Intermediate Skill Level Deluxe STEAM Pack

STEM-3D

STEM-3D Pack Includes:

(1) Edison Educational Robot Kit – **Set of 10**

(5) HB Invent! Kit Assembling and Coding Robot

(3) Boost-R-Bots™ Engineering Kit

(2) STEAM SNIPS™ Electronic Building/Coding Modules

(1) HB LED Hydroponic GrowLight™ Kit

(1) Large Lockable Carry Case (lock not included)

STEM education creates critical thinkers, increases scientific thinking and literacy, and enables the next generation of innovators.

Enhance your current STEAM curriculum with HamiltonBuhl's Intermediate Skill Level Deluxe STEAM Education Pack loaded with 21 individual items. The pack includes Edison and HB Invent! coding robots, Boost-R-Bots block-building engineering robot kits, STEAM SNIPS Electronic Building and Coding Modules and HB LED Hydroponic GrowLight Kit!
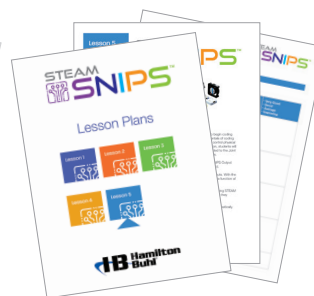
This intermediate level pack is ideal for middle school and high school grades, but can also be used in elementary school grades, where STEAM curriculum was introduced from the start.

Each product in this STEAM Starter Pack comes with FREE downloadable lesson plans. Aligned to the required standards, the lesson plans include worksheets, teacher's guides, evaluation rubrics and more.

FREE Downloadable Lesson Plans!

Edison Lesson Plans and Teacher's Guides

STEAM-Snips Lesson Plans

Hydroponic GrowLight Lesson Plans

Intermediate Skill Level

80 Little Falls Road, Fairfield, NJ 07004
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Never-Ending Learning Innovation

Intermediate Skill Level Deluxe STEAM Pack

STEM-3D Go to the **STEM-3D** listing on www.HamiltonBuhl.com for full specifications on each product.

intermediate level

EDIBOT-10   Edison Educational Robot Kit

- Includes set of 10 Edisons
- Easy to use – With many pre-programmed functions activated by barcodes
- FREE Robotics Education Lesson Plans
- Built to last – Rugged and tough, can withstand a car driving over it and still function!

MRT3   Boost-R-Bots™ Robot Kit

- Includes 3 sets of 80 blocks each of various shapes and sizes
- Step-by-step guide on how to built 15 different more complex robots
- Cross all k-12 grade levels

SNIP18 STEAM SNIPS™ Kit
Electronic Building and Coding Modules

- Power modules – everything requires energypower-booster-pack.png
- Input modules – sensors and detectors to sense, detect and collect environmental data – sound, light, temperature, humidity, motion, tilt, flame, IR distance, water moisture, ultrasonic, switches, buttons, dimmers
- Output modules – produce motion, audio and visual effects that include LED lights, buzzers, speakers, motors, relays, servos and fans
- Controller– controls output based on logic and can be combined with other programmable modules to adjust input and output parameters.

HGLITE   LED Hydroponic GrowLight™
Indoor Gardening Kit

- Growth is completely contained in the GrowLight™ unit
- Easy to set-up, maintain and keep clean
- No soil needed – uses hydroponics and nutrient solutions to keep plants healthy
- Increases plant yield and speeds up growth
- Easy Set Day/Night Timer
- Expandable – Easily stack multiple units to create a larger indoor garden!

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STEAM

Intermediate Skill Level Deluxe STEAM Pack

intermediate level

x5

INVBOT HB Invent! Kit

- Includes 5 sets of HB Invent! — Programmable, free open source graphical programming software
- Easy to follow coding instructions
- Multiple Lesson Plans and Curriculum Guide

Large, Lockable Carry Case

- Easily transport and store many kit components in one case

STEM-3D Weights and Shipping Dimensions:

Box 1: 23.8 lbs. / 31.1" x 20.5" x 12.2"
Box 2: 30 lbs. / 30" x 21" x 9"
Box 3: 9 lbs. / 26" x 12" x 8"