

DISCOVERY KITS

Science - Technology - Reading - Engineering - Arts - Math

Information Guide

Discovery Kit Overview

Menasha Public Library's Discovery Kits are self-guided learning packs that focus on a specific topic of STEAM - *Science, Technology, Engineering, Arts, and Math*.

Each kit comes with 2-5 books dedicated to the kit's topic. These resources provide *information* (to build knowledge) or *tell a story* (to build connection) establishing necessary background knowledge.

Furthermore, each kit comes with a number of physical items: *activities, games, manipulatives, models, projects, puzzles, or tools* which allow users to apply their newly gained knowledge in real world way.

Providing children the opportunity to learn ***through reading*** and then apply that knowledge ***through doing*** strengthens neural connections, providing better learning outcomes to build knowledge that lasts.

Checkout Rules



- 1 week loan period.
- Local hold only (must pickup at Menasha).
- Please return to Circulation Desk.
- Limited to 2 Discovery Kits checked out at a time.
- You can renew a Discovery Kit for an extra week if no one else has a hold on it.

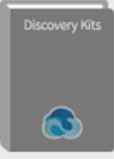
Placing a Discovery Kit on Hold

Discovery Kits can be found in the library catalog by searching “Discovery Kits” or by clicking this link:

[Discovery Kits](#)

To place a Discovery Kit on hold select: “Hold Specific Copy.”


☐ Select All 1  



1. ☐ **Discovery Kits [kit]**

Publisher 2024

Series Library of Things. Book & Media **Kits** Library of Things. Science & Engineering

Format:  3-D Object

Holds: 0

Copies: 25

Library	Call Number	Location	Status
Menasha	Architect	Library of Things Display - Local Hold Only	Available
Menasha	Bird Watching	Library of Things Display - Local Hold Only	Available
Menasha	Brain Teasers & Riddles	Library of Things Display - Local Hold Only	Available

[Show More](#)

Place Hold

Hold Specific Copy

Text This To Me

Link To This

Choose the specific kit you would like to place on hold by selecting “Hold Specific Copy” on the same row as the name of the kit you want.

Library	Call Number	Location	Holdable	Status	Item Holds
Menasha	Brain Teasers & Riddles	Library of Things Display	Local Hold Only	Available	Hold Specific Copy
Menasha	Building	Library of Things Display	Local Hold Only	Available	Hold Specific Copy
Menasha	Bird Watching	Library of Things Display	Local Hold Only	Available	Hold Specific Copy
Menasha	Architect	Library of Things Display	Local Hold Only	Available	Hold Specific Copy
Menasha	Bugs & Insects	Library of Things Display	Local Hold Only	Available	Hold Specific Copy



Set “Menasha” as the Pickup Library & select “Place Hold”

Place Hold(s) 

Title

Discovery Kits [kit]

Pickup Library:

Menasha

Place Hold(s)

Discovery Kit Developmental Levels

These developmental recommendations are guidelines, individual difficulty will vary.

Early (*ages 3 - PreK*)

- Colors
- Tactile & Touch
- Coloring
- Counting
- Pattern
- Shapes

Intermediate + (*ages 5 - 8 with support, 9+ independent*)

- Astronomy
- Bugs & Insects
- Fossils
- Human Body
- Magnets
- Plants & Flowers
- Rocks & Minerals
- Simple Machines
- Architect
- Building
- Drawing
- Magic
- Addition & Subtraction
- Number Sense

Advanced Learners (*ages 9+*)

- Coding & Robotics
- Electricity
- Brain Teasers & Riddles
- Origami
- Mathematical World
- Math Brain Training
- Multiplication & Division
- Spatial Awareness

Science Kits

Astronomy

Books

- *Astronomy for Kids* by Bruce Betts, PhD
- *Constellations for Kids* by Kelsey Johnson
- *Rocket Says Look Up!* by Nathan Bryon

Items

- Gskyer AZ70400 Telescope

Bird Watching

Books

- *The Big Book of Birds* by Yuval Zommer
- *Bird Builds a Nest* by Martin Jenkins
- *Bird Watch: What Will You Find?* by Editors of Storey Publishing

Items

- Binoculars

Bugs & Insects

Books

- *Bug Hunt: What Will You Find?* by Editors of Storey Publishing
- *Hello, World! Kids' Guides: Exploring Insects*
Exploring Insects by Jill McDonald
- *Some Bugs* by Angela DiTerlizzi

Items

- National Geographic Bug Catcher Kit for Kids
 - Insect Habitat
 - Magnifying Glass
 - Net

Colors

Books

- *Babies Love Colors* by Michelle Rhodes Conway
- *Mix it Up!* by Hervé Tullet
- *Mixed: A Colorful Story* by Arree Chung

Items

- Magnetic Color Sorting Set
 - 11 magnetic paint cans for sorting
 - 55 thick and sturdy magnetic pieces

Dinosaurs

Books

- *Dinosaur Book with 30 species Facts, Names & Realistic Sounds* by Hemalleon
- *Dinosaur Lady* by Linda Skeers
- *The Girl and the Dinosaur* by Hollie Hughes
- *The Magnificent Book of Dinosaurs* by Tom Jackson

Items

- 12 Plastic Dinosaur Figures

Forces & Motion

Books

- *A Crash Course In Forces & Motion with Max Axion, Super Scientist* by Emily Sohn
- *Forces & Motion: Physics of Motion and Forces for Kids* by Booksgeek

Items

- National Geographic Glowing Marble Run - 150 Piece Construction Set

Fossils

Books

- *The Fossil Hunter* by Kate Winter
- *Fossils for Kids: A Junior Scientist's Guide to Dinosaur Bones, Ancient Animals, and Prehistoric Life on Earth* by Ashley Hall
- *My Book of Fossils: A fact-filled guide to prehistoric life* by Dean R. Lomax

Items

- DANCING BEAR Fossil Collection Sorting Activity Kit
 - Over 100 Fossil Pcs, Educational ID Sheet, Color ID Cards, Bags, Magnifying Glass, and Shark Teeth

Human Body

Books

- *The Magic School Bus: Inside the Human Body* by Joanna Cole
- *My Amazing Body Machine* by Robert Winston
- *Parts* by Tedd Arnold

Items

- National Geographic Human Body Model for Kids That Glows in The Dark
- Human Body Activities & Experiments Science Kit

Magnets

Books

- *Magnet: How William Gilbert Discovered That Earth is a Great Magnet* by Darcy Pattison
- *Magnet Max* by Monica Lozano Hughes
- *Magnets: Pulling Together, Pushing Apart* by Natalie M. Rosinsky

Items

- Thames & Kosmos Magnetic Science STEM Experiment Kit

Plants & Flowers

Books

- *Discovering Plants & Flowers* by Storey Publishing
- *Plant: Explore the extraordinary world of plants & flowers* by Annabel Griffin
- *Wildflower* by Melanie Brown

Items

- Binoculars
- Magnifying Glass

Rocks & Minerals

Books

- *Rocks & Minerals: all the latest facts from the field* by Ruth Strother
- *My Book of Rocks & Minerals* by Devin Dennie
- *Rock Hunt* by Storey Publishing
- *What can you do with a rock?* by Pat Zietlow Miller

Items

- Thames & Kosmos Magnetic Science STEM Experiment Kit

Tactile & Touch

Books

- *Backyard Bugs* by Little Hippo Books
- *See, Touch, Feel: A First Sensory Book* by Rodger Priddy
- *The Touch Book: A sensory book to explore* by Nicola Edwards

Items

- Montessori Busy Board for Toddlers Wooden Sensory Toy with 12 Sensory Activities

Technology Kits

Coding & Robotics

Books

- *Coding Games in Scratch* by Jon Woodcock
- *How to be a coder* by Kiki Prottsman
- *Secret Coders* by Gene Luen Yang

Items

- Makeblock mBot Robot Kit with Scratch Coding Box4
- Ipad with mBlock Blockly to program mBot robot

Electricity

Books

- *Electric Circuit: Electricity Book for Kids* by Booksgeek
- *Electricity for Kids: Picture and activity book for kids* by Booksgeek
- *Oscar and the Bird: a book about electricity* by Geoff Waring

Items

- Snap Circuits Classic SC-300 Electronics Exploration Kit

Simple Machines

Books

- *The kids' book of simple machines: cool projects & activities that make science fun* by Kelly Doudna
- *Rube Goldberg's simple normal humdrum school day* by Jennifer George
- *Simple Machines: Wheels, levers, and pullys* by David A. Adler

Items

- Learning Resources STEM Explorers Machine Makers 60 piece set
- Learning Resources Gears! Gears! Gears! Machines in Motion Building Set

Engineering Kits

Arcitect

Books

- *100 Things to Know about Architecutre* by Louise O'brein & Leanne Daphne
- *Adventures in architecutre for kids: 30 design projects for STEAM discovery and learning* by Vikcy Chan
- *Awesome architecture activities for kids: 25 exciting STEAM projects to design and build* by Andrea Mulder-Slater, Geoff Slater & Jantje Blokhuis-Mulder
- *Iggy Peck, Architect* by Andrea Beaty

Items

- Rainbow Toyfrog Straws Constructor 300 pcs set

Building

Books

- *Boxitects* by Kim Smith
- *How was that Built?: The Stories behind Awesome Structures* by Roma Agrawal
- *The Most Magnificent Thing* by Ashley Spires

Items

- KEVA Structures 200 Wood Building Planks Set

Engineering

Books

- *Engineering for curious kids : an illustrated introduction to building machines and amazing structures!* by Chris Oxlade
- *How to be an engineer* by Emily M. Hunt
- *Rosie Revere, engineer* by Andrea Beaty

Items

- Engino Creative Engineering STEM Maker Master Ultimate 60-Model Set

Arts Kits

Brain Teasers & Riddles

Books

- *The 100 best brain teasers for kids: a mind-blowing challenge of wordplay, math, and logic puzzles* by Danielle Hall
- *The challenging riddle book for kids: fun brain-busters for ages 9-12* by Danielle Hall

Items

- Word Teasers Riddles - Riddle Game for Kids, Teens & Adults

Coloring

Books

- *How the crayons saved the rainbow* by Monica Sweeney
- *Mixed: a colorful story* by Arree Chung
- *The Usborne big book of colors* by Felicity Brooks, Sophia Toulaitou & Claire Ever

Items

- Jar Melo Jumbo Crayons for Toddlers - 24 Colors Washable, Twistable Crayons
- Drawing Pad

Drawing

Books

- *Art for kids: Drawing, the only drawing book you'll ever need to be the artist you've always wanted to be* by Kathryn Temple
- *How to draw: easy techniques and step-by-step drawing for kids* by Aaria Baid
- *Ish* by Peter H. Reynolds

Items

- Art Supplies Drawing Kit - 146 Pcs Drawing Pencils: Colored, Graphite, Metallic, Charcoal
- 9" x 12" Hardcover Sketchbook

Magic

Books

- *Everyday magic for kids: 30 amazing magic tricks that you can do anywhere* by Justin Flom
- *Magic tricks with coins, cards, and everyday objects* by Jake Banfield
- *The magician's hat* by Malcom Mitchell

Items

- National Geographic Kids Magic Set - 45 Magic Tricks for Kids to Perform with Step-by-Step Instructions

Origami

Books

- *Easy Origami* by John Montroll
- *Origami Book - 25 Easy Colored Projects* by Kool Krafts

Items

- 6x6 Origami Paper in 20 colors and 50 traditional Japanese Patterns

Math Kits

Counting

Books

- *How the crayons saved the rainbow* by Monica Sweeney
- *Mixed: a colorful story* by Arree Chung
- *The Usborne big book of colors* by Felicity Brooks, Sophia Touliaou & Claire Ever

Items

- Jar Melo Jumbo Crayons for Toddlers - 24 Colors Washable, Twistable Crayons
- Drawing Pad

Addition & Subtraction

Books

- *The action of subtraction* by Brain P. Cleary
- *Arithmechicks add up* by Ann Marie Stephens
- *Ish* by Peter H. Reynolds

Items

- Addition by Heart Visual Flash Cards
- Learning Resources Math Island Addition & Subtraction Game

Math Games & Puzzles

Books

- *Math Curse* by Jon Scieszka
- *Miss Brain's Cool Math Games: for kids in grades 1-3* by Kelli Pearson
- *Miss Brain's Cool Math Games: for kids in grades 3-5* by Kelli Pearson
- *Smart Kids! 101 Math Puzzles* by Joe Fullman

Items

- Game Boards and Math items (desk of cards, counters, dice, ect.) for Miss Brain's Cool Math Games books

Mathematical World

Books

- *I'm trying to love math* by Bethany Barton
- *Math for curious kids: an illustrated introduction to numbers, geometry, computing, and more!* by Lynn-Huggins-Cooper
- *What's the point of math?* by Ben Ffrancon Davies & Junaid Mubeen

Items

- Mindware Brain Box Math - Math memory game

Multiplication & Division

Books

- *The best of times: math strategies that multiply* by Greg Tang
- *The great divide* by Dayle Ann Dodds
- *If you were a times sign* by Trisha Speed Shaskan

Items

- Multiplication by Heart Visual Flash Cards
- Target Math Game - a Fast-Paced Mental Math Game for Practicing Addition, Subtraction, Multiplication & Division

Patterns

Books

- *A-b-a-b-a-- : a book of pattern play* by Brain P. Cleary
- *Look & learn patterns!* by National Geographic Kids
- *My first book of patterns* by Bobby George & June George

Items

- Kids First Math: Kacing Beads Math Kit with Activity Cards

Shapes

Books

- *Square* by Mac Barnett
- *Triangle* by Mac Barnett
- *We are the shapes* by Kevin Jenner

Items

- EAMAY Shape Sorter Toy - Shape puzzles and matching games set with 8 sorting mats and 48 everyday objects pieces
- 3 Bees & Me Wooden Pattern Blocks Tangram Shapes Puzzle Set with 155 Pieces