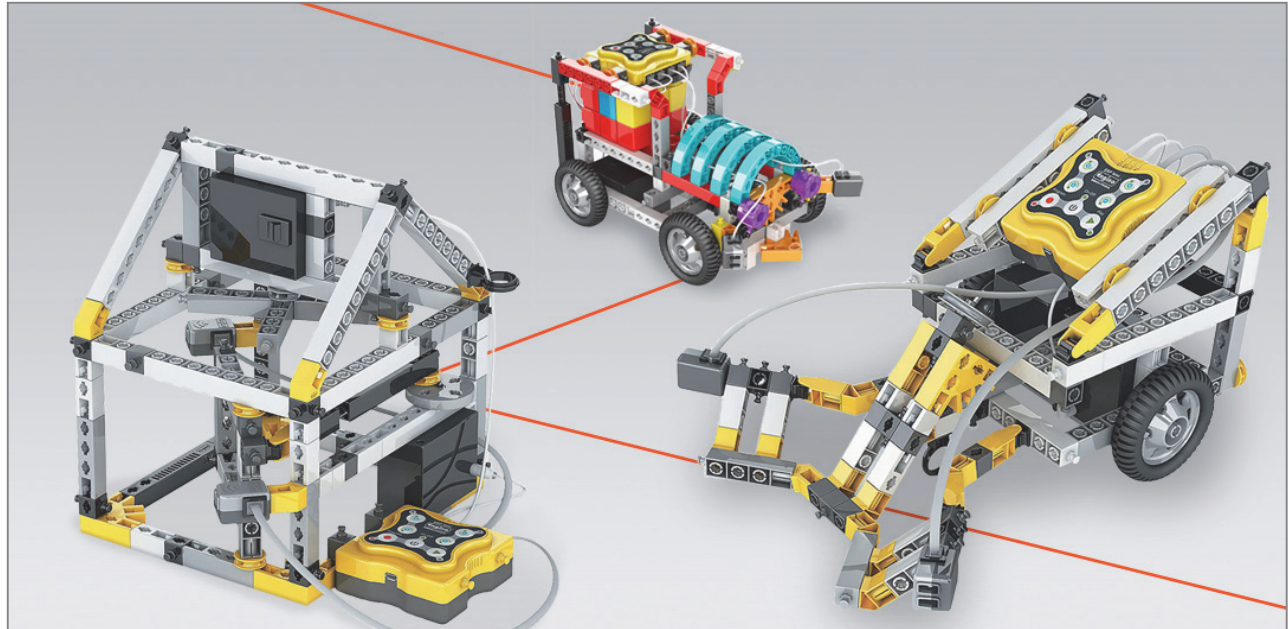


Product Information Sheet

Elementary Engineering Construction Kit



The Elementary Engineering Construction Kit is a classroom-based resource for investigating designing, building, and testing machines and other mechanical systems. A series of challenges are used to give students a taste of how STEM is applied in a range of career clusters, including manufacturing, agriculture, construction, and transportation and logistics.

The Elementary Engineering Construction Kit is used within our K-5 Living with STEM program to help students develop solutions to a range of practical real-world challenges within a classroom or lab environment.

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

Features:

- 267 plastic construction parts
- A mini control unit with Bluetooth and USB connectivity, that includes 4 input-output ports
- A range of sensors and motors including:
 - 2x IR sensors
 - 2x DC motors
 - 1x Touch sensor
- Drag-and-drop software program
- Challenge-based learning content

Typical Project Activities Include:

- Design a construction machine
- Design a power tool
- Design and build a windscreen wiper system
- Build a conveyor system
- Design a mechanical toy
- Design a mixing machine
- Explore electricity generation

Items Included:

- Construction Kit
- Controller
- Challenge-Based Learning Content

Other Items Required:

- Computer
- 3x AAA batteries

Order Code: 506-21

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For more information visit www.ljcreate.com