

HAMILTONBUHL®

STEAM-STEM KITS

Beginner Level STEAM/STEM Kit

STEAM-2BE



The HamiltonBuhl® STEAM-2BE Kit is full of new ways to create and learn. From robotics to circuitry and green screen broadcasting to stop-motion animation and 3Doodler Pens, this kit is chock-full of fun and learning!

Students can collaborate to program Edison robots, see their faces light up when they make Circuit Mania's circuitry light up, prepare a script and learn to use stop motion animation, use a green screen to broadcast a show, news or weather, and use any background, then add captions to the teleprompter, and create almost anything with the 3Doodler Pen Kit, with six 3Doodler pens, lesson plans and teacher guides to maximize student creative ability!

The STEAM-2BE is an invaluable turnkey solution kit – worthy of any classroom – and every student.



The STEAM-2BE Kit Includes:

- (1) GRN-KIT HB Green Screen Production Kit™ with Webcam
- (1) ANI-KIT "I Can Animate" Stop-Motion Animation Kit™ with Webcam
- (5) VRQ-IND VR Quest® Game-Building Virtual Reality Software (delivered via email) 5 Licenses
- (10) EDIBOT-1 Edison Educational Robot Kits
- (1) 8SPSHALFED Each 3Doodler® Starter Pack Contains:
 - (1) **Teacher's Kit:** Includes Teacher's checklist, 3Doodler poster, Welcome Note, Cheat Sheet, (2) Lesson Plans, Manual, EDU Booklet, Start Activity Guide, DoodleBlock™ Guide, (2) Unblocking Tools, Troubleshooting Guide
 - (2) **Student Kits:** Each Includes (3) 3Doodler® Start 3D pens, (3) Micro-USB Charging Cables, (6) DoodleBlocks™, (3) Start-DoodlePads™, Plastic Kit with 600 strands of 3Doodler® Start Plastic Filaments
- (5) CM-FL Circuit Mania™ LED Circuitry Kit – Flower
- (1) LCB Heavy-Duty Polyester Carry/Storage Case

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

Shipping Box One: 10 Lbs.; 21" x 16" x 8"

Shipping Box Two: 7 Lbs.; 14" x 8" x 8"



80 Little Falls Road, Fairfield, NJ 07004
Phone: 1-800-631-0868 • Fax: 1-800-398-1812
sales@hamiltonbuhl.com

www.HamiltonBuhl.com

STEAM-2BE

Green Screen. Production Kit



(1) Green Screen Production Kits (GRN-KIT)

The HB Green Screen Production Kit includes everything a student, a classroom or a school would need to create engaging and professional looking broadcasts, presentations and short movies. Utilize this highly saturated green screen with any scene or background. Become an anchorperson in front of a weather map! Includes (1) USB Webcam and (1) "I Can Present" software license with loads of features! Each kit includes:

- (1) "I Can Present" Software
- (1) 9' x 60" Green Screen Backdrop
- (1) 720p HD Webcam

(1) HB Animation Studio Kits (ANI-KIT)

The simple and easy to use "I Can Animate" software has an intuitive interface with stunningly powerful features that will have your students creating stop-motion animations in no time! The Animation Studio Kit™ includes (1) 720p HD gooseneck webcams with non-slip base, and (1) "I Can Animate" Stop-Motion Animation software license. Import audio, still photos and video images too! Each kit includes:

- (1) "I Can Animate" Software
- (1) 720p HD Webcam

"I Can Animate" Software and System Requirements:

- Windows PC Users: Windows XP, Vista, 7, 8 or 10, Microsoft .Net Framework 4 (available as a free download from the Microsoft website). Graphics card recommended and should support DirectX 9 Shader Model 2.0
- Mac Users: Intel Mac, OS X version 10.8 to Mojave 10.14.x (NOT AVAILABLE FOR CATALINA OS), 1.5GB RAM (2GB RAM recommended), 2GHz CPU, 100MB HD space. NOTE: Jan-2020 Update - We are working as quickly and diligently as possible to ensure we have an upgraded version for the newly released Catalina (MAC OS 10.15) in as short a time as possible.

ANIMATION STUDIO Kit



Edison

3Doodler



(10) EDIBOT-1 Edison Educational Robot Kit

Edison Robot is the result of a genuine passion for innovation and a vision to make electronics, engineering, robotics and programming accessible to as many people as possible. These LEGO® compatible educational robots are clean, safe, reusable, expandable and robust, providing students across all grade levels, from ages 5+, with a range of combinations and possibilities. Each Edison robot features a host of sensors and can be programmed using a growing number of FREE software applications: EdBlocks, EdScratch and EdPy, for example.

One Edison can communicate with another over IR, and can also be programmed by and controlled with TV and DVD remotes.

- Program Edisons with a number of free software applications and barcodes
- FREE Robotics Education Lesson Plans
- Built to last – Rugged and tough

3Doodler® Including: (2) Student Kits (2 kits, each with 3 pens) and (1) Teacher's Kit

The 3Doodler® Kits are a turnkey way for students to get creating in 3D. Make your own template to erect or follow the guides included in the Kits. What a great way to learn and have fun, too!

Each 3Doodler® Starter Pack contains:

- (1) **Teacher's Kit:** Includes Teacher's checklist, 3Doodler poster, Welcome Note, Cheat Sheet, (2) Lesson Plans, Manual, EDU Booklet, Start Activity Guide, DoodleBlock™ Guide, (2) Unblocking Tools, Troubleshooting Guide
- (2) **Student Kits:** Each Includes (3) 3Doodler® Start 3D pens, (3) Micro-USB Charging Cables, (6) DoodleBlocks™, (3) Start DoodlePads™, Plastic Kit with 600 strands of 3Doodler® Start Plastic Filaments

CIRCUIT MANIA™



(5) CM-FL Flower Circuit Mania™ Kits

Circuit Mania™ is a fun, exciting and engaging way for kids to learn about conductivity, circuits and LED lights helping to cultivate a host of important skills: problem solving, trial and error, creating with paper and following instructions. Circuit Mania™ projects are ideal for any child looking to hang up some eye-catching paper projects around the room or parents searching for a way to mix arts and education.

The step-by-step instructions walk you through the process of creating a student's light-up Circuit Mania™ project. Each package includes two sheets of different colored paper with outlines, a battery, an LED, strips of conductive tape and a clip.