

HAMILTONBUHL®

STEAM-STEM KITS

Intermediate Level STEAM/STEM Kit

STEAM-4i



The HamiltonBuhl® STEAM-4i Kit is filled with imaginative ways for students to create and learn. From programming and robotics, to green screen broadcasting to stop-motion animation, and microscopic discovery, this kit is chock-full of fun and will have students excited to use all 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, study and be amazed by the microscopic world, broadcast a professional podcast, draw in 3D with the 3Doodler, and maximize student creative ability! These are all great tools for in-class collaboration that will bring STEAM/STEM learning to life! STEAM-4i is an invaluable turnkey solutions kit – worthy of any classroom – and every student.



The STEAM-4i Kit Includes:

(1) PCAST4

Podcasting Kit – Making a Great Audio Recording for a Podcast Is Easy – If You Have the Right Broadcasting Equipment! HamiltonBuhl® has specially-designed this Podcasting Kit to provide excellent sound quality for recording music, singing and podcasting needs.

(1) GRN-KIT

HB Green Screen Production Kit™ with Webcam

(1) ANI-KIT

"I Can Animate" Stop-Motion Animation Software with Webcam

(10) EDIBOT-1

Ten Edison Programmable Educational Robot Kits

(6) EDIBOT-C

Six Edison Expansion Kits

(1) 8SPSHALFED

This 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

(1) SCT-PRO

Scout-Pro™ Microscope

(1) LCB

Durable, Laminated Storage/Carry Box

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

Shipping Box Two: 11 Lbs.; 16" x 12" x 11"

Shipping Box Three: 11 Lbs.; 16" x 12" x 11"

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



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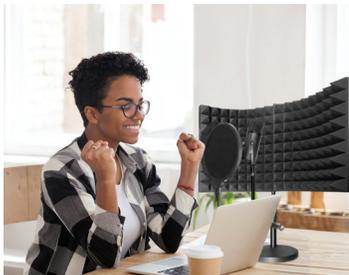
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steam/STEM kit





STEAM-4i



On-Air™ Podcast Kit Includes:

- (1) USB plug-and-play omnidirectional/cardioid podcasting microphone with desktop stand (removable base)
- Rich, clear sound quality
- Microphone adjusts to any angle
- Headphone volume control knob; gain control knob

(1) Round Microphone Windscreen/Pop Filter

This double-nylon layer Microphone Windscreen/Pop Filter provides noise-protection, helping get better audio recordings. The 360° flexible gooseneck arm allows precise positioning and the swivel mount is easy to install.

- Windscreen diameter: 5.9"
- Gooseneck holder length: 14.6"
- Adjustable C Clamp: affixes securely to the mic stand

(1) Folding Sound Isolation Shield

This Sound Isolation Shield makes clean, controlled, and noise-free recordings, reducing unwanted room noise. Compact, portable, lightweight, foldable design. Kit includes the stand and base. Compatible with Windows And Mac OS.



(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 "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 webcam 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

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® 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

(10) Edison Educational Robot Kits (EDIBOT) & (6) Robot Expansion Construction Kits (EDBOT-C)

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.

Each Lego-compatible Edibot-C kit includes 115 blocks, pegs, gears, and other parts all created to interlock together and onto the Edison robot. Use This Expansion Kit To Build the Tank, Digger, Robo Claw, Crane and Printer.

- Program Edisons with a number of free software applications and barcodes
- FREE Robotics Education Lesson Plans

(1) Scout Pro™ Microscope

With its 4" built-in digital display, ScoutPro™ is the ideal solution for collaborating in the science lab – displays video, images, or live viewing directly on its screen as well as on a PC via a USB connection, making sharing with students even easier. Magnified objects are instantly displayed on its built-in 4" monitor or on any computer monitor. Take screenshots, capture video and zoom in or out, all from a distance, with the included remote control. Magnify objects by adjusting the digital microscope bracket to bring the lens closer to the object being viewed. Additionally, ScoutPro™ can magnify objects 5x digitally beyond its optical magnification.

