



Learning to Code with the TI-84 Plus Family of Graphing Calculators

This workshop is designed for educators interested in introducing coding to their students using the TI-84 Plus family of graphing calculators. A focus will be on coding topics which will reinforce student understanding of math and science curriculum concepts. Participants will be comfortable with using TI-Basic and transferrable skills to move to the next stage in coding.

By the end of the workshop, participants will be comfortable with:

- * Starting a new program, writing a program to display text and running the program
- * Using variables to hold values and store results in those variables
- * Showing the results of stored computations
- * Writing statements using IF/AND conditions
- * Using compound conditions with the relational and the logical operators
- * Determining errors in a program
- * Use the TI-Basic Program Editor to create and run program
- * Use simple editing features to insert and delete entries or lines of code
- * Evaluate expressions and store them as variables
- * Recognize programming features including conditions, relational operators, logical operators, and simple and compound conditions
- * Perform the basic steps for debugging a simple program

Areas of Focus

This workshop connects coding to curriculum concepts. No experience on the TI-84 Plus graphing calculator will be required as basic skills on the TI-84 Plus will be covered as they are needed.

Subject	Topics
Using Variables and Expressions	Write a program to evaluate a mathematical or scientific formula.
Conditional Statements	Analyze and adjust lines of code for a program that computes the slope of a line.
Loops and Graphics	Debug and improve a program that determines the possible dimensions of a rectangle when given its perimeter.

When: Wednesday, January 30th 2019

Where: Wilson Education Center, 2101 Grace Avenue, Charlestown, IN 47111

Time: Registration: 8:30, Workshop: 9:00—3:00

Cost: \$50.00 WESC Member, \$100.00 Non-Member

A minimum of 20 participants are required to hold this event. All registered attendees will be invoiced.

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