Use the TI-Innovator to inspire the next generation of innovators and inventors

TI-Innovator™ Rover

Rover is a two-wheeled programmable robotic vehicle.

Students program Rover to put math and science in motion, adding a physical dimension to verbal, symbolic and graphic representations. Rover also provides an accessible on-ramp to more advanced coding, STEM (Science, Technology, Engineering, Math) and robotics projects.

Specifications

Durable enclosure
Three input ports   Three output ports
Breadboard connector   I²C port
Mini-USB Port   Micro-USB Power Port
Red LED   Red-Green-Blue (RGB) LED   Light Brightness Sensor
Speaker   Program languages Basic, Lua

Code: STEMROV

TI-Innovator™ Hub

The TI-Innovator™ Hub is the centerpiece of the TI-Innovator™ Technology. A project kit to make coding and engineering design accessible to students in the classroom.

The TI-Innovator™ Hub enables students to learn basic coding and design, use those skills to program and build working solutions, and connect STEM concepts.

Built for the classroom

The TI-Innovator™ Hub is enclosed in a durable case that is ready for your classroom.

Code: STEM/PWB

Interact with the real world

Students can write code to program working solutions that actuate a red-green-blue LED, single red LED, light brightness sensor and speaker built into the TI-Innovator™ Hub.

TI-Innovator™ I/O Module Pack

This pack contains I/O Module components for projects that connect science concepts, programming and coding skills.

 - The components in this pack connect to the TI-Innovator™ Hub output and input ports
 - Contains the needed components for the Science Through Engineering Design activities
 - Components can be used to extend students' programming creativity

Contents:
 - Servo motor: 360 degree, continuous rotation servo motor
 - Vibration motor: Coin type motor that vibrates
 - Light sensor: Sensor that detects the light intensity of the environment.
 - White LED: Light-emitting diode that emits white light

Code: STEMMG

TI-Innovator™ Breadboard Pack

The TI-Innovator™ Breadboard Pack is ideal for use in exploring electronics principles.
 - The components in this pack connect to the TI-Innovator™ Hub breadboard connector
 - Contains the needed components for the Path to STEM Projects activities

TI-Innovator™ Breadboard Pack Contents:
 - Breadboard
 - Forty – male to male breadboard jumper cables
 - Ten – male to female breadboard jumper cables
 - LEDs five (5)- green, ten (10)-red, two (2)-RGB
 - Resistors ten (10)-each of 100 Ohm, 1K Ohm, 10K Ohm, 100K Ohm, 10M Ohm
 - Assorted capacitors 1- each of 100 µF, 10 µF, 1 µF
 - Seven segment display
 - 940nm Infrared transmitter and receiver
 - Thermistor
 - Analog temperature sensor
 - Potentiometer with knob
 - Small DC motor
 - Diode
 - Light sensor
 - SPDT slide switch
 - Eight-Position DIP switch
 - 8 100 Ohm resistor SIP package
 - Two-Power MOSFET
 - Four AA battery holder

Code: STEMEE

CCS Educational Inc
STEM Robotics

Ultrasonic Ranger Module

This module measures distance from the module in centimeters for use in programming and STEM projects.

Code: STEMRNG

External Battery for TI-Innovator™ Hub

Optional source of power when using components that require extra power.

Code: STEMBT

Webinars

Learn how to effectively use the TI-Innovator™ System and content to engage students in the STEM classroom with these free online webinars. CCS does tutorials in schools for teacher and/or students.

Code	Description	Quantity
STEM/PWB	Innovator Hub	
STEMROV	Innovator Rover	
STEMMG	Innovator Module Pack	
STEMME	Innovator Breadboard Pack	
STEMRNG	Innovator Ranger Module	
STEMBT	Innovator Battery	
TI-84+CE	TI-84+CE Graphing Calculator	
TI-84+CE/TK	TI-84+CE Teacher Kit 10 calculators charging station	
N3/CAS	Nspire CAS Graphing Calculator	
N3/CAS/TK	Nspire Teacher Kit 10 calculators charging station	