STEM Kit Inventory 2018

Learning Resources "Let's Go Code!" Activity Set
Quantity: 1
Ages 5+
$34.99

Children will have fun while building gross motor skills by stepping, hopping and turning. This set introduces children to early coding and programming ideas without electronics. The full-color guide includes sample mazes and coding overview. Mats measure 9½"L x 9½"H.

Educational Benefits

- Learning Style: Visual, Kinesthetic, Tactile
- Skill Development: Critical thinking, Sequential thought, Problem solving, Gross motor skills, Directional sense, Following directions

Includes
- 20 Foam maze mats, 20 Double-sided coding cards, Die-cut pieces including: 2 robots, 2 gears, 2 springs, 2 arrows, and 2 Xs

•Mats measure 9½"L x 9½"H.

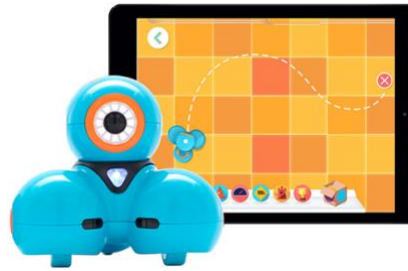# Wonder Workshop Dash Robot

Quantity: 2
Ages 6+
$149.95
Requires downloadable app and device to use.

- Dash is a real robot for children ages 6 and up that is responsive to its world; your child can bring it to life with our free apps available on iOS and Android. Dash comes with hundreds of exciting coding adventures and projects available in Wonder and Blockly apps.
- Use your Apple or Android smart phone or tablet to program Dash to move, dance, light up, make sounds, avoid obstacles, and even react to their voice. With the revolutionary free app Wonder, kids can program Dash to be the real robot pet, pal or sidekick of their dreams.
- No instructions needed! Our Wonder and Blockly apps feature built-in challenge tutorials that teach you how to program Dash from the very beginning of each program! Forget robot camp - you can easily learn Blockly and Wonder right in the app!
- Comes fully assembled, no batteries required. Comes with USB charging cable and two Building Brick Connectors to extend play with LEGO® and LEGO® Technic compatible bricks.
- Awards: 2015 National Parenting Gold, Time to Play Magazine 2015 Holiday Most Wanted List, Opening Minds Innovation for Schools, ISTE Best of Show for Schools

Wonder Workshop Dash's Xylophone

Quantity: 2
Ages 6+
$38.99
Requires downloadable app and device to use.
*For use with Dash Robot

- Turn Dash into a one-robot light show and marching band with the xylophone
- Your child can compose songs or remix a sample song from our library while learning concepts like loops and sequencing
- Download the free Xylo app to make the most out of your xylophone accessory
- Use with Wonder Workshop Dash Robot, sold separately

Wonder Workshop Dot Robotics Kit

Quantity: 2
Ages 6+
$49.99
Requires downloadable app and device to use.

- Dot comes with hundreds of exciting coding adventures and projects available in Wonder and Blockly apps. Kids program Dot's lights, sounds, and sensors in the apps and see Dot come to life.
- Use your Apple or Android smart phone or tablet to transform Dot into hundreds of different toys and gadgets, such as a lively alarm clock, flying spaceship, a funny fortune teller, or even an electronic instrument.
- No instructions needed! Our Wonder and Blockly apps feature built-in challenge tutorials that teach you how to program Dot from the very beginning of each program! Forget robot camp - learn Blockly and Wonder right in the app!
- Comes fully assembled, no batteries required. Comes with USB charging cable. Compatible with Wonder Workshop's Building Brick Connectors (sold separately), to extend with LEGO and LEGO Technic compatible bricks.
- Awards: National Parenting Gold, Opening Minds Innovation for Schools, ISTE Best of Show for Schools

Wonder Workshop Dash Launcher

Quantity: 2 (Each includes 10 Pieces)
Ages 6+
$24.99
Requires downloadable app and device to use.
*For use with Dash Robot

- The Launcher is a fun accessory that turns your Dash Robot into a projectile hurling machine
- Using the free mobile apps for Apple, Android or Kindle, Dash can load, launch and reload and launch again
- Use the apps to vary the power on the launcher to try to aim for different targets
- Comes with launcher, 3 projectiles, and 6 stacking targets that are compatible with LEGO compatible bricks to make more challenging targets

Wonder Workshop Dot and Dash Accessory Pack
Quantity: 1 (includes 3 pieces)
Ages 6+
$39.99
Requires downloadable app and device to use.
*For use with Dash <u>or</u> Dot Robot

- Give Dash & Dot new abilities and expand your imagination using Snap-On accessories
- Transform Dash into a cleaning machine with the bulldozer bar
- Bring your other toys along for the adventure with the tow hook
- Have some fun with Dash & Dot with the bunny ears and tail.
- Use with Dash & Dot robots from Wonder Workshop, each sold separately.

Scarab HEX BUG

Quantity: 1
Ages 8+
$7.99

The Scarab is a high-speed, mechanical, beetle-like robotic bug that skitters around on six legs!

The high energy HEXBUG Scarab propels itself forwards and backwards, and is capable of popping from its back to its feet if placed upside down. The combination of the Scarab's six specially designed angular legs, coupled with its lightning speed, make it easy for it to scurry away from obstacles in its path and flip over if caught on its back. This bug is filled with robotic intelligence, and protected by a hard, transparent exoskeleton casing.

Nano HEX BUG

Quantity: 5 in a set
Ages 3+
$9.99

The HEXBUG nano is a tiny, collectible, micro robotic creature that uses the physics of vibration to propel forward and explore its environment. Powered by a tiny motor, and 12 fixed, angular legs, the industrious critter traverses the ground beneath it and quickly navigates through the most complex mazes. Possessing an uncanny sense of balance, it can even flip to its feet and zoom forward when turned on its back! When coming into contact with an object in its path, the energetic insect will switch directions and scurry away on a new path due to its persistent random behavior.

Nano Nitro HEX BUG

Quantity: 5 in a set
Ages 3+
$19.99

Welcome to the next generation of HEXBUG nano, with a full throttle kick!

Welcome to the next generation of HEXBUG nano, with a full throttle kick! A new take on an internationally beloved favorite, HEXBUG nano Nitro is juiced up and ready for action. Consider them to be everything you know and love about the nano V2, with a boost of speed. Scaling up tubes, around corners, and across the floor, HEXBUG nano Nitro is faster at covering more ground than ever!

SparkFun Mini Inventor's Kit

Quantity: 1
Ages 10+
$44.95

The SparkFun Mini Inventor's Kit (SMIK) is a great way to get started with programming and hardware interaction with the Arduino programming language. This mini SIK includes everything you need to complete 8 circuits that will teach you how to blink an LED, read sensors, drive servos, and more. You don't need any previous programming or electronics experience to use this kit.

The on-line SIK Digital Guide (in the *Documents* section below) contains step by step instructions of how to connect each circuit with the included parts. Full example code is provided and explained and even includes troubleshooting tips if something goes wrong.

The kit does not require any soldering and is recommended for beginners ages 10 and up. This miniature version of the SIK includes the first 8 experiments of our full sized SIK to make it cheaper and more practical for beginning and interested users.

Bee-Bot Rechargeable Robot
Quantity: 2
Ages 3+
$89.95

Bee-Bot is an exciting new robot designed for use by young children. This colorful, easy-to-operate, and friendly little robot is a perfect tool for teaching sequencing, estimation, problem-solving, and just having fun!

Sturdy construction and colorful design entice children to put Bee-Bot through its paces. Directional keys are used to enter up to 40 commands which send Bee-Bot forward, back, left, and right. Pressing the green GO button starts Bee-Bot on its way. Bee-Bot blinks and beeps at the conclusion of each command to allow children to follow Bee-Bot through the program they have entered and then confirms its completion with lights and sound. Children want to use Bee-Bot over and over and are inspired to enter ever more creative and complex command sequences.

Bee-Bot Docking Station
Quantity: 1 (Holds 6 Bee-Bots)
Ages 3+
$69.95

The Docking Station holds and charges up to six Bee-Bots and/or Blue-Bots at once from a single electrical outlet. Simply plug the docking station in and place up to six Bee-Bots and/or Blue-Bots in the specially designed docking slips. As you settle a 'Bot into its slip, the USB docking port fits smoothly into the USB recharger. An overnight stay in the Docking Station will leave Bee-Bot or Blue-Bot fully charged and ready to go for fun and learning in the classroom.

Fisher Price Code-a-Pillar

Quantity: 2
Ages 3-6
$49.99

Product Features   −

Code-a-pillar™ inspires little learners to be big thinkers by encouraging preschoolers to arrange (and rearrange) the easy-to-connect segments in endless combinations, sending Code-a-pillar™ on his path. This learning toy encourages experimentation while developing important skills like problem solving, planning & sequencing and critical thinking. There's no end to the combinations kids can make – mix up the segments and put them back together to send Code-a-pillar™ in a different direction every time!

Every time kids change and rearrange his segments, Code-a-pillar™ takes a different path. *Every time* – with cool sounds and lights wherever he goes! Includes 1 sound segment, 3 straights, 2 right turns and 2 left turns to send the learning fun in endless directions! Kids can even configure the segments to make Code-A-Pillar™ reach targets they set up throughout the room.

Code-a-pillar™ is one of the new Think & Learn toys from Fisher-Price that goes beyond ABCs and 123s to help children learn how to think independently. Each toy fosters 21st century skills like curiosity, experimentation and problem solving in ways kids haven't seen before. They're engaged in hands-on, open-ended discovery that helps them become lifelong learners.

Features:

- 1 motorized head and 8 easy-to-connect segments for endless combinations!
- Kids connect the segments to make Code-a-pillar™ go forward, left, right or wherever they choose
- Each segment lights up as the action happens!
- Motorized head segment features lights, fun character sounds and blinking eyes to bring Code-A-pillar™ to life!
- Can you reach the target? Challenge kids to configure the segments so Code-a-pillar™ can get to the targets and each their goals.
- Includes:
    - 8 segments: (3) move forward, (2) Turn Right 90 degrees, (2) Turn Left 90 degrees and (1) sound action segment
    - 2 destination targets
    - 1 motorized head
- Helps develop skills like sequencing, critical thinking, reasoning, discovery, memory, problem solving and experimentation
- Gives fine motor skills a good workout
- Kids discover that their actions make things happen (also known as cause & effect)!
- Requires 4 AA alkaline batteries, the fresher the better!

F.P. Code-a-Pillar Basic Expansion Pack

Quantity: 5
Ages 3-6
$14.99

- Make the Code-a-pillar grow and go!
- Pack contains 3 easy-to-connect command segments with unique actions: Go forward, turn right 90 degrees and turn left 90 degrees
- Mix & match the segments, using as many or as few as you like! Where can you make Code-a-pillar go next?
- Code-a-pillar inspires little learners to be big thinkers
- Preschoolers can develop important skills—like problem solving, planning & sequencing, and critical thinking—as they arrange (and rearrange!) these additional, easy-to-connect segments to send Code-a-pillar on all sorts of different paths

F.P. Code-a-Pillar Lights & Sounds Expansion Pack
Quantity: 1
Ages 3-6
$14.99

Code-a-pillar inspires little learners to be big thinkers! Preschoolers can arrange these additional easy-to-connect segments in endless combinations to send Code-a-Pillar on its path. This encourages experimentation while developing important skills including problem solving, planning and sequencing, and critical thinking. Add sound and light effects... repeat previous actions... turn right 45 degrees or turn left 180 degrees... your wish is Code-a-Pillar's command with this assortment of expansion kits!

The Fisher-Price Think and Learn Silly Sounds and Lights Expansion Pack Features:
- Make the Code-a-Pillar grow and go!

- Contains 3 easy-to-connect command segments: Forward-Add this piece and Code-a- pillar moves straight ahead! 90 degree right turn - This piece makes Code-a-pillar turn right

- 90 degree left turn - Add this piece for Code-a-pillar to make a left turn.

- Each pack sold separately and subject to availability

- Expand your Think and Learn play

- Your wish is his command with this Code-a-pillar expansion pack!

F.P. Code-a-Pillar Go Forward Add-On
Quantity: 2
Ages 3-6
$4.99

- 6 add-on command segment skus
- Move forward 3 ft
- Sound/eye Action #2
- Preschoolers can explore for even more combinations , open-ended play and possibilities!

F.P. Code-a-Pillar 360° Right Turn Add-On
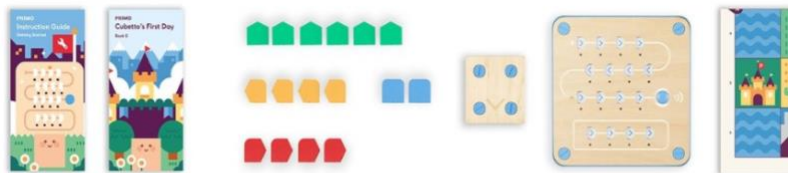Quantity: 3
Ages 3-6
$4.99

- Turn right 360 degrees
- 6 add-on command segment skus
- Move forward 3 ft
- Sound/eye Action #2

Cubetto Playset

Quantity: 2
Ages 3+
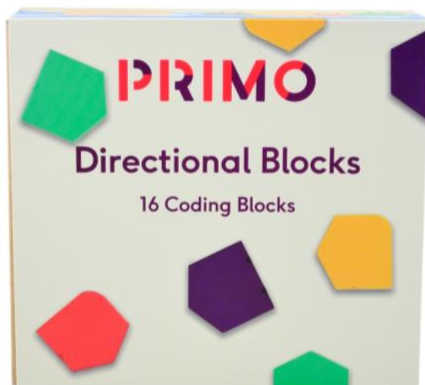$225.00

Begin their coding adventure

Everything you need to get started! Cubetto Playset contains: 1x Cubetto Robot, 1x Control Board, 16x Coding Blocks (6x Forward, 4x Left, 4x Right, 2x Function), 1x World Map, 1x Adventure Story Book

About the product

- A coding toy for girls and boys aged 3 and up. It takes coding out of the screen, and into the real world with a programming language you can touch
- Children help Cubetto, a friendly wooden robot, navigate a magical world by writing their first programs using hands-on coding blocks
- A Montessori approved coding toy that makes programming education accessible to the youngest audience in history

Cubetto Primo Directional Blocks

Quantity: 1 Set (16 Pieces)
Ages 3+
$29.00

Code you can touch to motor Cubetto through any adventure. Introducing: the backward block! Steer, swerve and reverse in a whole new host of combinations!

Inside the box: 4x Backward, 4x Left, 4x Right, 4x Forward

Cubetto Primo Logic Blocks

Quantity: 1 Set (12 Pieces)
Ages 3+
$29.00

Take coding with Cubetto to a whole new level. Presenting even more sequencing fun with our two new friends: the random and negation blocks! And more function blocks!

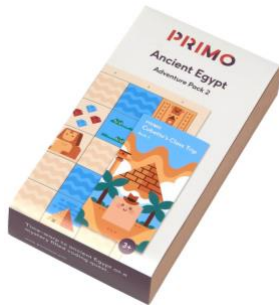Inside the box: 4x Negation, 4x Random, 4x Function

Primo Ancient Egypt Adventure Pack

Quantity: 1 Kit
Ages 3+
$29.00
*For use with Cubetto

Adventure Pack 2

Ancient Egypt – A historical journey to the Great Pyramids. Learn about long-lost civilizations and hieroglyphics. Unearth ancient treasures, and solve the Sphinx mysteries.

Inside the box:
1x Map, 1x Story Book

Primo Deep Space Adventure Pack

Quantity: 1 Kit
Ages 3+
$29.00
*For use with Cubetto

Adventure Pack 4

Deep Space – A trip to the fringes of our solar system. Visit the International Space Station, Mars, and Jupiter. Wave at our pale blue dot from the depths of our galaxy.

Inside the box:
1x Map, 1x Story Book

Primo Blue Ocean Adventure Pack

Quantity: 1 Kit
Ages 3+
$29.00
*For use with Cubetto

Adventure Pack 3

Blue Ocean – A submarine voyage below the waves. From bubbling underwater volcanoes, to sunken treasures. Swim beneath the icebergs of the North Sea, and up again.

Inside the box:
1x Map, 1x Story Book

Sphero

Quantity: 3
Ages 8+
$129.99
Includes bot, stand, measuring tape, 2 Nubby covers and charging cord.
Requires downloadable app and device to use.

Activity and Lesson Ideas:
https://edu.sphero.com/cwists/category

Sphero is the world's first app-enabled robotic ball and a sophisticated companion for your smartphone or tablet. Learn, play, and explore with this awesome robot.

PRODUCT DETAILS   –

Keep your curiosity, creativity, and invention flowing with this Sphero Sprk+ connected play coding robot ball.

PRODUCT FEATURES
- Helps learn programming
- Powered by the Lightning Lab app
- Complete hands-on activities, & share your own creations
- Allows you to connect with other users around the world
- Equipped with Bluetooth SMART
- Scratch-resistant UV coating

PRODUCT DETAILS
- Includes: charger, charging cord, robot ball & tape roll
- Age: 8 years & up
- Requires 1 lithium ion battery (included)
- Plastic, electronic

Sphero Jump Ramp

Quantity: 1
Ages 8+
$19.99
For use with Sphero

Build it. Change it. Jump it. Rearrange it.

Wide ramps. Small kickers. Killer gaps. Gnarly jumps. With Sphero Jump Ramps, you can build any configuration and up the ante with your robot. Create endless combinations of bumps, jumps, and teeter totters by connecting the four separate ramps included into one extreme robot ride. Jump Ramps can be used with any of our bots, so you can roll through your course with Sphero or rip it up with Ollie. Challenge your driving skills, master new tricks or program your way through your own obstacle course.

Sphero Jump Ramps are built with no limitations.

Sphero Chariot
Quantity: 1
Ages 8+
$19.99
For use with Sphero

Put your robot in the drivers seat with the Sphero Chariot. Available in 3 colors, the chariot adds another level of creativity to Sphero. Snap on toy building bricks, let it carry cargo or turn it into the ultimate spy-bot by adding a phone to the custom carrier.

KEVA Planks: Color Pops
Quantity: 1 Set (100 Pieces)
Ages 5+
$34.95

- TOYS THAT TEACH: Construct colorful and creative works of art with KEVA Color Pops from MindWare. Building with these precision-cut, quality-stained planks is an ideal way to experiment with balance and proportion, gain an interest in architecture and learn about color theory.
- INTERCHANGEABLE: These planks are the same size and shape of other KEVA planks and thus can be used interchangeably with those systems to construct elaborate and expansive structures. It's everyone's favorite KEVA stacking planks, now featuring a bright splash of color! Add a new dimension to your KEVA structures with these hued planks.
- WELL DESIGNED: KEVA Color Pops will add creative accents to your building ideas. The stain is applied with precision to maintain the stability of the planks and allow the natural characteristics of the wood grain to still be revealed.
- NO HASSLE: With no glue or connectors needed, our KEVA Color Pops set is ready to play right out of the box. Forget the hassle of having to round up a laundry list of non-included tools. Simply unpack and build!
- INCLUDES: 100 planks in an ombré palette, Full-color idea booklet to inspire builders.