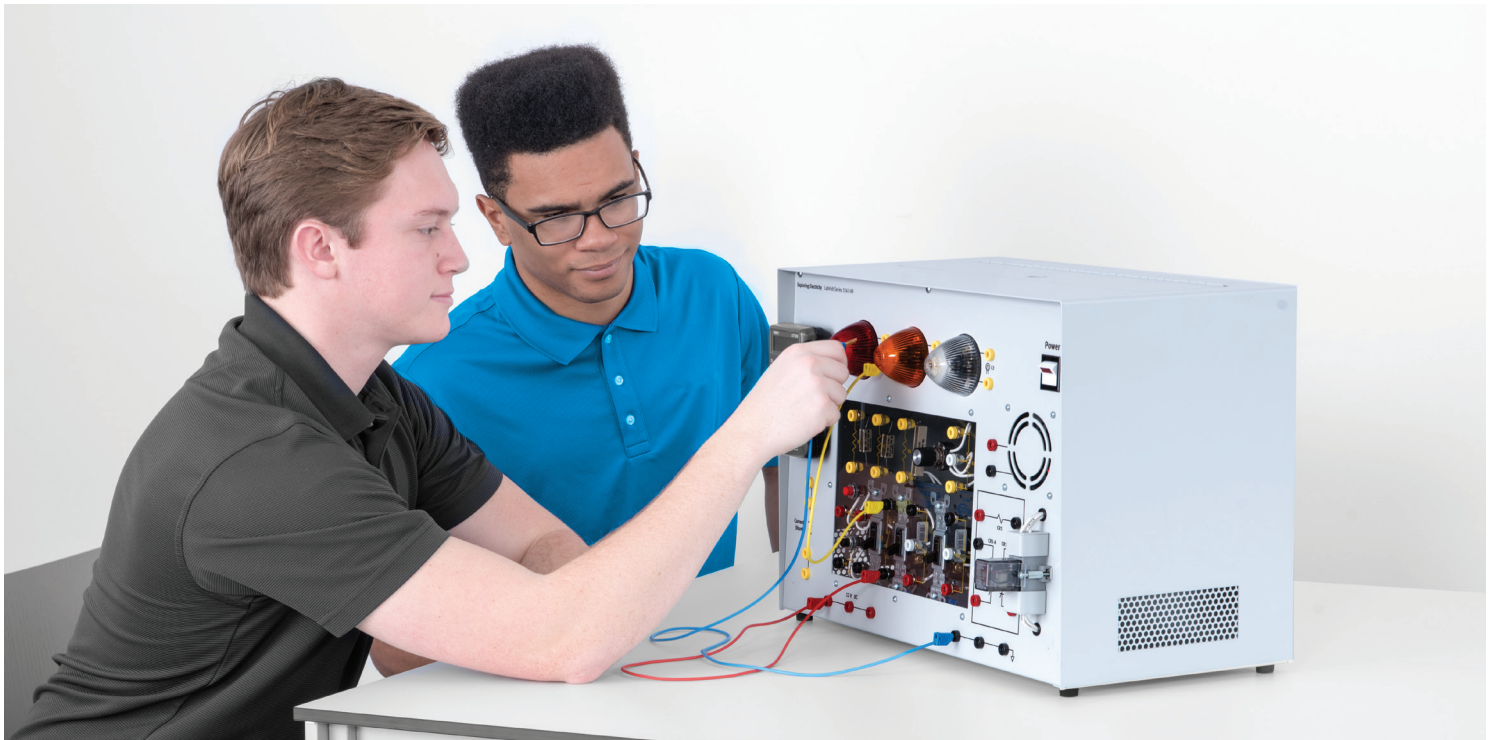


Integrative STEM Education

Exploring Electricity

FESTO



Highlights

- Explore and practice the skills needed to work with electricity.
- Wire and test electric circuits.
- Solve electrical problems typically found in both residential homes and commercial industry.
- Design innovative solutions to real-world problems, challenges, and needs.

STEM Connections

In the STEM Exploring Electricity course, students discover how the four disciplines connect as they explore and practice the skills needed to work with electricity.

Once they are familiar with electric circuits, they will have the opportunity to design innovative solutions to real-world problems, challenges, and needs.

Science

- Voltage
- Current
- Resistance
- Power
- Series and parallel circuits

Technology

- Electric lights
- Resistors
- Switches
- Relays
- Motors
- Digital multimeter

Engineering

- Electrical circuit design
- Wiring and testing electric circuits

Math

- Ohm's law
- Total voltage, current, resistance, and power in series and parallel circuits

Integrative STEM Education

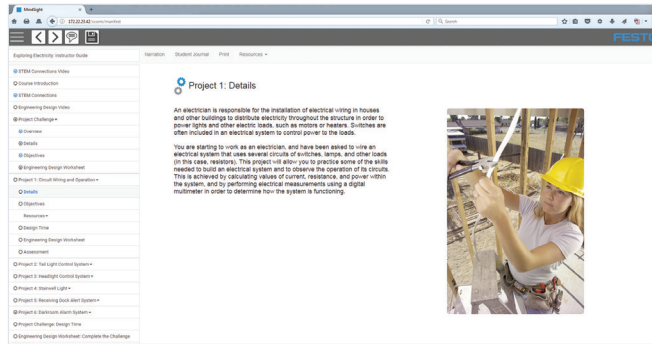
Exploring Electricity

STEM Exploring Electricity

The purpose of the STEM Exploring Electricity course is to challenge students to design electric circuits that are required to solve electrical problems typically found in both residential homes and commercial industry.

As students explore and practice the skills needed to work with electricity, they will gain some of the basic knowledge required to work as licensed electricians or electrical contractors, or to become electrical engineers.

MindSight LMS



Upon completion of the STEM Exploring Electricity course, students will be able to:

Equipment and Supplies

- Multimedia presentation
- MindSight installation and user guide
- Exploring Electricity training system
- 4mm leads: 30 cm long, 60 cm long, 90 cm long

For more information or to set up a complimentary consultation:

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