

Check out our collection of STEM Kits! Explore areas of interest and reinforce what your child is learning in school.

NEW

The kits below can be checked out at Pemberville Public Library:



Wooden Reading Blocks

Ages 3+

Kids can build words by filling letters in the blank. This is a great way to learn words and deepen their impression side.

Desk Bells

Ages 3+

This kit includes 8 chromatic desk bells and a song book with 15 songs that are easy to play and help develop your child's intelligence and musical abilities.



Life Cycle Kit

Ages 3+

This kit helps demonstrate the life cycle of animals with beautiful 3D designs and cards that entice kids to learn!

Coding Critters

MagiCoders: Skye the unicorn

Ages 4+

This kit covers coding. Code along with the magical adventures in Skye's coding spell book. Design your own endless coding challenges with the 22-piece interactive pet playset!



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Pemberville Public Library:

NEW



Learning Laces

Ages 3+

This kit has fun, kid-size lacing boards to help little hands build fine motor skills. Each board has colorful illustrations to teach lessons in number, letter, and shape recognition.



Mapology: Physical Features of the World

Ages 4+

Explore & learn the world's physical features their facts. This kit includes a two sided map. The topographical side shows additional features like waterfalls & lakes. The political side helps kids understand the location of feature.

Otamatone: Unicorn

Ages 4+

This kit focuses on music. Included is an instrument toy and a song. You can create different sounds and pitches by pressing down the middle part of the Otamatone.



Science Experiments: Lemon Clock

Ages 8+

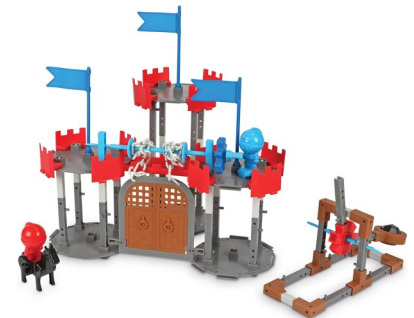
This kit includes instructions and parts for several different science experiments, including a Lemon Clock.



Engineering & design: castle building set

Grades K+

Design, build, and adventure through your very own castle. Engineering and design challenges put you to the test at every twist, turn, and dropping drawbridge.



The kits below can be checked out at
Pemberville Public Library:



Botley the Coding Robot
Grades K+
Botley teaches the basics of coding through active play, completely screen-free. Perfect for promoting critical thinking and problem solving skills.



Code-A-Pillar
Ages 3–6
Kids can connect and rearrange the segments to make it move forward, left, right, wiggle, dance, wait before moving again, or reach targets they set up .



Crazy Circuits Squishy Circuits
Grades 3+
This kit covers topics such as circuitry, programming, logic, art, and design.



Cubelets Robot Blocks
Grades PreK+
Invent and re-invent countless robot constructions with these magnetic robot blocks. Uses Tactile Coding to help builders of nearly any age explore robotics, coding, and more.

Code Master

Ages 8+
This STEM toy for boys and girls won't just teach you principles behind programming, you'll also build planning, sequential reasoning and problem-solving skills .



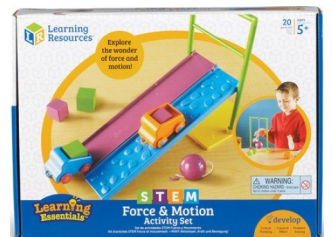
Evo Coding Robot

Ages 9+
Kids can learn to code with Evo either online with ozoblockly editor or screen-free with color code markers.



Force and Motion Activity Set

Grades K+
Explore the science of “how things go” with these colorful tools and hands-on activities. Focuses on the key science concepts of gravity, inertia, friction, push/pull,



The kits below can be checked out at
Pemberville Public Library:



Gears! Gears! Gears!

Ages 3+

Introduce young builders to the world of gears with this starter set featuring fun, bright new colors and kid-friendly pieces for easy construction.



Gravity Maze Falling Marble Logic Game

Ages 8+

Playing through the challenges builds spatial reasoning and planning skills, as well as some engineering skills.



Human Body

Grades K+

Learn human biology fundamentals with step-by-step, hands-on experiments.



Katamino

Ages 6+

Features a wooden playing board, 12 colorful wooden pieces, and a manual with 500 puzzle challenges for you to solve

Little Red Riding Hood Deluxe

Ages 4+

Little Red Riding Hood is an

enchanting puzzle game for young children. A great introduction to Spatial Insight, Planning and Problem-Solving



Magic of LED

Grades PreK+

Introduce young children to real-world electronics through a series of 5 interesting projects based on LEDs, buzzer, transistors and capacitors.



Magnetic 3-D

Fraction Shapes

Grades 1+

Allows students to explore equivalencies, fraction operations and understand part-to-whole relationships using interchangeable, color-coded magnetic pieces.

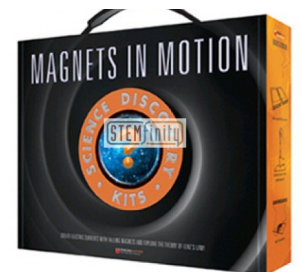


Magnets in Motion

Grades 3+

Plenty of magnets and accessories

allow young scientists to create electric currents with falling magnets, learn how subway and roller coaster brakes work and explore the theory of Lenz's Law.



The kits below can be checked out at
Pemberville Public Library:



Microscope Set

Grades 3–12

Investigate everything from cells to crystals with this 48–piece microscope. The set includes all the tools kids need to create their own specimen slides and view them at up to 600x magnification. Perfect for home or classroom use.



Music Learning Kit

Ages 5+

Learn to play piano, get friendly with musical notes and build musical intelligence! Plugo Tunes is a music learning kit for beginners, the piano only works with tablets & smartphones.



New Path Learning: Math—Telling Time

Grades 1–2

Game designed for independent use or groups of 2–4. Students play through the game to reinforce their understanding of how to tell time.

New Path Learning: Math—Customary and Metric Units of Measurement

Grades 3–5

Game designed for independent use or groups of 2–4. Students play through the game to reinforce their understanding of the units of measurement.



Penguins on Ice Math Activity Set

Grades 1+

Cool penguins reinforce counting, patterning, sorting, operations and base ten!



Robot Turtles

Ages 4+

This game teaches kids the ins and outs of programming in a fun, tactile game. Beginner to Advanced levels will make it a family favorite for many years!



Rush Hour

Ages 8+

A sliding block logic game, where the player has to battle the gridlock and find a way for the red car to exit. Includes 40 different challenges.



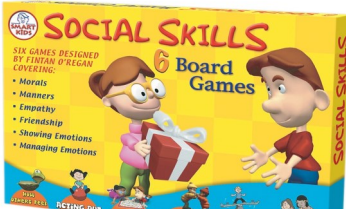
Sellarscope

Ages 10+

Stellarscope makes it possible to quickly view a star map, and compare it to the actual night sky to identify and name stars.



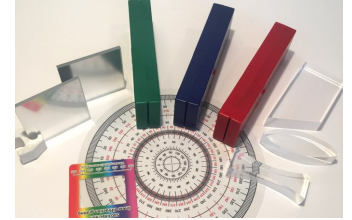
The kits below can be checked out at
Pemberville Public Library:



Social Skills Board Games

Grades 1+

Six unique board games where players discuss the solutions to socially challenging situations.



**Tech Light Lab
Elementary Light,
Color, and Optics**

Grades 2—8

The durable lights, lenses, mirrors and more in this light and optics kit make teaching and learning the science of reflection, refraction and color concrete, hands-on and easy to teach and learn!



Solar Power Study Kit

Ages 10+

Students explore the power of the sun as they learn about alternative energy, photovoltaic cells, and electrical circuits.



Tree Exploration Kit

Grades 3–12

Determining heights of trees and buildings or the depth of valleys is simple with the clinometer provided in this kit. Students develop a basic knowledge of dendrochronology using the specially designed simulated tree cores in this engaging Bilingual English/Spanish kit. This kit contains enough “tree cores” and worksheets for a class of 30 students.



Simple Machines Activity Set

Grades K+

Introduce and explore all 6 simple machines as your child makes amazing discoveries, designs solutions for real-world problems, and conducts their own investigations.

Tin Can Robot

Ages 9+

Perfect for any young scientist, this fun robotics kit teaches the value of recycling by re-purposing a used soda can into a moving, functional robot. Tin Can not included.



Sink or Float Activity Set

Grades K+

Young learners can dive into early physics in a fun, colorful way with this two-piece submarine and floating raft along with weights, balls, and stars to bring investigations to life.

**Under the Sea Shells Word
Problem Activity Set**

Grades 1+

Bring word problems to life with clam shells and fun little crab and sea-star counters!



The kits below can be checked out at
Stony Ridge Branch Library:

NEW

Rock and Roll it

Ages 6+

It is a 49-key piano that is perfect for beginner to masters. This kit promotes tactile learning and hand-eye coordination and includes a song book.



**Learning Resources: Wacky
Wheels**

Ages 5+

Designed to develop critical thinking and early engineering skills. Kids learn concepts of speed, angles, and distance during hands-on attempts at Mastering included challenges



**Coding Critters MagiCoders:
Blazer the Dragon**

Ages 4+

Preschoolers discover the magic of coding with this pet dragon who's ready for early STEM fun! Code along with the magical adventures in Blazer's coding spell book or design your own endless coding



**Mapology:
Solar System**

Ages 4+

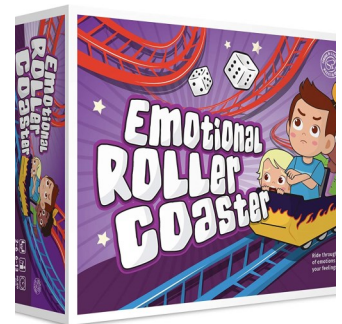
A unique Solar System toys puzzle with perfectly cut Planets & Orbit shaped puzzle pieces to make play-way learning effortless & fun.. Learn about color, size, rotation, dwarf planets, the asteroid belt and lots more from this kids puzzles.



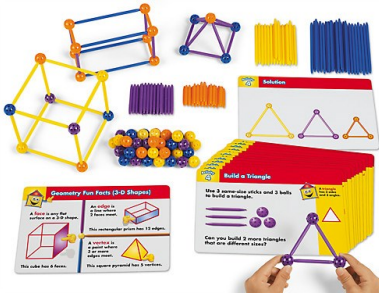
**Emotional
Rollercoaster**

Ages 6+

Ride through a roller coaster of emotions and learn about your feelings along the way. This fun anger management game for kids of all ages helps children learn how to cope and calm down when angry.



The kits below can be checked out at
Stony Ridge Branch Library:



Build & Learn Geometry Kit

Grades 2—5
Students build 2-D and 3-D shapes as they develop a solid understanding of geometry concepts.

IQ Twist

Ages 6+
With over 120 puzzle challenges, build skills like concentration, problem-solving, spatial insight, logic, and planning.



Circuit Maze

Ages 8+
Kids develop logical reasoning and planning skills, as well as gain an understanding of how circuits and electrical currents work.

Magnetic Building Blocks

Ages 4+
Build structures using the magnetic links and balance them on the gamepad to solve fun problems, full of storytelling and super cute characters.



Deluxe Fraction Tower

Ages 5+
Explore mathematical concepts with these snap-together, color-coded cubes. Teach decimal, percentage, and fraction concepts in a hands-on, tangible way.

Magnets!

Ages 8+
Includes 9 STEM experiments and 20 lab tools to allow kids to explore the science behind magnetism.



Doodling Robot

Ages 8+
The Doodling Robot uses vibration and spin generated by its motor to create works of art. Adjust the angle and height of the robot's colored pens and watch it work.

Master Detective Toolkit

Ages 8+
Learn how detectives use forensic science to answer questions, gather evidence, and solve crimes.



The kits below can be checked out at
Stony Ridge Branch Library:



Monkey Balance

Ages 3—5

Introduces numbers in a fun way to maximize learning. Practice basic counting and math.

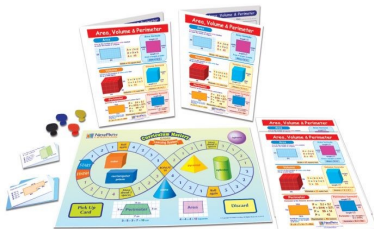


Otrio

Ages 8+

Straight out of the Brain Workshop,

Otrio is a unique game that is engaging, challenging. To win, get three pieces of your color in a row based upon similar size; lined up in ascending or descending order; or



New Path Learning: Area, Volume, & Perimeter

Grades 3—5

Game designed for independent use or groups of 2 –4. Students play through the game to reinforce their understanding of Area, Volume, and Perimeter.



Playground Engineering and Design

Ages 5+

Kids design and build their own playground. Develop early STEM and critical thinking skills.



New Path Learning: Math—Place Value

Grades 3—5

Game designed for independent use or groups of 2 –4. Students play through the game to reinforce their understanding of place values in math.



Shapes Puzzle

Ages 3+

Contains wooden pieces and pattern cards. Kids can try to build what is shown on the cards, or create their own designs. Great for developing spatial awareness, color and shape recognition, hand-eye coordination, and problem-solving!

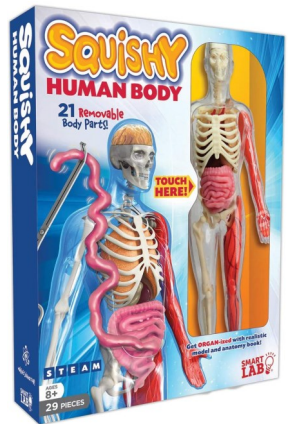
The kits below can be checked out at
Stony Ridge Branch Library:



Snap Circuits LIGHT

Ages 8+

Hands on introduction to electronics learn how to construct real working circuits, devices and fiber optics.



Squishy Human Body

Ages 8+

Discover how the human body works by removing 21 realistic vital organs, bones, and muscles; then rebuild the model!



Solar Mechanics

Ages 8+

Build 20 solar-powered models including cars, trucks, planes, and robots.



Three Little Piggies Deluxe

Ages 3+

Three Little

Piggies is a great brain game for young children. It features 3 big puzzle pieces that are easy to hold, and kids will be intrigued by the way the pigs fit inside the houses and look through the windows.

The kits below can be checked out at
Luckey Branch Library:

NEW



Coding Critters Go Pets: Dipper the Narwhal

Ages 4+

Ready, set... code! Get ready for twisting, twirling storybook coding adventures with Dipper the Narwhal, one of the Coding Critters Go-Pets. This clever motorized interactive pet knows how to follow black-line paths towards all kinds of undersea adventures

Think & Learn: Rocktopus

Ages 3+

Rocktopus helps kids explore their musical side and get their creativity flowing! And music helps kids learn about math, patterns and more– so let's get rockin'!



The kits below can be checked out at
Luckey Branch Library:



Climate & Weather

Ages 8+

Learn how earth's atmosphere affects us all. Conduct experiments in a model globe, and recreate earth's air currents, heat reservoirs, and ocean currents.

Gravity Maze: Falling Marble Logic Game

Ages 8+

Playing through the challenges builds spatial reasoning and planning skills, as well as some engineering skills.



Code & Go Robot Mouse

Ages 4+

As kids learn to program they build key skills that include critical thinking, problem solving, sequencing, and programming fundamentals.

IQ Link

Ages 8+

IQ Link features 120 challenges!

Build spatial insight, logic, and planning skills while playing.



Cubelets Robot Blocks

Grades PreK+

Invent and re-invent countless robot constructions with these magnetic robot blocks. Uses Tactile Coding to help builders of nearly any age explore robotics, coding, and more.

Jack and the Beanstalk

Ages 4+

The object of the game is to correctly drop the double-sided pieces into the beanstalk to match the image in each challenge. Solving Jack & the Beanstalk challenges helps develop early planning and problem solving skills!



Electricity & Magnetism

Ages 8+

Investigate the relationship between electricity and magnetism. Explore electricity with easy snap-together blocks. Experiment with a motor and electromagnet.

The kits below can be checked out at
Luckey Branch Library:



LAUNCH! Rocket Science Lab Kit

Ages 8–12

Engage in 18 fun and practical STEM experiments. Make and launch your own rockets while learning about propulsion and space!



Snap Circuits: 3D

M.E.G.

Ages 8–108

Take Snap Circuits into a new dimension with new snap modules, allowing you to build circuits horizontally, vertically, and upside down.



Optical Science

Ages 8+

Investigate light and color. View amazing optical illusions. Discover how your eyes and brain work together to perceive things visually.

Skoolzy Apple Sorting

Ages 18 months+

This multi-purpose fine motor skills toy for toddlers helps build color identification and recognition skills, sorting, and counting skills through number puzzles and other games.



Rainbow Magnetic Fraction

Circles and Tiles

Grades K–3

These fraction math manipulatives make learning fractions easy and fun for elementary students. Play fraction games and have fun with math!

Super Sorting

Pie

Ages 3+

This fruity pie helps develop fine motor skills and teaches early number skills, patterning, problem solving, and visual processing.



Ropoda

Ages 5+

ROPODA Shut the Box is a game of dice, commonly played by 2 to 4 people. It can be a tool for teaching basic addition in the classroom while also improving basic social skills.



Word Building

Ages 4+

This is an AR-powered word building kit that combines the goodness of hands-on learning and healthy screen-time. Spell with alphabet tiles, grow your vocabulary, and improve grammar with story-based spelling games. Watch the video to catch it in action!

