HAMILTONBUHL®
STEAM-STEM KITS
Beginner Level Deluxe STEAM/STEM Kit

STEAM-2DX

The HamiltonBuhl® STEAM-2DX Deluxe Kit is filled with new ways to create and learn. From programming and robotics, and LED circuitry to green screen broadcasting to stop-motion animation, and from microscopic fun to unearthing and putting together ancient dinosaurs, this kit is chock-full of fun and learning!

Students can collaborate to program Edison robots, prepare a script and learn to use to create stop motion animations, 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, and maximize student creative ability!

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

The STEM-2DX Kit Includes:

(1) GRN-KIT	HB Green Screen Production Kit™ with Webcam
(1) ANI-KIT	Animate-It! Stop-Motion Animation Kit™ with Webcam
(2) EDIBOT-1	Two Edison Programmable Educational Robot Kits
(1) SCOUT™ MICROSCOPE	Microscope with 6 different range lenses
(1) SPECIMEN SLIDES SET	Specimens: Root & Stem, Leaf & Epidermis, Pollen & Starch, Wing & Leg, Tiny Creature, and Hair & Fiber
(5) CM-FL	Circuit Mania™ LED Circuitry Kit – Flower
(1) PH-MMT	Paleo Hunter™ Dinosaur Dig Kit – Mammoth
(1) PH-STS	Paleo Hunter™ Dinosaur Dig Kit – Stegosaurus
(1) PH-TRT	Paleo Hunter™ Dinosaur Dig Kit – Tricerotops
(1) LCB	Durable, Laminated Storage/Carry Box

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

HamiltonBuhl®
Never-Ending Learning Innovation

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(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

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

The simple and easy to use Animate It! 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) "Animate It!" Stop-Motion Animation software license. Import audio, still photos and video images too! Each kit includes:

• (1) Animate It! Software
• (1) 720p HD Webcam

Animate It! 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.

(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

(1) Scout™ Microscope

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.

(1) Set of Specimen Slides: Root & Stem, Leaf & Epidermis, Pollen & Starch, Wing & Leg, Tiny Creature, and Hair & Fiber

(1) PH-MMT Paleo Hunter™ Mammoth Dinosaur Dig Kit
(1) PH-STS Paleo Hunter™ Stegosaurus Dinosaur Dig Kit
(1) PH-TRT Paleo Hunter™ Tricerotops Dinosaur Dig Kit

Spark a curiosity for Paleontology and inspire children with Paleo Hunter™ – the awe-inspiring project for kids ages 6+. Unearth the history of our planet and uncover ancient dinosaur fossils with Paleo Hunter™. Kids use the included tools to chip away at the block of material to discover what is hidden beneath the surface. Once the dinosaur fossils have been uncovered, they combine each fossil to create a complete skeleton. This STEAM kit includes 3 dinosaurs: the Mammoth, the Stegosaurus and the Tricerotops.

(5) CM-FL Circuit Mania™ Flower 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 pack includes two sheets of different colored paper with outlines, a battery, an LED, strips of conductive tape and a clip.