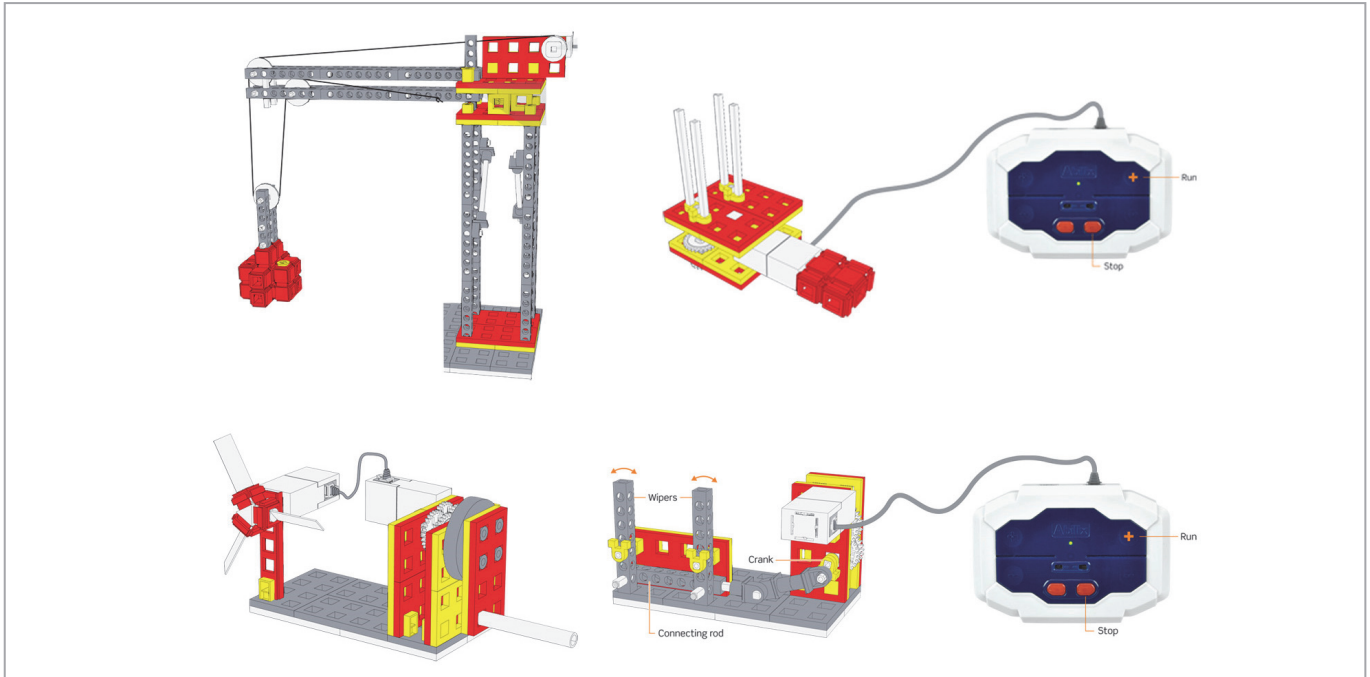


Product Information Sheet

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 includes a simple motor controller allowing the direction and speed of two motors to be controlled independently helping students bring their models to life.

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.

Features:

- Unique 3D cube-based construction kit
- A battery powered remote control unit with 2 DC motor ports
- Motors, gearboxes gears and pulleys
- Challenge based learning content with a STEM career focus

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
- Motors
- Controller
- Cloud-Based Learning Content

Other Items Required:

- Computer

General Information:

Power Requirements: 3 V (2 x AAA 1.5 V batteries)
Kit Dimensions: 470 x 354 x 234 mm (WxHxD) per kit
Packed Volume: Approx. 0.05 m³ per kit
Packed Weight: Approx. 5 kg per kit

Order Code: 506-20

P9310-A

For more information visit www.ljcreate.com