

## Clay Lab For Kids Lab Series

Produce your own circus! Make your own stilts, juggling sticks, and tightrope, then learn to use them; master the human pyramid; discover how to create your own circus acts and shows; and much more with DIY Circus Lab for Kids. Companion online video tutorials for every prop and skill make learning easy. Veteran circus educator Jackie Leigh Davis takes you, step by step, through the props and skills you need to perform all the major circus arts: Acrobatics, acrobalance, and human pyramids Balance arts Clowning Gyroscopic and toss juggling You'll learn how to make juggling balls, a hoola hoop, a rola bola, a clown nose and hat, and a pair of poi, among other circus essentials. With these props, you'll learn how to juggle, hoop, balance, perform clown gags, and more. Photo demonstrations, numbered steps, and online tutorials ensure you'll understand exactly how to make the props and perform the skills. Did you know that a tight rope walker in Ancient Greece was called a funambulus? Or that female jugglers can be found pictured in 4,000-year-old hieroglyphs on the wall of an Egyptian tomb? DIYCircus Lab for Kids includes the history of each family of circus skills. "Circademics" sidebars explore the science and academics behind the circus activities, like how the brain changes when you learn how to juggle. "Circussecrets" sidebars throughout connect circus arts to social and emotional skills, like listening, persistence, and asking for and giving help. Many of the skills in this book are safe enough for kids to do themselves, with a few requiring an adult "spotter" so families or classes can enjoy them together. Once you've learned how to create your own circus with DIY Circus Lab for Kids, you can also: host a circus prop-making party, start a juggling club at school, clown at a senior center or daycare, start a community circus meet-up in a park, or integrate circus themes into your school's curriculum—the opportunities for circus fun are endless. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even bugs—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

In *Stitch and String Lab for Kids*, art teacher and winner of the Netflix bake-off show *Nailed It!* Cassie Stephens presents 40+ inventive projects that explore everything from simple sewing, embroidery, and weaving to string art, needle felting, and yarn crafts. *Stitch and String Lab for Kids* leads children, step by step, through a huge range of sewing and fiber art projects. As they go, they will learn a variety of techniques, develop dexterity and coordination, and enjoy making a variety of creative projects. Kids will employ simple embroidery stitches to embellish a sun catcher, wall hangings, and an appliqué animal. Sewing projects include a drawstring bag, a sketchbook jacket, and custom plushies. Children will learn how to make custom looms to weave bookmarks, bracelets, and even a mini rag rug. They will also experiment with string art, needle felting, shibori dyeing, pompom animals, as well as finger knitting, yarn art, and cool wrapping projects. Each project includes a materials list and illustrated steps, and the book is filled with useful tips, tricks, and shortcuts. *Stitch samplers* will teach the basics, and templates are included for plushies and stuffies. Kids are encouraged to make variations and personalize the projects to their own style and personality. These 43 creative projects offer a broad and rich sampling of sewing, fabric, and fiber crafts—*Stitch and String Lab for Kids* is perfect for keeping kids busy with educational activities at home, learning techniques and experimenting at school, or

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having a ball at camps and parties. Parents, teachers, homeschoolers, and facilitators will appreciate the easy, illustrated instruction and the curriculum-friendly format, with projects that can be completed in any order. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids. Presents art lessons for art projects of varying styles including drawing, printmaking, and mixed media.

In Unofficial Minecraft Life Hacks Lab for Kids, Adam Clarke (aka Wizard Keen) and Victoria Bennett offer projects and gameplay that will guide you to make great choices as a player and a person. Minecraft is an amazing game that stimulates your creativity as you build whatever you can imagine, but it's also great for learning about how to be a good citizen and mining positive connections with other players—in-game, elsewhere online, and in real life. With this book, you'll learn about: How to set good gaming ground rules, collaborate, and resolve conflicts. Online resources, servers, and organizations that promote and guide positive play. Minecraft projects that promote and guide positive play and positive digital citizenship. Make every build a block party by learning to think critically, behave safely, and participate responsibly with Unofficial Minecraft Life Hacks Lab for Kids! The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

Your bug adventure starts here! Bug Lab for Kids is a collection of more than 40 fun activities for exploring the exciting world of arthropods, which makes up more than 90 percent of all animals on earth, including insects, spiders, centipedes, butterflies, bees, ants, and many others! Written by entomologist and educator Dr. John W. Guyton, this fascinating and informative book teaches young bug enthusiasts how to find, interact with, and collect arthropods safely. Begin Your Adventure. Learn how to dress to collect, start a field notebook, and use the scientific method, as well as the best places to look for bugs. Also, make and use an insect net, collecting jars, pitfall traps, and more, and investigate how to care for live arthropods. Preserving Insects. Find out the best ways to photograph insects, make a spreading board, and pin insects. The Most Common Insect Orders. Explore Coleoptera (beetles), Diptera (flies and mosquitos), Odonata (dragonflies and damselflies), and many more. Other Arthropods. Conduct experiments with centipedes and millipedes, sow bugs and pill bugs, granddaddy longlegs, and others. Creative Projects. Re-create a paper wasp's nest with papier-mache, make a pitcher plant and fly game, and set up a butterfly watering station. Butterflies, Bees & Other Pollinators. Learn how to rear butterflies and explore their migration patterns, conduct a local survey of pollinators, host a honey tasting, and make a pollinator habitat. Turn a fascination for bugs into a love of science and nature with Bug Lab for Kids! The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can

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Clay Lab for Kids 52 Projects to Make, Model, and Mold With Air-Dry, Polymer, and Homemade Clay Lab

“A charming introduction to the thrill of creating something with fabric and thread . . . Great for aspiring sewists of all ages!” (Gretchen Hirsch, author of *Gertie’s New Book for Better Sewing*) Sewing is a skill that’s both fun and functional, and there’s no better way to get started than with jolly Miss Patch! She learns how to thread a needle, cut patterns, and sew a fine seam by hand. With the help of Miss Patch, and the book’s many diagrams and amusing drawings, beginning sewists can learn to make a pillow, a bag, a patchwork quilt, an apron, and even simple clothes. Originally published in 1969, this is a timeless introduction to the pleasures of sewing. “Overall, this book was nicely put together and included an introduction to sewing which was perfect for young girls and boys . . . It was creative and fun to look through.”

—Sweetly Made (Just for You)

Learn about the Earth’s atmosphere and weather patterns through a series of hands-on and exciting learning experiences with Professor Figgy’s Weather and Climate Science Lab for Kids.

Provides an introduction to clay and pottery, plus instructions for twenty-five projects using various methods, such as a pinch-and-coil Japanese tea bowl and a press-molded hanging bird bath.

There are endless ways to get creative with felt! This book introduces readers to crafting with this affordable and versatile material. Readers will learn important techniques for making several projects, such as a felt pouch, bird ornament, and a monster stuffie. Easy and accessible instructions walk readers through each project, while photographs illustrate each step. Young crafters will have fun working on their very own felt masterpieces!

A refreshing source of ideas to help children learn how to grow their own garden encourages families to enjoy nature and features 52 creative plant-related activities set into weekly lessons. Original.

Dig in and learn about the Earth under your feet. Geology Lab for Kids features 52 simple, inexpensive, and fun experiments that explore the Earth’s surface, structure, and processes. This family-friendly guide explores the wonders of geology, such as the formation of crystals and fossils, the layers of the Earth’s crust, and how water shapes mountains, valleys, and canyons. There is no excuse for boredom with a year’s worth of captivating STEAM (Science, Technology, Engineering, Art & Math) activities. In this book, you will learn: How to identify the most common rocks and minerals How to maintain and display your rock collection How insects are trapped and preserved in amber How geysers and volcanoes form and erupt How layers of rock reveal a record of time How to pan for gold like a real prospector Geology is an exciting science that helps us understand the world we live in, and Geology Lab for Kids actively engages readers in simple, creative activities that reveal the larger world at work. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay,

bugs, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

"Nashville art teacher Cassie Stephens makes clay a focus of her elementary school classes with amazing results. In Clay Lab for Kids she shares 32 creative hands-on projects."--

Through the art of origami, students will journey back in time to when dinosaurs roamed the earth. Readers will follow step-by-step instructions and diagrams to make impressive models of familiar prehistoric favorites such as the pterodactyl, Tyrannosaurus rex, and triceratops, as well as come to learn about some not so well-known species such as the camptosaurus, plateosaurus, and plesiosaurus. The book also includes an introduction to the types of paper that can be used, a key explaining the different symbols, a glossary, a further reading section, and an index.

Art Teacherin' 101 is a book for all elementary art teachers, new and seasoned, to learn all things art teacherin' from classroom management, to taming the kindergarten beast, landing that dream job, taking on a student-teacher, setting up an art room and beyond. It's author, Cassie Stephens, has been an elementary art teacher for over 22 years and shares all that she's learned as an art educator. Art teachers, home school parents and classroom teachers alike will find tried and true ways to make art and creating a magical experience for the young artists in their life.

Encourage an artistic spirit in children with 36 kid-friendly fine art projects in paper, clay, textiles, sculpture, and jewelry. Each project is inspired by the work of a prominent artist and is illustrated with step-by-step color photographs of the process as well as finished samples and variations. Have fun exploring: paper by making paper bead figures from magazines, pipe cleaners, wooden beads, and other common supplies. clay by creating whimsical pinch pot birds. textiles by making a nature weaving with two branches, various items collected from nature, yarn, string, ribbon, and glue. sculpture by creating a little world featuring miniature plants, animals, and objects under a stemless wineglass. jewelry by making a modern cameo pin from tiny beads, cardstock, felt, pin, and glue. Colorful photos illustrate how different people using the same lesson will yield different results, exemplifying the way the lesson brings out each artist's personal style. On-site visits to the studios of an established potter, metal smith, jeweler, and sculptor illustrate first-hand accounts of their creative process. 3D Art Lab for Kids is the perfect book for creative families, friends, and community groups and works as lesson plans for both experienced and new art teachers. Children of all ages and experience levels can be guided by adults and will enjoy these engaging exercises. The popular Lab for Kids series features a growing list

of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

Make super silly, gross and goofy projects with lightweight, air dry clay! With Freaky Funny Clay, you'll never say "I'm bored" again! Using super lightweight, air dry clay that's easy to find in any craft store, you will create lots of easy projects for hours of fun. Spark your creativity with some funny projects that will make you laugh and that will make your mom say "ewwwww!" when she comes across your carefully hidden "rotten eggs." That's right, these projects aren't for the feint of heart. This is, after all, Freaky Funny Clay! Hey Parents! This book: Includes 20 step-by-step clay projects for children, including eyeballs, heads and bodies in a variety of shapes, easy game pieces and more. Uses inexpensive air dry clay that is widely available in a variety of colors and that won't require special tools or tons of clean up. Will give your kids ages 4-12 (or the kid in you!) hours of creative projects.

Art Lab for Kids, Express Yourself is a fun collection of art activities that encourage children to create freely, using their own thoughts and experiences as a guide. One of the most important gifts we can give children is to nurture their creativity and allow them to express themselves freely. There's no better way to express yourself than through creative art projects. This is especially true for children because it gives them an outlet to explore their developing interests and strengths. Art Lab for Kids: Express Yourself contains 52 brand new original art projects that will draw out each young artist as they discover their style, document their thoughts, and build confidence in their unique perspective. Each lesson asks questions and offers personal choices while encouraging diverse approaches and creative thinking. The Colorful Beasts project, which incorporates discussion of endangered animals with the Blue Rider art movement, asks children to use torn colored tissue paper and glue to create an expressive representation of a favorite vulnerable animal. In I Built This City, children imagine and build their own cityscape using columns of newspaper text to make buildings on top of a watercolor painted background, and detailed with marker. Many projects include varying examples and executions of the activity to illustrate and reinforce the open-ended nature of the labs, inspiring children to embrace and share their own voice. Give children the great gift of creative self-exploration with Art Lab for Kids, Express Yourself. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their

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3D Art Lab for Kids features 36 fine art projects in paper, clay, textiles, sculpture, and jewelry. Each project is inspired by the work of a prominent artist and is illustrated with step-by-step full-color photographs, finished samples, and variations.

"Math Lab for Kids provides 52 fun labs to teach children basic math concepts through activities and games."--

The creator behind the blog Pink Stripey Socks brings her crafting talent to cardboard! With these easy-to-make, imagination-growing cardboard crafts, kids can put on a show, travel back in time, and even rocket to outer space!

DIVAt-home science provides an environment for freedom, creativity and invention that is not always possible in a school setting.

In your own kitchen, it's simple, inexpensive, and fun to whip up a number of amazing science experiments using everyday ingredients./divDIV /divDIVScience can be as easy as baking. Hands-On Family: Kitchen Science Lab for Kids offers 52 fun science activities for families to do together. The experiments can be used as individual projects, for parties, or as educational activities groups./divDIV /divKitchen Science Lab for Kids will tempt families to cook up some physics, chemistry and biology in their own kitchens and back yards. Many of the experiments are safe enough for toddlers and exciting enough for older kids, so families can discover the joy of science together.

A unique reference for creating fine art with children through finding the student's own voice and style includes playful lessons that result in significant skill building. Photographs show different results from different people using the same lesson. Original.

Create 25 amazing projects with 3D printing! With 3D Printing and Maker Lab for Kids, you can explore the creative potential behind this game-changing technology. Design your projects using free browser-based versions of CAD software Tinkercad and SketchUp. Follow the simple steps to create a variety of different projects. Learn about the fascinating science behind your creations. Get guidance on organizing team activities and contests. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids. Be a part of the future with 3D Printing and Maker Lab for Kids!

Little Learning Labs: Unofficial Minecraft for Kids--an abridged edition of Unofficial Minecraft Lab for Kids--offers a variety of creative exercises that explore the game through fun, educational lessons. Activities selected from an Amazon Best Kids' Books

of 2016 pick! Balancing your child's screen time can be difficult, especially when it comes to wildly popular, open-ended video games like Minecraft. Minecraft offers players an environment focused on exploration, imagination, and creation, but its nonlinear game structure can mean spending a lot of time in the game. You will start the book by brushing up on some common Minecraft terminology and examining the two main modes of game play: creative and survival. You'll then use this knowledge to venture off onto the six different quests that combine out-of-game and in-game activities and encourage child and adult participation. You'll even learn how to screencast and narrate your own videos to share with family and friends. *Little Learning Labs: Unofficial Minecraft for Kids* provides fun, educational gaming goals that you and your child can reach together!

Explore the wonders of the universe through hands-on fun! In *Astronomy Lab for Kids*, science educator Michelle Nichols has compiled 52 labs and activities that use everyday materials from around the house to encourage kids, their friends, and their families to look up, down, and around at everything from the shadows on the ground to the stars in the sky. Mini astronomers will learn about things such as the size and scale of planets using sandwich cookies and tennis balls, how to measure the speed of light with a flat candy bar and a microwave, how to make a simple telescope with magnifying glasses, and so much more! Kids begin their journey through the stars by creating a science journal to track their experiments and record their observations. Foundational skills, like how to make observations, measure angles, and determine directions, are laid out first. The lessons expand with explorations of size and scale; light, motion, and gravity; and then on to investigations of our Solar System and finding constellations in the night sky. Each lab includes: Time it will take to complete Materials list Safety tips and setup hints Step-by-step text and photos The science behind the fun Variations or ideas for taking the project further Children of all ages and experience levels will love the hands-on activities and adults will love spending quality time learning with their kids or students. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

Learn physics, chemistry and biology in your own backyard! At-home science provides an environment for freedom, creativity and invention that is not always possible in a school setting. In your own backyard, it's simple, inexpensive, and fun to whip up a number of amazing science experiments using the great outdoors. Science can be found all around in nature. *Backyard Science Lab for Kids* offers 52 fun science activities for families to do together. The experiments can be used as individual projects, for parties, or as educational activities for groups. *Backyard Science Lab for Kids* will tempt families to learn about physics, chemistry and biology in their backyards. Learn scientific survival skills and even take some experiments to the playground! Many of the experiments are safe enough for toddlers and exciting enough for older kids, so families can discover the joy of science together.

The most impressive LEGO models often take careful planning (and lots of pieces), but with some inspiration, a little imagination, and a number of tried-and-true techniques, you too can turn bricks into a masterpiece. In *The Art of LEGO® Design*, author Jordan Schwartz explores LEGO as an artistic medium. This wide-ranging collection of creative techniques will help you craft your own amazing models as you learn to see the world through the eyes of some of the greatest LEGO builders. Each concept is presented with a collection of impressive models to spark your imagination—like fantastic dragons, futuristic spaceships, expressive characters, and elaborate dioramas. You'll discover some of the inventive techniques that LEGO artists use to:

- Create lifelike creatures from unusual elements like inside-out tires and minifigure capes
- Design sleek cars without showing a single stud
- Add ambience to dioramas with light bricks or LEDs
- Craft eye-catching textures to create cobblestone roads and brick walls
- Build sturdy, detailed, posable mechs and other figures
- Add depth with forced perspective and interesting silhouettes

Interviews with the talented builders behind many of the book's models reveal their thoughts on the design process and what inspires them most. Even if you've been building with LEGO since you could crawl, you'll find new inspiration in *The Art of LEGO® Design*.

*Kitchen Science Lab for Kids: EDIBLE EDITION* gives you 52 delicious ways to explore food science in your own kitchen by making everything from healthy homemade snacks to scrumptious main dishes and mind-boggling desserts. When you step into your kitchen to cook or bake, you put science to work. Physics and chemistry come into play each time you simmer, steam, bake, freeze, boil, puree, saute, or ferment food. Knowing something about the physics, biology, and chemistry of food will give you the basic tools to be the best chef you can be. Bodacious Bubble Tea, Flavorful Fruit Leather, Super Spring Rolls, Mouthwatering Meatballs...divided by course, each lab presents a step-by-step recipe for a delicious drink, snack, sauce, main dish, dessert, or decoration. The Science Behind the Food section included with each recipe will help you understand the science concepts and nutrition behind the ingredients. Have fun learning about:

- Bacteria and the chemical process of fermentation by making your own pickled vegetables.
- Emulsion as you create your own vinaigrette.
- How trapped water vapor causes a popover to inflate as you make your own.
- Crystals by making your own ice cream.

Mix and match the recipes to pair pasta with your favorite sauce, make ice cream to serve in homemade chocolate bowls, or whip up the perfect frosting for your cake. There are plenty of fun, edible decorations included for the art lovers in the crowd. Before long, you'll have the confidence to throw together a feast, bake and decorate show-worthy cakes, or use what you've learned to create your own recipes. For those with food allergies, all recipes are nut-free and other allergens are clearly labeled throughout. Let's get cooking—and learning! The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab



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Mindfulness is a powerful practice to help kids find calm in the midst of everyday stress--but how to make it accessible and fun? In *Crafting Calm: Art and Activities for Mindful Kids*, kids engage in and practice mindfulness through fun and easy exercises, quizzes, crafts, and activities, with the goal of learning a deeper sense of calm, peace, joy, and connection to the world around them, all while improving emotional intelligence, boosting self-esteem, and reducing anxiety. Perfect for kids to do alone or with the help of an adult, the activities in *Crafting Calm* will have kids playing, tinkering, creating, and doodling their way to peaceful, balanced minds.

Includes instructions and clay for making all different kinds of permanent clay creations

Brain Lab for Kids offers 52 family-friendly activities, science experiments, and models to help you understand how the brain accomplishes all that it does. Riding a bicycle, learning a new language, catching a ball, reading a book: these activities and everything else we see, hear, feel, and do are made possible by the soft, whitish-pink substance inside our heads called the brain. These hands-on projects will give you a new appreciation for your brain and the many amazing things it does for you. Have fun learning: how cerebrospinal fluid works by dropping eggs held in containers, with and without water. about touch receptors by making a touch maze with glue and cardboard. how people filter out unneeded sound by conducting a listening experiment. how vision interacts with taste and smell by tasting colored drinks. The labs are organized by unit themes: The Neuron, The Brain, Reflexes, Taste, Smell, Vision, Touch, Hearing, Sleep and Body Rhythms, and Memory. The "What's Going On" section for each lab explains the science behind the fun. "Brain Facts" are interesting, and perhaps surprising, bits of trivia related to each lab. Finally, "Thinking Deeper" has suggestions for taking the lab further. The expanding field of brain science, also called neuroscience, offers the opportunity for all of us to learn about ourselves and others, and how we can better communicate, motivate, inspire, and just plain collaborate together. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results.

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For readers looking for a new crafting project, creating with pipe cleaners is a simple, fun introduction to crafting. Readers will learn how to make figures such as dogs, cats, and flowers out of pipe cleaners. They will also learn how to make bracelets, rings, and crowns to wear while playing dress-up. Each project is explained through clear instructions, which are supported with step-by-step color photographs. These colorful pipe cleaner projects are perfect for beginning crafters everywhere!

Introduce kids to stop-motion animation and animated filmmaking. Animation is everywhere--from movies and TV to apps and video games--and today's tech-savvy kids know all about it. With the accessibility and ease of use of cameras and video-editing software, people of all ages are learning how to make stop-motion animation. In "Animation Lab for Kids," artists, teachers, and authors Laura Belmont and Emily Brink present exciting, fun, hands-on projects that teach kids a range of animation techniques. From the classic zoetrope, flip book, and cel methods (which don't require any devices or technology) to different methods of shooting, the lessons require no previous experience for either child or adult.

Experimenting with a variety of art materials (drawing, clay, and paper cut-outs), young animators will learn to plan a film through writing, storyboarding, and creating sets. The book also features helpful and informative sidebars on the history of the early animation techniques as well as the inspiring work of innovative and influential animators, including Kirsten Lepore, PES, Hailey Morris, and William Kentridge. The authors are co-founders and lead teachers of The Good School, an arts-education school that cultivates and combines traditional art-making skills and the technologies involved in stop-motion animation filmmaking. They teach animation techniques at camps, schools, and events, including the New York International Children's Film Festival.

Playful Learning Lab for Kids is a hands-on activity book that offers games and activities that revolve around the senses and concepts in reading, math, art, and science. Recent research has shown that children learn and develop new skills more quickly when they engage in playful, whole body activities. Movement allows them to refocus their attention, improves brain function, reduces stress, and improves circulation. Not only that, but the more senses that are used for learning, the more likely information is to be stored and retrieved. The activities in Playful Learning Lab for Kids explore concepts in reading, language, math, art, music, science, geography, and social studies, all while engaging children with movements, touch, sound, and sight. Most distinguishing of all, the activities and lessons here include suggestions for tailoring the experience to different levels, making it a book children can grow with. The skills range from visual perceptual skills and spatial awareness, to early geometry concepts, visual motor integration, and fine motor skills.

Authors Claire Heffron and Lauren Drobnjak, pediatric occupational and physical therapists with years of experience in clinical and school-based settings, share their best tips and strategies for helping little learners reach their fullest potential through these engaging and fun activities. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

Art Workshop for Children is not just another book of straightforward art projects. The book's unique child-led approach provides a framework for cultivating creative thinking and encourages the wonder that comes when children are allowed to freely explore the creative process and their materials. As children work through these open-ended workshops, adults are guided on how to be facilitators who provide questions, encourage deep thinking, and help spark an excitement for discovery. Children explore basic materials and workshops that use minimal supplies, and then gradually add new materials to fill the art cabinets as well as new skills and more complex workshops. Most workshops are suitable to preschool-aged children, and each contains ideas for explorations and new twists to engage older or more experienced artists. Interspersed throughout are sidebar essays that introduce perspectives on mess-making, imperfection, the role of adult, collaborative art, and thoughts on the Reggio Emilia method, a self-guided teaching philosophy. These pieces underscore the value of art-making with children, and support the parent/teacher/care-giver on how to successfully lead, question, and navigate their children through the workshops to result in the fullest experiences.

STEAM Lab for Kids is an art-forward doorway to science, math, technology, and engineering through 52 family-friendly experiments and activities. While many aspiring artists don't necessarily identify with STEM subjects, and many young inventors don't see the need for art, one is essential to the other. Revealing this connection and encouraging kids to explore it fills hungry minds with tools essential to problem solving and creative thinking. Each of the projects in this book is designed to demonstrate that the deeper you look into art, the more engineering and math you'll find. "The STEAM Behind the Fun" sections throughout explain the science behind the art. Learn about: angular momentum by making tie-dyed fidget spinners. electrical conductors by making graphite circuits. kinetic energy by making a rubber band shooter. symmetry by making fruit and veggie stamps. much more! From graphite circuit comic books to edible stained glass, young engineers and artists alike will find inspiration aplenty. The popular Lab for Kids series features a growing list of

books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

In Clay Lab for Kids, art teacher and winner of the Netflix bake-off show Nailed It! Cassie Stephens presents 52 hands-on projects made with kid-friendly clays that get kids working creatively and thinking three-dimensionally. Squishy, colorful, and infinitely shapable, clay just might be the most versatile art material for kids. Author-artist-teacher Cassie Stephens has created all-new clay projects for kids of all skill levels. Start with the basics of rolling, coiling, and pinching pots, and move up to making "Jurassic fossils," animal marionettes, monster magnets, and boxes with secret compartments. All of the projects use kid-friendly, no-kiln clay (air-dry, homemade, and polymer) and water-based paints, perfect for home and classroom, plus there's an entire chapter of recipes for mixing up inexpensive homemade clays in the kitchen. When creating with clay, kids are introduced to a wide range of cognitive and manual skills: they'll work three-dimensionally; make figurative models; use their imaginations in making jewelry and toys; design with color; and decorate with paints. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, bugs, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

Offers detailed advice on how to draw male and female warriors, show combat, and create scenes for these characters. Paint Lab for Kids is an inspiring collection of 52 fresh, kid-friendly projects for nurturing an artistic spirit and a love of art through working and playing with paint. Popular artist and author Stephanie Corfee offers an exciting resource of easy-to-follow instructions supported throughout with step-by-step, full-color photographs for projects that teach techniques, stimulate new ideas, explore color, combine materials in interesting ways, and encourage self-expression. Each project sequence includes a complete materials list, a finished sample, and the inspiring work of a noted artist. Have fun exploring: painting techniques by making folded paper insect monoprints. your imagination with a marbled paper galaxy

painting. color with pencil eraser pointillism. mixed media art by embellishing a family photo mounted on canvas. This book is perfect for anyone who teaches or leads hands-on art experiences: creative, DIY-inspired parents, families, friends, homeschoolers, scouting, community, and youth group leaders. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

With Craft Lab for Kids, help your kids tap into the fun and empowerment of creating their own custom designs to wear, decorate with, and give. Spruce Up Your Stuff. Learn fun ways to personalize with a variety of embellishment techniques Express Yourself! Add your personality to all kinds of homemade projects Take Care of YOU. Self-care DIY projects to benefit their well-being Kids Just Wanna Have Fun. Just-for-fun projects to make everyone smile Classic Crafts with a Twist. Tried-and-true crafts updated for today's kids 15-Minute Makes. Quickie crafts to make in a flash Kindness Crafts. Crafty creations to brighten someone's day Enjoy the pleasure and satisfaction of making things together with Craft Lab for Kids! The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus—all authored by established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

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