



Transitioning to the TI-84 Plus C Silver Edition in High School Mathematics

Available in 1- and 2-day configurations

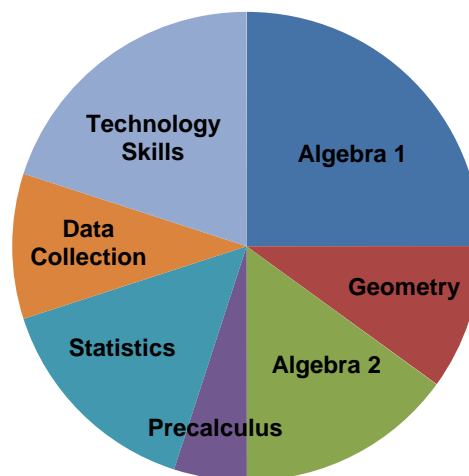
Technology Usage

- Audience:** Educators looking to learn a wide range of functions and features of the TI-84 Plus C Silver Edition for the high school mathematics classroom.
- Technology:** TI-84 Plus C Silver Edition graphing calculator, TI-SmartView™ software, TI Connect™ software, CBR 2™ motion sensor, Vernier® EasyTemp USB temperature sensor
- Overview:** This workshop focuses on appropriate usage of the TI-84 Plus C Silver Edition and supporting computer software, with an emphasis on numeric, algebraic, geometric, and statistical functionality across the high school mathematics curriculum.

Workshop Objectives:

- 1-day Introduction to key features of TI-84 Plus C Silver Edition, including graphing functions, viewing data tables, splitting screens, graphing univariate and bivariate data, and calculating a linear regression; introduction to basic features of the TI Connect software.
- 2-day Exploration of premade lessons with student questions and teacher notes; overview of the TI-SmartView emulator software; introduction to data collection with the EasyData™ app, CBR 2, and EasyTemp; opportunities for differentiation based on educators' needs.

- Algebra 1:** Linear Functions, Functions & Relations, Quadratic Functions
- Geometry:** Similarity & Proportion, Transformational Geometry
- Algebra 2:** Quadratics, Systems of Linear Equations & Inequalities, Logarithms & Exponentials
- Precalculus:** Functions & Graphs
- Statistics:** Displaying & Describing Univariate Data, Describing Bivariate Data, Probability & Random Variables



Sample Lesson: *Hit the Target*

- Objective:** Write a linear function – or a system of linear equations – that passes through a given target point. Discuss how to increase the difficulty of the lesson by asking students to graph linear functions that pass through the target point and have either a positive slope, negative slope, or slope of zero.
- Technology Skills:** Enter the coordinates of a target point into two lists; plot the point by graphing a scatter plot; graph a function; change the window settings; analyze a function using split screens with graphs, lists, and tables.