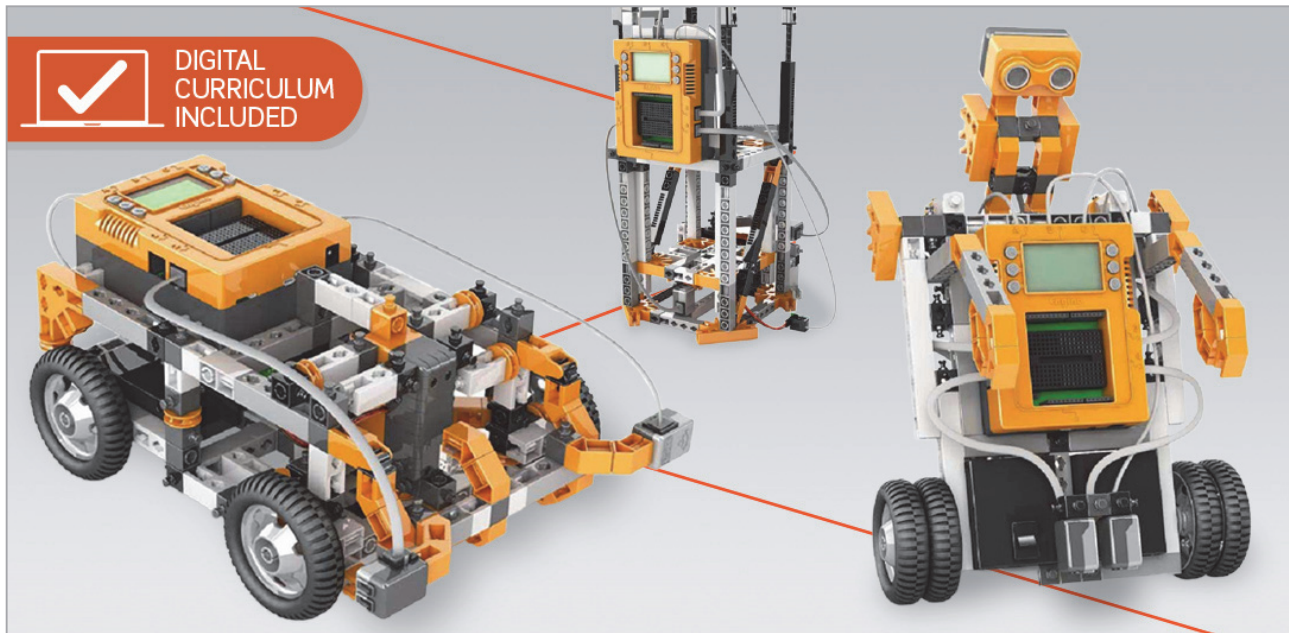


Product Information Sheet

Engineering Construction Kit



The Engineering Construction Kit is a classroom-based resource for investigating designing, building and programming robotic and automated machinery in a range of areas of technology. These areas include engineering design, agricultural technology, medical technology, mechatronics, industrial robotics, mobile robotics and transportation technology.

The Engineering Construction Kit is used within our Design and Technology program to help students develop solutions to a range of practical real-world problem-solving tasks and activities within a classroom or lab environment.

The Engineering Construction Kit includes simple, yet sophisticated, drag-and-drop programming software to allow students to design flow diagram programs to bring their models to life.

Features:

- 406 plastic construction parts
- A sophisticated control unit with Bluetooth and wireless connectivity, a USB port and display with 6 programming buttons
- A wide range of sensors and motors including:
 - Color sensor, InfraRed sensors, ultrasonic sensor
 - Compass/Magnetometer
 - DC motors and Servo Motor
- Drag-and-drop program that can run on Android and iOS tablets, Mac, Windows and Linux
- Curriculum-based learning content

Typical Project Activities Include:

- Design a railroad crossing control system
- Design a medical scanning system
- Design a fairground ride
- Design automated agricultural machines
- Design a container crane
- Design semi-automated vehicles
- Design mobile robots
- Design industrial machines and robotic systems

Items Included:

- Construction Kit
- Sensors and Motors
- Controller with USB, Bluetooth and Wireless Connectivity
- Rechargeable Battery Pack
- Programming Software
- Curriculum-Based Learning Content

Other Items Required:

- Computer

Order Code: 220-02

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For more information visit www.ljcreate.com