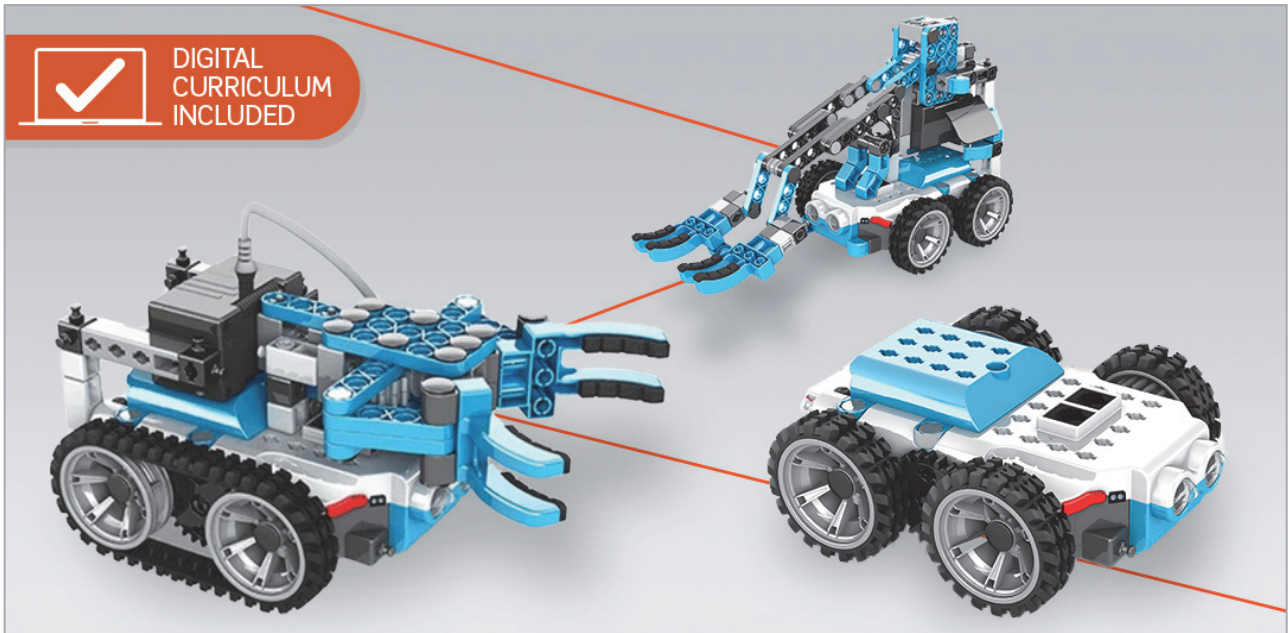


Product Information Sheet

Educational Robotics Invention Kit



DIGITAL
CURRICULUM
INCLUDED



The Educational Robotics Invention Kit is an expandable plug-and-play robot that teaches students STEM disciplines, computational thinking and digital literacy using hands-on experiences.

The combination of engineering and programming creates a dynamic environment that helps students develop problem-solving and programming skills that involve mathematics, engineering, science and logic.

The kit provides a wide range of projects and also has unlimited expansion potential – as it allows the attachment of add-on 3rd party electronics and hardware such as Raspberry Pi, and Arduino.

Typical Project Activities Include:

- Languages, machines, and computation
- Algorithms and abstraction
- Inputs and Outputs
- Data, Variables and Constants
- Control Structures
- Testing and debugging
- A series of open ended design projects to allow students to get creative

Built-in Features:

- 1x Ultrasonic sensor (Plug-n-Play)
- Micro USB connector
- 2x DC motors
- 5x manual programming buttons
- 2x Color sensors
- 5x Proximity sensors
- 4x Programmable RGB LEDs
- 2x RJ connectors for additions sensors and outputs
- Connectivity with 3rd party hardware like Arduino, Raspberry Pi and more
- On-board connectivity with extra sensors and outputs such as sound sensors, speaker and magnetometer
- On-board connectivity with a rechargeable battery
- Bluetooth connectivity

Items Included:

- Educational Robotics Invention Kit
- Rechargeable lithium battery and USB charging cable
- Curriculum-Based Learning Content

Other Items Required:

- Computer (Windows XP or later)

Order Code: 250-02

P9570-B

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