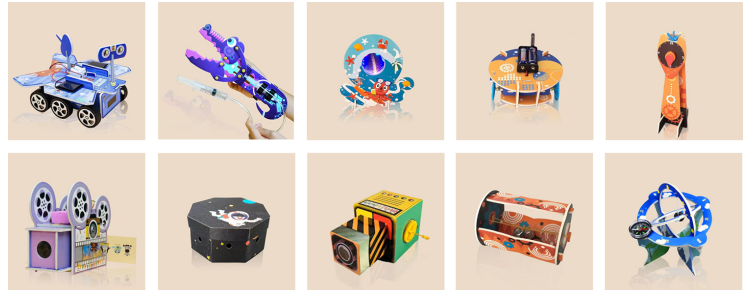


STEAM Beginner Science & Engineering Kit

STEAM-5ES

ENGINEERING
LAB PROJECTS KIT**ELECTRONIC**
BLOCKS**EARLY LEARNING**
Scientific
Experiments Kit**Spark a Love for Science and Engineering - Ideal for Grades 1-8**

HamiltonBuhl® STEAM Science & Engineering Kit (STEAM-5ES) provides students with an engaging introduction to scientific exploration, engineering design, and electronics through hands-on, project-based learning. Combining three classroom-ready activity kits into one comprehensive solution, students build circuits, conduct experiments, and construct engineering projects while developing critical thinking, creativity, and problem-solving skills.

This Kit includes:

(1) Electronic Blocks Kit (EB89), (1) Engineering Lab Kit (EL10), (1) Scientific Experiments Kit (SE11)

- **Comprehensive beginner STEAM learning:** Introduces students to foundational science, engineering, and electronics concepts through engaging, hands-on activities.
- **Encourages critical thinking and problem-solving:** Students learn by experimenting, building, testing, and discovering real-world scientific and engineering principles.
- **Supports multiple learning environments:** Ideal for classrooms, makerspaces, STEM labs, after-school programs, enrichment programs, and homeschool instruction.
- **Includes guided lesson plans:** Illustrated lesson plans and guided activities help students progress from foundational concepts to more advanced STEAM challenges.

For a detailed description of each component, please refer to Side 2.

Shipping: 9 Lbs., 22" x 18" x 11"

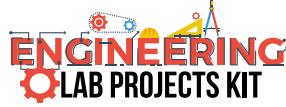


HamiltonBuhl® reserves the right to change components and specifications without notice.

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STEAM-5ES



HamiltonBuhl® Engineering Lab Projects Kit: Build, Learn, and Create!

The Engineering Lab Projects Kit is the perfect way for school students - elementary to high school - to learn about engineering and physics while having hands-on fun. With 10 projects to choose from, students can build:

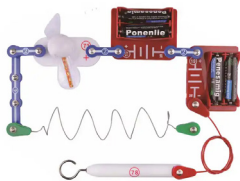
- Planet Exploration Solar Car
- Hydraulic/Air Compressor
- Time Tunnel
- Obstacle Avoidance Vehicle
- Galileo Pendulums
- Homemade Slide Projector
- Moon Phase Explorer
- Animation Projector
- Elastic Tension Roller
- Compass

This kit is perfect for students of all skill levels. The included instructions are clear and easy to follow, and the kit includes all of the materials needed to complete all 10 projects.

- Learn about engineering and physics: Students will learn about important engineering and physics concepts, such as simple machines, circuits, and renewable energy.
- Develop problem-solving skills: Students will need to use their problem-solving skills to build and troubleshoot their projects.
- Be creative: Students can use their creativity to design and build their own unique projects.
- Have fun: Engineering is fun! Students will enjoy building and experimenting with their projects.
- For Ages: 6+ years; Grade Levels: 1+; Warranty: 30 Days
- Material(s): ABS Plastic|Foam Core|Metal|Rubber Band|Solar Panels|String|Velcro|Wires
- Kit Projects: Planet Exploration Solar Car; Hydraulic/Air Compressor; Time Tunnel; Obstacle Avoidance Vehicle; Galileo Pendulums; Homemade Slide Projector; Moon Phase Explorer; Animation Projector; Elastic Tension Roller; Compass.



Planet Exploration Solar Car



HamiltonBuhl® Electronic Blocks Kit

The HamiltonBuhl Electronic Blocks Kit is the essential building block of all modern technology. From computers and smartphones to cars and airplanes, circuits are responsible for controlling and powering the devices we rely on every day.

By teaching students about electronic circuits, you can help them develop essential STEAM skills, such as critical thinking, problem-solving, and creativity. You can also help them prepare for future careers in engineering, technology, and other STEAM fields.

Our electronic circuits and blocks are designed specifically for students in grades 1-8. It is engaging, hands-on, and comes with free age-appropriate lesson plans and activities covering a wide range of topics, including:

- The basics of electricity and magnetism
- Different types of electronic components
- How to design and build simple circuits
- How to troubleshoot and repair circuits
- More advanced circuit design concepts
- For Ages : 6+ years; Grade Levels: 1+; Warranty: 1 Year
- Material(s): ABS Plastic|Metal|Wires
- Kit Components: Kit Includes: 21 different-sized wires, FM module, 3 LED components, 5 switches, whistle chip, touch plate, photoresistor, 3V lamp, 2 battery holders, speaker, 3 integrated circuits, 2 motors, IR receiver, maze wand, metal wire, 2 jumper wires, magnet, 2 fan blades, base grid, fiber optic tree, light post, mounting base, 2 metal rings, and lesson plans.

HamiltonBuhl® Early Learning Scientific Experiments Kit

This kit includes everything you need to get started with 11 engaging and educational experiments, including droppers, funnels, goggles, test tubes, measuring spoons, measuring cup, magnifier, tweezers, plastic cup, and beaker. Plus, each experiment comes with a detailed lesson plan that makes it easy to teach your students about important scientific concepts like states of matter, density, and chemical reactions.

- For Ages: 5+ years; Grade Levels: K+; Warranty: 30 Days
- Material(s): ABS Plastic|Polyester|Rubber
- Kit Components: Kit Includes: Droppers, funnels, goggles, test tubes, measuring spoons, measuring cup, magnifier, tweezers, plastic cup, beaker, name badge, lab coat and lesson plans.

The Early Learning Scientific Experiments Kit is perfect for elementary school students of all ages and abilities. It's a fun and hands-on way to get your students excited about science and learning.

