

Course Title: Integrating the Calculator Into Your Daily Teaching

Course Description: Participants in this course will learn ways to integrate the use of calculators into their math curriculum and into their daily math activities. Calculators have become an integral part of teaching math. Along with learning the skills and concepts our students need to become proficient with using the calculator as a tool to help find solutions to everyday problems. Using the calculator along with an understanding of the concepts will lead to increased understanding and higher achievement. This course will introduce ways to incorporate the calculator into math everyday. Participants will be learning how to solve problems on all levels using a calculator. The use of different types of calculators will be explored including a simple four-function calculator, a graphing calculator, and even calculators that can be found online. Participants will need to have a graphing calculator, scientific calculator, and basic four-function calculator. **A headset with a microphone will be needed to take advantage of office hours and to participate in the synchronous sessions that discuss and sample the use of calculators (Optional).

Learning Outcomes:

1. Participants will learn methods of incorporating the use of calculators into their daily math lessons.
2. Participants will learn how to use the calculator to solve math problems on all levels.
3. Participants will find activities that incorporate the use of calculators for problem solving.
4. Participants will create at least three lessons that incorporates the use of calculators.

Target Audience: Teachers of grades 1-6, secondary Math teachers, AIS math teachers, Inclusion math teachers, Special Education teachers, and Resource Room teachers.

Instructor: Norman Rosenbaum

Content Area: Mathematics Grades 1-12

Hours: 15