

HAMILTONBUHL®

# STEAM-STEM KITS

## Intermediate Level STEAM/STEM Kit

steam/STEM kit

### STEAM-3B



The HamiltonBuhl® STEAM-3B Kit is filled with imaginative ways for students to create and learn. From programming and robotics, to green screen broadcasting to stop-motion animation, creating with the 3Doodler and discovering the microscopic world, this kit is chock-full of fun and will have students excited to use these tools for STEAM/STEM learning!

Students can collaborate to program Edison robots in numerous ways, learn to use to create stop motion animations, write a script and use a green screen to broadcast a show, news or weather, and use any background from anywhere in the world, add captions to the teleprompter, draw almost anything in 3D with the 3Doodler, see the microscopic world and maximize student creative ability! These are all great tools for in-class collaboration that will bring STEAM/STEM learning to life!

STEAM-3B is an invaluable turnkey solution kit – worthy of any classroom – and every student.



#### The STEAM-3B Kit Includes:

- (1) GRN-KIT
- (1) ANI-KIT
- (2) EDIBOT-1
- (1) 8SPSHALFED

HB Green Screen Production Kit™ with Webcam  
 "I Can Animate" Stop-Motion Animation Kit™ with Webcam  
 Two Edison Programmable Educational Robot Kits

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

- (2) SCOUT™ MICROSCOPE
- (2) SPECIMEN SLIDES SET

Two Microscopes with 6 different range lenses  
 Two Specimen Sets, each with: Root & Stem, Leaf & Epidermis, Pollen & Starch, Wing & Leg, Tiny Creature, and Hair & Fiber

- (1) LCB

Durable, Laminated Storage/Carry Box

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

Shipping Box One: 8 Lbs.; 21" x 16" x 8"  
 Shipping Box Two: 12 Lbs.; 18" x 15" x 14"



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## STEAM-3B

### Green Screen Production Kit



#### (1) Green Screen Production Kit (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

### ANIMATION STUDIO Kit



#### (1) HB Animation Studio Kit (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" 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.

### 3Doodler



#### 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



#### (2) Edison Educational Robot Kits (EDIBOT)

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

### SCOUT MICROSCOPE™



#### (2) Scout™ Microscopes

Ignite the sparks of curiosity and fan the flames of interest in science for early learners with the Scout™ Digital Microscope! Built rugged for younger students, Scout™ features six different magnification lenses on a vertical rotating wheel – magnifying to 100x, 200x, 300x, 400x, 500x and 600x. With live images displayed on a computer, every student in the class will be mesmerized by the fascinating microscopic world around them.

Features a one-touch snap button for instant image capture, video recording and timed shots, Scout™ Microscope will be an invaluable STEAM tool in the classroom, introducing the fascinating world of science to students.

#### (2) Sets of Specimen Slides

Two Specimen Sets, each with: Root & Stem, Leaf & Epidermis, Pollen & Starch, Wing & Leg, Tiny Creature, and Hair & Fiber