the course will have a synchronous discussion about calculators in the classroom	Synchronous discussion on Elluminate about using calculators in the classroom [Optional Session]	N/A	Post response in Item 9: Calculators In the Classroom Discussion [Optional]	0.0 hours
Note: Office Hours this week Thursday from 8:30pm to 9:30pm on Elluminate				

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Week 2:

Let's See What That Calculator Can Do

(10/16/06-10/22/06)

Objective	Activity	New York State Standards	Assessment	Time
Participants in the course will have a synchronous discussion about appropriate uses for different calculators for problem solving	Problem solving using different types of calculators during an Elluminate session {Optional Session}	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post response in Item11: Calculators Live Discussion [Optional]	0.0 hours
Participants will learn how to use a calculator to solve problems appropriate for their grade level	Complete a set of problems for their grade level using a calculator	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post solutions in Item 12: Calculating For My Grade [A4]	1.0 hours
Participants will learn how to use a calculator to solve problems appropriate for a grade level other than their own	Complete a set of problems for grade level other than their own using a calculator	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post solutions in Item 13: Calculating For Another Grade [A5]	1.0 hours

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Week 3:

When Can I Use That Calculator In My Classroom

(10/23/06-10/29/06)

Objective	Activity	New York State Standards	Assessment	Time
Participants will determine which topics from the New York State Mathematics standards for their grade would benefit from the use of calculators.	Looking at the New York State Mathematics standards create a list of topics that would benefit from the use of calculators	New York State Mathematics standards document (Rev. March 2005)	Post the list in Item 15: Calculator Topics [A6]	0.5 hours
Participants will be able to search the Internet to find lessons and activities that are aligned to the New York State standards and incorporate the use of calculators	Search the Internet to find lessons and activities that are aligned to the New York State standards and incorporate the use of calculators Using Elluminate to go to specific web sites {Optional Session]	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post the lessons and activities in Item 16: Look What I Found On the Internet [A7]	1.5 hours 0.0 hours
Participants will learn ways to use the calculator as a tool for problem solving, for demonstrating math concepts, and for checking solutions	Complete a set of problems in order to learn how to use the calculator as a tool for problem solving, for demonstrating math concepts, and for checking solutions for correctness	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post solutions in Item 17: Look What I Can Do Using A Calculator [A8]	1.0 hours
Note: Office Hours this week Thursday from 8:30pm to 9:30pm on Elluminate				

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Week 4:

Planning To Incorporate the Calculator Into My Lessons

(10/30/06-11/5/06)

Objective	Activity	New York State Standards	Assessment	Time
Participants will learn ways to integrate the use of calculators into their existing lessons	Revise at least three of their existing lesson plans integrating the use of calculators	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post the lessons in Item 19: There Are Calculators In My Plans [A9]	1.5 hours
Participants will learn how to create a lesson to introduce a new concept incorporating the use of calculators	Develop a lesson to introduce a new concept by incorporating the use of calculators	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post the lesson in Item 20: Introducing A New Topic [A10]	1.5 hours

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Week 5:

Problem Solving With the Calculator

(11/6/06-11/12/06)

Objective	Activity	New York State Standards	Assessment	Time
Participants will be able to search the Internet to find lessons and activities that incorporate the use of calculators for problem solving	Search the Internet to find lessons and activities that incorporate the use of calculators for problem solving	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post the lessons and activities in Item 22: Look What I Found On the Internet [A11]	1.5 hours
Participants will learn how to create a lesson that uses calculators for problem solving	Develop a lesson that incorporates the use of calculators for problem solving	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post the lesson in Item 23: Problem Solving [A12]	1.5 hours
Note: Office Hours this week Thursday from 8:30pm to 9:30pm on Elluminate				

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Week 6:

The End Of The Road: I Can Use Calculators With My Class

(11/13/06-11/19/06)

Objective	Activity	New York State Standards	Assessment	Time
Participants will determine which topics from the New York State Mathematics assessments for their grade would benefit from the use of calculators	Looking at the New York State Mathematics assessments for their grade create a list of problems that would benefit from the use of calculators	New York State Mathematics assessments	Post the list in Item 25: Math Assessment Problems [A13]	1.0 hours
Participants will learn how to create lessons that incorporate the use of calculators to solve problems from the New York State Mathematics assessments	Develop at least three lessons that incorporate the use of calculators to solve problems from the New York State Mathematics assessments	Number Sense, Algebra, Geometry Performance Indicators in each Content Strand appropriate for participants grade level	Post the lessons in Item 26: Lessons Related To the Assessment Problems [A14]	2.0 hours
Participant evaluation of the course	Submit course evaluation	N/A	Post a note in Item 27: I Completed the Course Evaluation [A15]	0.25 hours

This is it... Congratulations

If ALL your work has been submitted properly then you have successfully completed the course.

Thank you for participating in Integrating the Calculator Into Your Daily Teaching