2016 Webinar Series

Coding Basics with the TI-nspire Technology

Texas Instruments

Panelist – John Bament

T^3 Instructor

O'Loughlin Catholic College

John is a technology fanatic! In the calculator world he is bilingual, he is happy working with the TI-Nspire and TI-84. He has a wealth of mathematical problems and activities that bring both these platforms to life. John has presented at conferences around Australia and at T^3 International (USA).

Panelist – Brian Lannen

T³ Instructor

Mathematics Teacher

Brian Lannen has been teaching for over 30 years in Victoria and NSW. He has taught Physics, Maths and Science in schools, university and TAFE colleges, was a curriculum consultant in NSW and New York and has contributed to a range of text book writing projects. He now teaches in the Diploma in Engineering course at Wodonga Institute of TAFE as well as running his own consultancy business, Murray Mathematics Curriculum Services.

Overview of this webinar

- *10 Minutes of Code* activities
- The classroom experience
  - Simple programs
  - Decision making
  - Loops
  - Subroutines
- Innovative Coding to program real-world interface

Share a bit about your coding experience.

- When did you first use a computer?

- When did you first do some (computer) coding?

- Have you ever taught coding and/or computing?
- What languages/applications?

- Are you teaching coding now? (or have done so recently)
- What resources do you use/recommend?

“The Coding across the Curriculum initiative will increase student engagement and support high quality teaching in technologies” – Media Release, Christopher Pyne, 18 Sep 2015 (along with an associated Government investment of $3.5 million over four years in resources that support teaching coding in schools).

Resource Review & Report

Coding Across the Curriculum

Texas Instruments | Education Technology

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TI Codes

Engage students in an easy-entry into programming through the eyes of a mathematician to help spark their interest in coding and computer science.

Pick your product below

TI Codes for TI-84 Plus family graphing calculators >>

TI Codes : TI-Nspire™ Technology

Introduce students to the basics of programming, a critical skill for 21st century careers, with the TI-Nspire™ handhelds, software and apps for iPad® they use every day.

10 Minutes of Code

PDF

Course of 5 Units
- Each with 3 x Skill Builders
- 1 x Application

10 Minutes of Code

Start Here

Explore the basics of coding with short, easy-to-master lessons that include everything beginners need to succeed.

Teachers' Lounge

Teachers' Lounge

Find resources to help students develop the foundational logic and mathematics of programming.

- Capability to download lessons in pdf form
- Separate files for Student & Teacher
- Link to more detailed e-books

TI Codes : TI-Nspire™ Technology

Engage students in short activities that build understanding of maths concepts, programming logic and coding skills

https://education.ti.com/en-GB/aus-nz/product-resources/ti-codes/nspire/teacher-lounge

Unit 1: Program Basics

Unit 2: Assigning Values to Variables

Unit 3: Conditional Statements

Unit 4: Loops

Unit 5: Lists, Graphs, and Dynamic Programs

TI Basic Resources >>

Lua Scripting >>

TI-Nspire™ CX Teacher Software

FREE 90-day trial >>

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