



Inspiring Generation STEM

Resources to Prepare Students for Success in Class, College and Careers



TEXAS INSTRUMENTS

Powerful. Portable.



Coding with Python and TI technology

Now available on the TI-Nspire™ CX II and TI-84 Plus CE Python graphing calculators, get students ready for 21st-century careers with this programming language that's easy to learn and used across a variety of industries.

- » **Easy-to-use interfaces help achieve mastery quickly**
- » **Portable programming allows for coding anywhere with Python**
- » **Connect coding in Python to math, science, robotics and more on a single platform**

STEM activities

Help students explore the world around them with hands-on classroom lessons. Using real-world concepts in entertainment, health and more, to fun science and math activities with the Rover and TI-Innovator™ Hub, you'll find many engaging STEM lessons for students.



STEM Behind series

Bring a fun new dimension of learning to the classroom as students explore concepts in contexts ranging from entertainment to cool careers. The activity series includes:

- » **STEM Behind Cool Careers**
TI-Nspire™ CX and TI-84 Plus CE activities
- » **STEM Behind Health**
TI-Nspire™ CX activities
- » **STEM Behind Hollywood**
TI-Nspire™ CX and TI-84 Plus CE activities
- » **STEM Behind NASA**
TI-Nspire™ CX and TI-84 Plus CE activities
- » **STEM Behind Sports**
TI-Nspire™ CX and TI-84 Plus CE activities



10 Minutes of Code

TI-Nspire™ CX, TI-84 Plus CE and TI-Innovator™ Technology activities

Spark an interest in coding, computer science and robotics, with short activities that use the Python or TI-Basic programming languages to engage students.



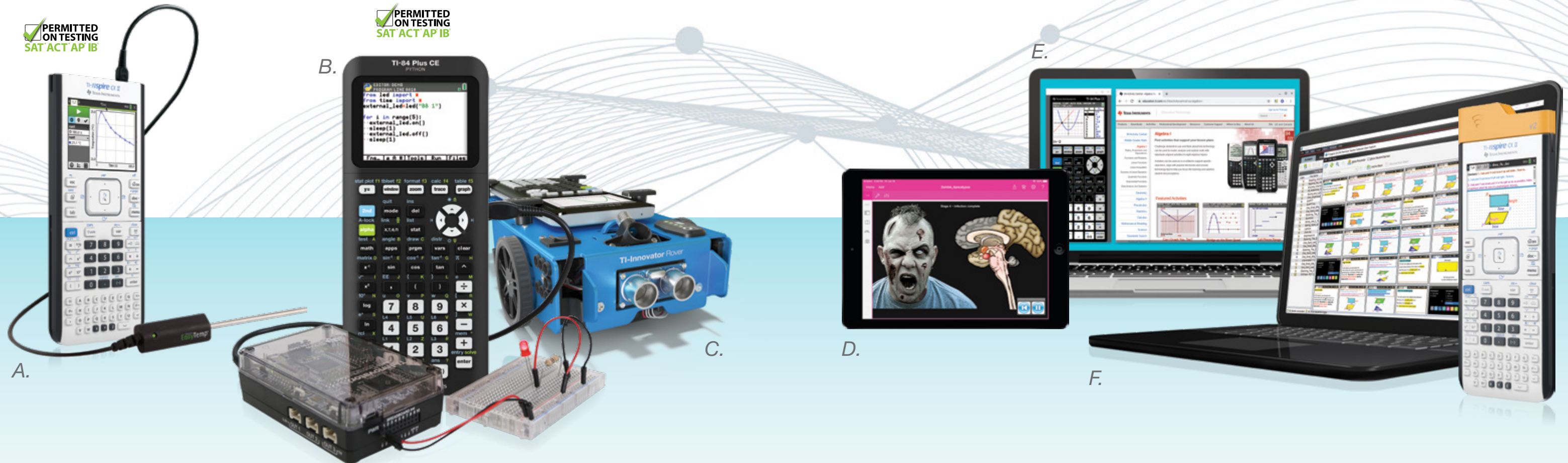
Math and Science in Motion

TI-Innovator™ Rover activities*

When the wheels are turning, students are learning coding, math, science and robotics.

Beyond graphing

Texas Instruments education technology supports data collection, coding and engineering design, and effective formative assessment in math and science education.



A. TI-Nspire™ CX II graphing calculator

Interactive science and math technology, with built-in Vernier DataQuest® application, that supports Vernier sensors.

B. TI-84 Plus CE Python graphing calculator

Supports CBR™ 2 motion sensor, Vernier EasyData® app, Vernier EasyLink® USB sensor interface and Vernier EasyTemp® USB temperature sensor systems.

C. TI-Innovator™ Technology*

Engage students in coding, engineering design, open-ended STEM projects and a path to robotics with activities and technology that is plug-and-play ready to use with TI graphing calculators.

D. TI-Nspire™ App for iPad®

Extend iPad® functionality with the TI-Nspire™ app, TI's project-based learning activities and Vernier Go Wireless® data collection systems.

E. Resources for Chromebook™

Take advantage of the TI-84 Plus CE emulator or TI-Nspire™ CX Connect solutions for use on Google Chromebook™ notebook computers.

F. TI-Nspire™ CX Premium Teacher Software

Gain real-time insight into student thinking for highly effective formative assessment.

Need help?

To choose and implement the right technology in your classroom, find an Educational Technology Consultant near you at education.ti.com/us/etc.

*Pictured: TI-Innovator™ Rover programmable robotic vehicle TI-Innovator™ Hub. TI-Innovator™ products work with TI-84 Plus CE and TI-Nspire™ CX families of graphing calculators. Components sold separately.

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Skills for success

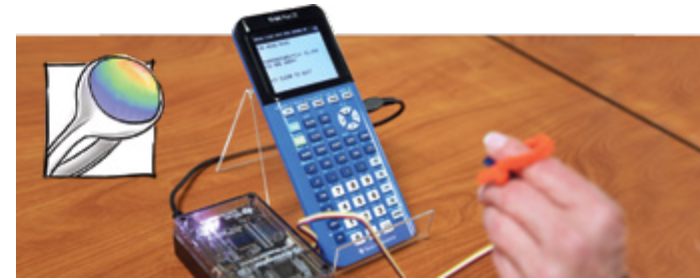


STEM Projects for clubs, camps and more

TI STEM Projects immerse students in activities that motivate and encourage collaborative problem-solving of real-world issues using TI-Innovator™ Technology. These lessons facilitate explorations in math, science, coding, STEM, engineering design and more, and they are great for after-school or summer programs.*

For more activities, or to bring TI STEM Projects to your school, go to TlstemProjects.com.

Get started quickly and easily



Moody Hues: Digital Mood Ring

An excellent first coding experience that uses a TI graphing calculator to program a TI-Innovator™ Hub. Explore variables, loops, conditional statements, Boolean operators and more.



Move the Cone: Math in Motion Plus

Use geometry concepts to write a program that maneuvers Rover on a Challenge Map.



Dog Days: Pet Car Alarm

Design, build and refine a prototype of a feedback and control loop that sounds an alarm when the interior temperature of a model car approaches the danger zone.

Get real-world experience

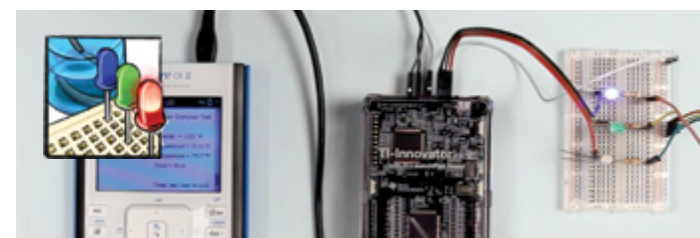


Path to STEM Projects

These projects challenge students to learn science concepts that support the development of engineering skills.

Get competitive

Science Olympiad is a nonprofit focused on improving K–12 science education by providing tournaments, non-competitive events and more. For their newest Div. C event, Detector Building, TI created resources to help teams compete. **For detailed instructions, go TldetectorBuilding.com.**



Detector building

Combine coding, engineering, math and science into a working sensor to collect data and calibrate it to match that of a store-bought digital thermometer.

Learn it, teach it

Teachers Teaching with Technology™ (T³™) delivers outstanding professional development that builds educators' confidence and expertise, resulting in higher academic achievement among middle grades and high school math and science students.

From conferences, webinars, online and in-person workshops, and more, learn, share and explore strategies for student success in math, science and STEM education.

Get details on our professional development offerings at education.ti.com/pd.

Need help?

To choose and implement the right technology in your classroom, find an Educational Technology Consultant near you at education.ti.com/us/etc.