

# Taylor STEAM Kit #1: Code & Go Robot Mouse



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Robot Mouse, (16) Maze Grids, (22) Maze Walls, (3) Tunnels, (1) Cheese Wedge, (30) Double-Sided Coding Cards, and (10) Double-Sided Activity Cards

Items not required: (3) AAA batteries

**Summary:** Introduce coding concepts with Colby, the programmable mouse. Use analytical thinking, problem solving skills, and step-by-step programming to get the mouse to the cheese. Colorful buttons match coding cards for easy programming and sequencing.

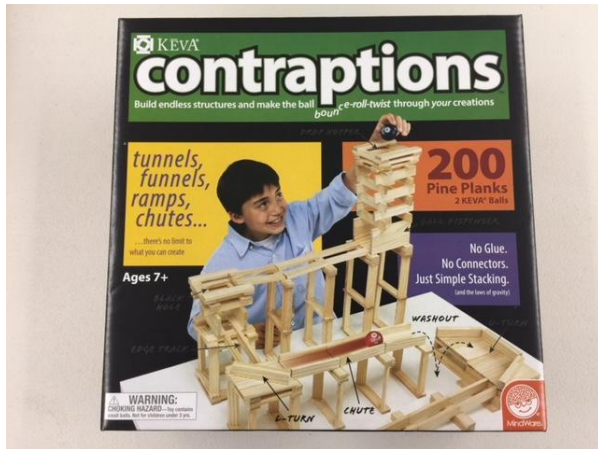
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**Interest Age Level:** 8+

**Subject Term:** Science; Technology; Engineering; Art; Math

## Taylor STEAM Kit #2: Contraptions



**Physical Description:** 1 kit, including a full-color guide book loaded with ideas, (200) high precision KEVA planks, and (2) KEVA balls

**Summary:** Contraptions are made simply by stacking the planks. No glue or connectors are used, just gravity and imagination. Construct ramps and chutes, tracks and towers, tunnels, funnels and more! Each contraptions construction set comes with two specially designed KEVA balls that are lightweight and bouncy for maximum action.

The contraptions guide book shows you the simple steps needed to build numerous clever Contraptions, but the fun really rolls when builders design their own Contraptions.

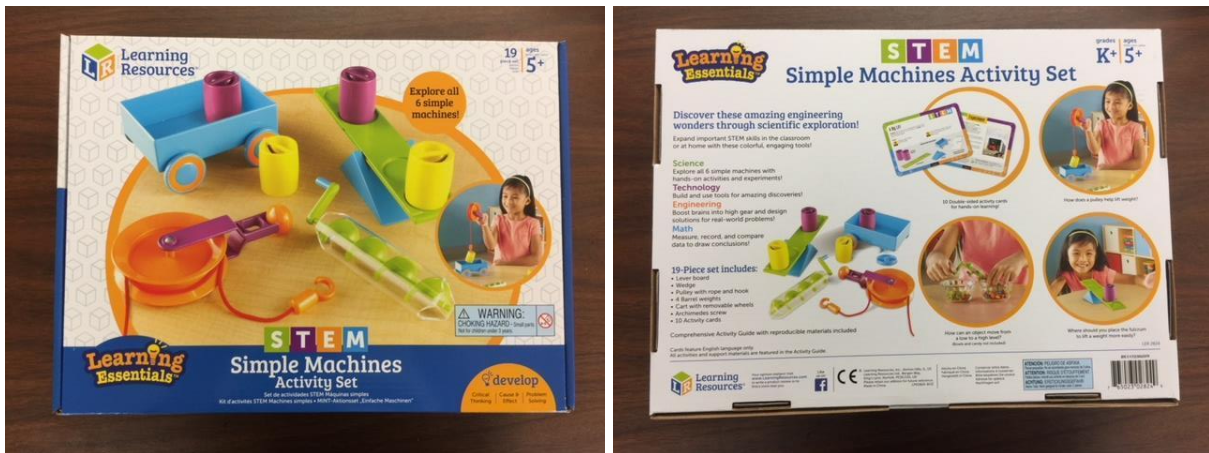
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# Taylor STEAM Kit #3: Simple Machines



**Physical Description:** 1 kit, including (1) lever board, (1) wedge, (1) pulley with rope and hook, (4) barrel weights, (1) cart with removable wheels, (1) Archimedes screw, (10) activity cards, (1) comprehensive activity guide.

**Summary:** Expand important STEM skills at home with these colorful, engaging tools! Science – Explore all 6 simple machines with hands-on activities and experiments. Technology – Build and use tools for amazing discoveries. Engineering – Boost brains into high gear and design solutions for real-world problems! Math – Measure, record, and compare data to draw conclusions.

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## Taylor STEAM Kit #4: Ozobot



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Ozobot Bit, (4) Color Code Markers, (20+) Games and Brain Teasers, (2) Clear Play Sleeve with Reusable Code Stickers, (1) USB Charger, (1) Ozoskin Protective Cover, and (1) DIY Ozoskin with Personality Stickers

**Summary:** Ozobot Bit is a mini robot that in a didactic and entertaining way, introduces children to the world of logic, robotics and programming, essential skills for the new generations. It has sensors that detect and understand colors as code; called OzoCode. You can play in two ways: it automatically follows color patterns or it can run programmed instructions.

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# Taylor STEAM Kit #5: Gravity Maze



**Physical Description:** 1 kit, including (1) Game Grid, (9) Building Towers, (1) Target Tower, (3) Marbles, (60) Challenge Cards, (1) Instruction Guide

**Summary:** This gravity powered logic maze is sure to put your visual perception and reasoning skills to the test. The towers can be arranged in a wide variety of visually stimulating structures but, for each challenge, you'll have to think carefully to build a path that will carry your marble to the Target Tower.

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## Taylor STEAM Kit #6: Circuit Maze



**Physical Description:** 1 kit, including (1) Game Grid, (60) Challenge Cards, (1) Instruction Guide, (17) Game Tokens

Items not included: (3) AAA batteries

**Summary:** With Circuit Maze, your goal is to create a real electrical circuit that lights up designated beacons. The 60 challenges are tricky and clever, providing hours of electrifying fun. Plus, when playing Circuit Maze, you will discover how circuits actually work!

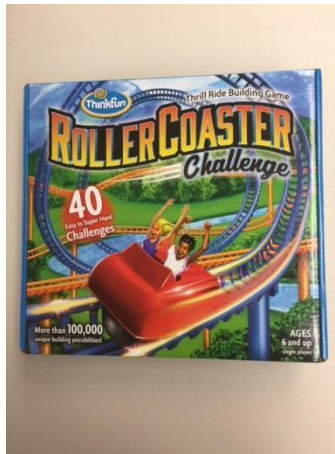
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# Taylor STEAM Kit #7: Roller Coaster Challenge



**Physical Description:** 1 kit, including (1) Game Grid, (40) Challenge Cards, (1) Instruction Guide, (39) Track Pieces, (36) Post Pieces, (2) Tunnels, (1) Coaster Car

**Summary:** Buckle up and get ready to twist and turn your mind as you attempt to solve 40 exhilarating roller coaster challenges. When you think you've constructed a successful ride, give your car a little push and watch it glide down the track! Your mind will bend in loops as it stretches to solve the leveled challenges. When you're ready for a little free-form play, get creative and use the tracks to build your own elaborate gravity-defying thrill rides.

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## Taylor STEAM Kit #8: Solar Lab



**Physical Description:** 1 kit, including (1) Manual, (1) Multi-voltage solar panel with adjustable stand, (1) Digital Multimeter, (1) Motor with Fan Blade and Stand, (1) Battery Holder, LED's, Diode, Resistor, Switch and Test Leads

Items not included: (3) AA batteries

**Summary:** Learn – All about solar photovoltaic electricity and the history of solar. How to build circuits to power different devices. How to use a digital multimeter to learn about voltage, current, power and resistance. How to build a solar battery charger and LED light.

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## Taylor STEAM Kit #9: Solar Robot



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Solar Panel, (1) Solar Panel Holder Plate, (1) Support Arm, (1) Gear Case Body with motor and cams installed, (2) Arms, (2) Leg Links, (2) Legs, (2) Feet, (2) Body Template Support Clips, (9) Washer Screws, (7) Screws, and "Everything Robotics" book ISBN: 9781426323324

Items not included: Small crosshead screwdriver, empty paper cup, and (2) forks

**Summary:** Learn how to make a moving robot using a solar panel and a motor. Watch it walk on a sunny day. No batteries are required.

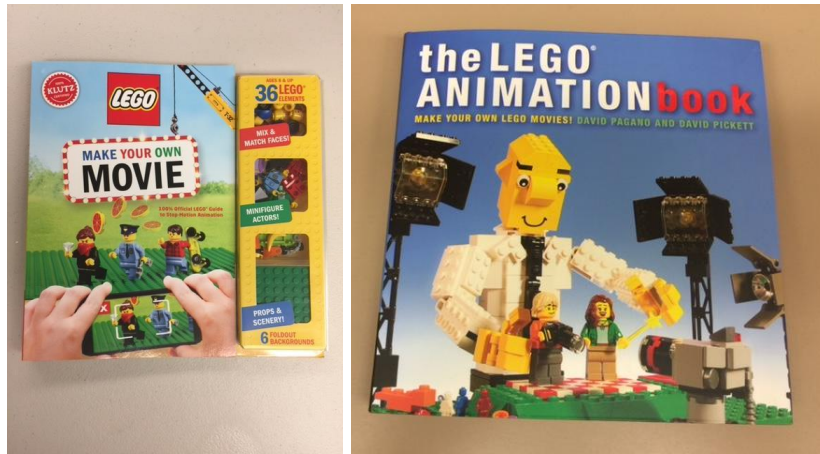
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## Taylor STEAM Kit #10: LEGO Make Your Own Movie



**Physical Description:** 1 kit, including (1) Idea and Inspiration Book, (36) LEGO Elements, (3) Foldout Paper Backgrounds, (48) Punch-out Animation Frames, and "The LEGO ANIMATION Book" ISBN: 9781593277413

Items not included: Smart phone or camera, lights

**Summary:** Stop-motion animation is awesome...and easier than ever! Make 10 step-by-step mini movies with LEGO bricks and minifigures! It comes with real animator-approved ideas and inspiration for lighting, scenery, sound effects, and camera angles. Mix and match endless story-starter ideas to kick-start your creativity. Use your own phone, tablet, or computer to get started.

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## Taylor STEAM Kit #11: Liquid Discovery Tubes



**Physical Description:** 1 kit, including (1) Instruction Guide, (4) Liquid-Filled Tubes

**Summary:** Just shake, turn or tilt the tubes to see liquids combine and separate. Watch fish sink or float, observe swirling currents, or explore gravity and viscosity.

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## Taylor STEAM Kit #12: Kaleidoscope & Wooden Mind Puzzles



Physical Description: 1 kit, including (1) Kaleidoscope and (9) Wooden Mind Puzzles

Summary: Look, twist and imagine. Twist to create millions of magical mosaics. It inspires creativity and imagination. Fun for all ages. See if you can figure out the secrets these puzzles are holding. Each puzzle is different and unique with a challenging goal. With so many enjoyable, brain-teasing puzzles to choose from, this set is sure to keep you entertained for hours.

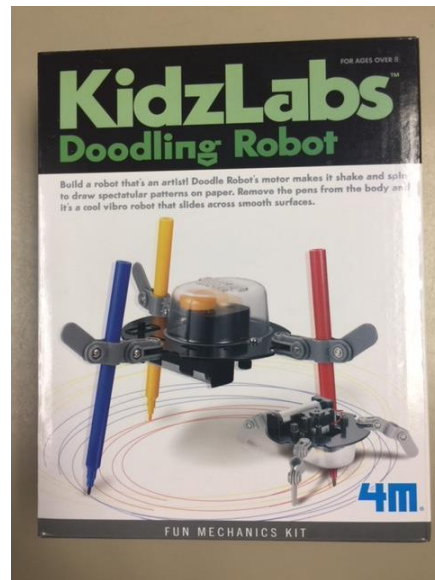
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## Taylor STEAM Kit #13: Doodling Robot



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Baseplate, (1) Weight, (24) Bolts and Nuts, (5) Screws, (2) Terminal Caps, (3) Arm Supports, (10) Pen Holders, (3) Arm Ends, (1) Adhesive Tab, (1) Transparent Cover, (3) Felt-Tip Pens, (1) Motor with Wires, and (1) Motor Cover

Items not included: (1) AA battery, crosshead screwdriver, and large sheets of paper

**Summary:** Build a robot that's an artist! Doodle Robot's motor makes it shake and spin to draw spectacular patterns on paper. Remove the pens from the body and it's a cool vibro robot that slides across smooth surfaces.

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## Taylor STEAM Kit #14: LEGO Chain Reactions



**Physical Description:** 1 kit, including (1) Instruction Book, (33) LEGO Elements, (6) LEGO Balls, (1) Bundle of String, (8) Paper Ramps, (2) Paper Pop-up Signs, (1) Paper Funnel, (1) Paper Flag, (1) Paper Bucket, and (1) Platform

Items not included: LEGO bricks

**Summary:** You supply a pile of LEGO bricks from your collection. We supply the know-how and extra parts you need to transform your bricks into 10 different wacky chain reaction machines.

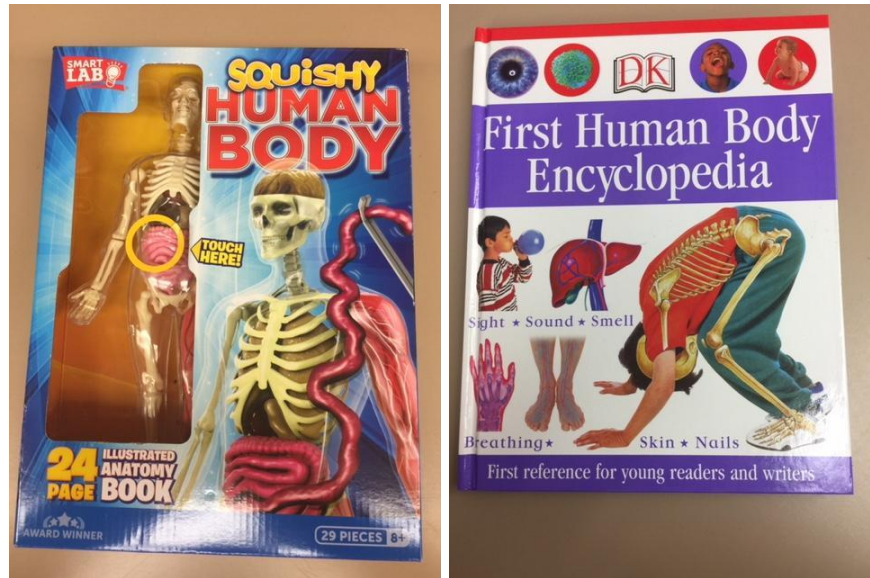
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## Taylor STEAM Kit #15: Human Body



**Physical Description:** 1 kit, including (1) Anatomy Book, (1) Human Body Model, (1) Stand, (9) Squishy Organs, (12) Plastic Bones and Muscles, (1) Pair of Forceps, (1) Pair of Tweezers, (1) Body Part Organ-izer, and (1) "First Human Body Encyclopedia" book ISBN: 9780756609979

**Summary:** Explore and assemble a 3D puzzle like no other! Soft, squishy organs and hard, removable bones create a realistic model. Learn how the organs work together, and follow a bite of pizza as it travels through the body and interacts with different internal systems.

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## Taylor STEAM Kit #16: Weather Lab



**Physical Description:** 1 kit, including (1) Instruction Sheet, (1) English Information Booklet, (1) Spanish Information Booklet, (1) French Information Booklet, (1) Weather Tracker Card, (1) Blue Propeller, (1) Orange Base, (1) Grey and Blue Thermometer, (3) Blue Speed-Indicator Cups, (1) Green Speed-Indicator Cup, (1) Blue Arrow, (1) Rain Gauge, (1) Anemometer

**Summary:** Track the weathers temperature, wind direction, wind speed, cloud type, and precipitation.

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## Taylor STEAM Kit #17: Deep Space Planetarium



**Physical Description:** 1 kit, including (1) Educational Booklet, (1) Star Dome, (1) Constellation Dome, (1) Night Light Dome, (3) Slide Discs, (1) Projector

Items not included: 3x AA batteries

**Summary:** Turn your room into space and explore the universe.

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## Taylor STEAM Kit #18: Lemon & Potato Clocks



**Physical Description:** 1 kit, including (2) Instruction Sheet, (1) LCD Watch with Black and Red Wires Attached, (1) White Wire, (2) Copper Plates, (2) Zinc Plates (1) Digital Clock with Wires, (2) Pots, (1) Connecting Wire, Transparent Tape, (2) Copper Strips, and (2) Zinc Strips

Item not included: Lemon & Potatoes

**Summary:** Discover the science of batteries. Simply add your own lemon to turn this kit into an amazing lemon powered clock! Be a scientist as you discover how to power this digital clock using potatoes. Experiment to find out what other substances will power the clock – you'll be amazed!

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## Taylor STEAM Kit #19: Kid K'nex



**Physical Description:** 1 kit, including (1) Instruction Sheet, (66) Building Pieces

**Summary:** Helps develop motor skills, hand-eye coordination, and dexterity.

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## Taylor STEAM Kit #20: Bug Specimen



**Physical Description:** 1 kit, including (1) Information Guide, (12) Specimen, (1) Magnifying Glass, (1) Kit Book, and (1) "Insect" book ISBN: 9780756630041

**Summary:** An impressive collection containing 12 authentic insects from around the world. You can study these beautiful creatures with the help of a magnifying glass and a full color guide about the world of insects.

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## Taylor STEAM Kit #21: Base Kit



**Physical Description:** 1 kit, including (5) LED Lights, (1) Mini Speaker, (4) Buttons, (1) Maker Board, (1) Carrier Board, (12) Reference Cards, (1) USB Cable

Item not included: Computer

**Summary:** Learn Code with hands-on projects! Build circuits and follow free lessons. Learn to code with no experience needed.

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## Taylor STEAM Kit #22: Mineral Science Kit



**Physical Description:** 1 kit, including (1) Instruction Booklet, (1) Nail, (1) Magnifying Viewer, (1) Streak Plate, (15) Specimen, and "My Book of Rocks and Minerals" ISBN: 9781465461902

**Summary:** Uncover the mysteries in common rocks. Learn to test, classify and identify using the tools and 15 rock specimens included in this kit.

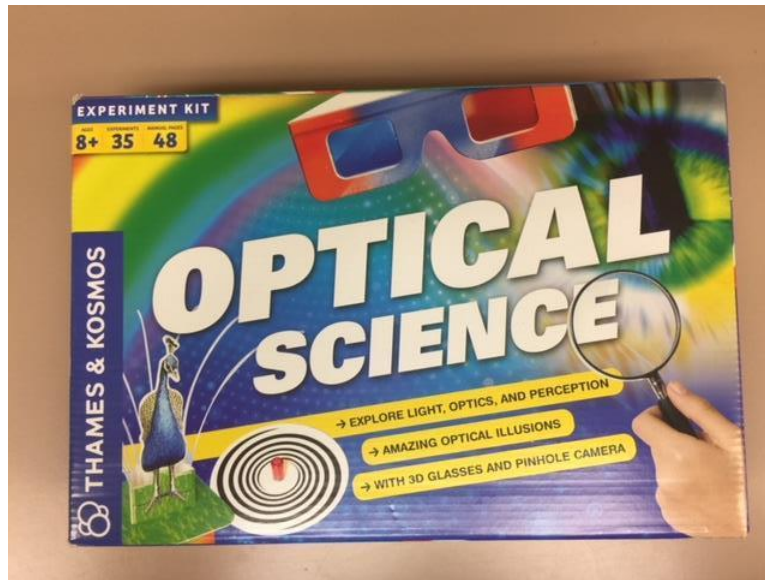
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## Taylor STEAM Kit #23: Optical Science



**Physical Description:** 1 kit, including (1) Instruction Guide, Tracing Paper, (1) Lens, (1) Rubber Band, (10) Wooden Beads, (1) String, (1) Tube, (1) Mirror, (3) Colored Films, (1) Diffraction Film, (1) Piece of Chalk, (1) Spinning Top, (1) Optical Fiber, (1) Modeling Clay, (1) Cup, (5) Mounting Feet, (1) Push Pin, (1) 3D Poster, (2) Printed Sheets, (2) Die-Cut Sheets, and Clear Plastic Film

Items not included: scissors, tape, glue, 3 small flashlights, pencil, dull knife, newspaper, bowl, water, hand towel, desk lamp, energy saving bulb, paper, marker, set square, and compass

**Summary:** Astonish yourself with optical illusions and amazing visual phenomena as you explore the science of human perception in this fascinating kit.

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## Taylor STEAM Kit #24: Squishy Circuits



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Piezoelectric Buzzer, (1) Motor with Fan Blade, (1) Mechanical Buzzer, (1) Switch, (1) Deluxe Battery Holder, (5) Red LEDs, (5) Green LEDs, (5) White LEDs, (5) Yellow LEDs, (5) Blue LEDs, (5) Orange LEDs, (5) Purple LEDs, (5) Color Changing LEDs, (5) Sculpting Tools, (1) Rolling Pin, (1) Carrying Pouch, (1) White Dough, (1) Yellow Dough, (1) Purple Dough, (1) Black Dough, (1) Red Dough, (1) Green Dough, (1) Blue Dough, and (1) Orange Dough

**Summary:** Squishy Circuits uses conductive and insulating play dough to teach the basics of electrical circuits in a fun, hands-on way. There's no need for breadboards or soldering – just add batteries and our pre-made doughs. Let your creations come to life as you light them up with LEDs, make noises with buzzers, and spin with the motor.

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## Taylor STEAM Kit #25: My Body Systems



**Physical Description:** 1 kit, including (1) Plastic Frame, (8) Sets of Human Body Puzzles, and (4) Fun Fact Cards

**Summary:** A simple introduction to human body with 8 sets of body puzzles about different systems. Enables kids to visualize and understand the skeleton, internal organs, circulatory system, and more.

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## Taylor STEAM Kit #26: Fun with Magnets



**Physical Description:** 1 kit, including (1) Magnet Wand, (1) Horseshoe Magnet, (1) Bar Magnet, (2) Ring Magnets, (3) Magnetic Balls, (1) Compass, (8) Nuts, (5) Washers, (1) Wire, (1) Metal Rod, (3) Crepe Rubber Shapes, (8) 2-Sided Activity Cards, and (1) "What Makes A Magnet?" book ISBN: 9780062338020

**Summary:** How do they work? Magnets have always intrigued people because of the invisible force field around them. Kids and adults wonder, "how do they work?" Well, with this kit, you can learn about magnets, how they work, and how to make things with them. The kit is full of simple, yet eye-opening, experiments and magnetic fun!

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## Taylor STEAM Kit #27: Makey Makey



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Makey Makey, (7) Alligator Cables, (1) USB Cord, (6) Connector Wires, and (1) Case

Items not included: Bananas

**Summary:** Makey Makey is an invention kit for the 21<sup>st</sup> century. It turns everyday objects into touchpads and combines them with your computer or the internet.

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## Taylor STEAM Kit #28: ZOOB Builders



**Physical Description:** 1 kit, including (1) Easy Building Guide, (175) ZOOB Pieces, (2) Foam Building Pads, (4) Wheels with Axles and Rubber Tires, (1) High-Bounce Rubber Ball, (23) Rubber Bands, (1) 20-ft Nylon String, and (14) Challenge Cards

**Summary:** Are you good at solving challenges? This set includes 35 challenging opportunities to create wild ZOOB contraptions. ZOOB is a movable 3-D modeling system, unlike any other building toy. All of its pieces snap, click and pop together to form joints that rotate, axles that spin, limbs that extend, and lots more. There's no limit to what you can create!

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## Taylor STEAM Kit #29: Microscope Set



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Scalpel, (1) Needle, (1) Stirring Rod, (1) Graduated Cylinder, (2) Collecting Vials, (1) Tweezers, (7) Slide Labels, (7) Slide Covers, (7) Glass Covers, (5) Prepared Glass Slides, (7) Blank Glass Slides, (1) Replacement Light Bulb, (1) Micro-slicer, (1) Petri Dish, (1) Vial of Gum Media, (1) Vial of Eosin, (1) Vial of Sea Salt, (1) Vial of Brine Shrimp Eggs, and (1) Shrimp Hatchery

Items not required: (2) AA batteries

**Summary:** This science microscopy kit includes a great beginner level biological microscope equipped with advanced features and all the necessities of accessories.

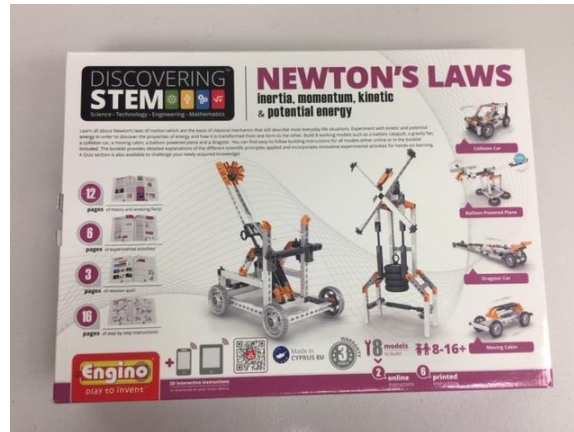
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**Subject Term:** Science; Technology; Engineering; Art; Math

## Taylor STEAM Kit #30: Newton's Laws



**Physical Description:** 1 kit, including (1) Instruction Guide, (30) Light Grey Pieces, (30) Black Pieces, (52) Dark Grey Pieces, (16) Orange Pieces, (1) String, and (1) Corded Rope

**Summary:** Learn all about Newton's Laws of Motion, which are the basis of classical mechanics that still describe most everyday life situations. Experiment with kinetic and potential energy in order to discover the properties of energy and how it transforms from one form to another.

**WARNING: CHOKING HAZARD** – Contains small parts. Not suitable for children under 3 years.

STEAM kits will teach children important and fundamental Science, Technology, Engineering, Art and Math skills, and aim to engage children with interactive components for self-paced learning. Children will participate in a learning environment that encourages innovation, imagination, problem solving, and critical thinking skills.

**Interest Age Level:** 8+

**Subject Term:** Science; Technology; Engineering; Art; Math

## Taylor STEAM Kit #31: History of Art Card Game



Physical Description: 1 kit, including (1) Instruction Guide, (1) Die, (30) Illustrated Cards

Summary: Professor Noggin's series of educational games encourages kids to learn interesting facts about their favorite subjects. Each card combines trivia, true or false, and multiple choice questions. Easy and hard levels keep kids challenged – while of course having fun!

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Interest Age Level: 8+

Subject Term: Science; Technology; Engineering; Art; Math

## Taylor STEAM Kit #32: Synth Kit



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Breadboard, (3) Resistors, (2) Ceramic Capacitors, (1) Tape, (2) Electrolyte Capacitors, (20) Jumper Wires, (3) Potentiometers, (1) Push Button, (1) 556 Timer IC, (1) Speaker, Acrylic Casing, and (1) Battery Clip

**Summary:** Prepare to enter the world of electronic music! Make three different synths: Dub Siren, Stutter, and Retro sounds. Play your synth and record your next big hit. Invent and experiment with circuits to make new sounds.

**WARNING: CHOKING HAZARD** – Contains small parts. Not suitable for children under 3 years.

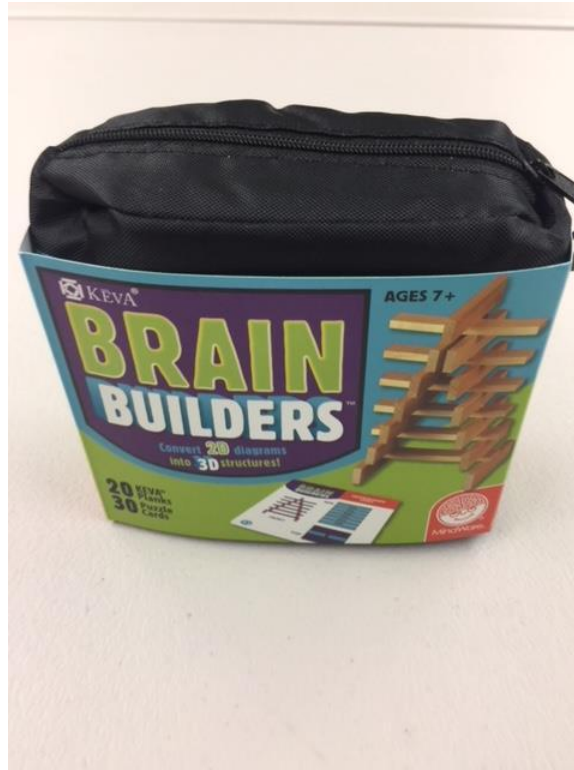
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**Interest Age Level:** 8+

**Subject Term:** Science; Technology; Engineering; Art; Math



## Taylor STEAM Kit #33: Brain Builders



**Physical Description:** 1 kit, including (20) Precision-Engineered Pine KEVA Planks, (30) Puzzle Cards with 3 Levels of Difficulty

**Summary:** Think in a whole new dimension! KEVA Brain Builders will train your brain to turn 2-dimensional diagrams into 3-dimensional reality.

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**Interest Age Level:** 8+

**Subject Term:** Science; Technology; Engineering; Art; Math

## Taylor STEAM Kit #34: Laser Maze



**Physical Description:** 1 kit, including (1) Instruction Guide, (60) Challenge Cards and Solutions, (11) Game Tokens, and (1) Game Grid

**Summary:** Beam-Bending Logic Game. It feels like magic, but you will need science and brain power to direct the beam through these maze challenges!

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**Interest Age Level:** 8+

**Subject Term:** Science; Technology; Engineering; Art; Math

## Taylor STEAM Kit #35: Magnetic Tile Set



**Physical Description:** 1 kit, including (1) Instruction Guide, (1) Carrying Case, (25) Triangle Tiles, and (25) Square Tiles

**Summary:** Build structures with ease! Create custom 3D models, build houses, shapes and anywhere your imagination takes you with this magnetic tile set.

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STEAM kits will teach children important and fundamental Science, Technology, Engineering, Art and Math skills, and aim to engage children with interactive components for self-paced learning. Children will participate in a learning environment that encourages innovation, imagination, problem solving, and critical thinking skills.

**Interest Age Level:** 8+

**Subject Term:** Science; Technology; Engineering; Art; Math