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101 Great Science Experiments-Dorling Kindersley 2015-01-02 With easy, step-by-step science activities for kids using ingredients found at home, discover the secrets of chemistry, physics, and biology, and much more. Be the next Albert Einstein with these cool science experiments. Discover how to bend light, construct a circuit, see sound, build a buzzer, make a rainbow, and even make an underwater volcano! Each science project is explained simply and clearly, with specially commissioned full-colour photography that shows how each project should look, making the experiments even easier to follow. The chapters are arranged thematically and include - Air and Gases, Water and Liquids, Hot and Cold, Light, Colour, Growth, Senses, Sound and Music, Magnets, Electricity, and Motion and Machines. Great Science Experiments is a children's science book that packs fun into experiments while explaining core scientific principles. A child can perform most of the experiments alone, but friends and family can join in and learn about science, too.

101 Great Science Experiments-Neil Ardley 2006 Describes 101 science experiments or activities that can be done with household items and easily found ingredients.

The Everything Kids' Science Experiments Book-Tom Robinson 2001-10-01 Science has never been so easy--or so much fun! With The Everything Kids' Science Experiments Book, all you need to do is gather a few household items and you can recreate dozens of mind-blowing, kid-tested science experiments. High school science teacher Tom Robinson shows you how to expand your scientific horizons--from biology to chemistry to physics to outer space. You'll discover answers to questions like: Is it possible to blow up a balloon without actually blowing into it? What is inside coins? Can a magnet ever be "turned off"? Do toilets always flush in the same direction? Can a swimming pool be cleaned with just the breath of one person? You won't want to wait for a rainy day or your school's science fair to test these cool experiments for yourself!

The Scientific American Book of Great Science Fair Projects-Marc Rosner 2000-11-06 Shows how to perform a variety of science experiments using household materials and low-cost items for activities in astronomy, chemistry, biology, earth science, and physics.

The Science Kit-Christopher Maynard 2011 Contains instructions for more than fifty experiments that children can perform using common items found in the kitchen.-

SUPER Science Experiments: At Home-Elizabeth Snoke Harris 2020-04-07 With more than 80 fun experiments, SUPER Science Experiments: At Home is the ultimate lab book for kids who are stuck at home! This fact- and fun-filled book includes tons of simple, kid-tested science experiments, many of which can be done with items found around the house, and require little-to-no supervision! That’s right—no adult help needed. That means no grownups doing all the fun stuff while you watch. You can do lots of messy, cool, mind-blowing experiments all by yourself! All the supplies you need are probably already in your home. No fancy gadgets or doohickeys needed! Whether you’re making a soap-powered boat, creating indoor rainbows, or performing magic (science!) tricks, this book has something for everyone. Each experiment features safety precautions, materials needed, step-by-step instructions with illustrations, fun facts, and further explorations. With SUPER Science Experiments: At Home, kid scientists like you can: Trick your taste buds Use yeast to blow up balloons Freeze hot water faster than cold water Build a water wheel Make things disappear Create an indoor rainbow And complete many other SUPER science experiments! At once engaging, encouraging, and inspiring, the SUPER Science Experiments series provides budding scientists with go-to, hands-on guides for learning the fundamentals of science and exploring the fascinating world around them. Also in this series, check out: Cool Creations, Build It, and Outdoor Fun. There’s no better boredom-buster than a science experiment. You will learn something and astound and amaze your friends and family. So, what are you waiting for? Get experimenting!

Inventor Lab- 2019-08-06 This DK children's book aged 9-15 is brimming with exciting, educational activities and projects that focus on electronics and technology. Keep your siblings out of your room with a brilliant bedroom buzzer, power a propellor motorboat, build your own phone charger, make a set of speakers, and construct a crane by following step-by-step instructions and using affordable equipment. Inventor Lab will engage budding scientists and engineers as they experiment, invent, trial, and test technology, electronics, and mechanics at home. Simple steps with clear photographs take readers through the stages of each low-cost project, with fact-filled panels to explain the science behind each one, and to fascinate them with real-world examples. With an increasing focus across school curricula on encouraging children to enjoy and explore STEM subjects (science, technology, engineering, and maths), Inventor Lab is the perfect companion for any inquisitive child with an interest in how the worlds of science experiments and technology work, and why.

Cool Science Experiments-Hinkler Books 2014-02-01 Book of experiments that has sections for astronomy, biology, chemistry, geology/geography, physics, and weather.

Smithsonian 10-Minute Science Experiments-Steve Spangler 2020-03 Gives curious young readers dozens of colorful, exciting projects designed to teach them about the basics of science, physics, chemistry and engineering. They'll learn about critical thinking, how to conduct an experiment, and how to measure results, in a screen-free setting.

Safe and Simple Electrical Experiments-Rudolf F. Graf 1973-06 Illustrated directions for experiments with static electricity, magnetism, current electricity, and electromagnetism.

The 101 Coolest Simple Science Experiments-Holly Homer 2016-04-19 Perform Mind-Blowing Science Experiments at Home! You’ll have the time of your life conducting these incredible, wacky and fun experiments with your parents, teachers, babysitters and other adults. You’ll investigate, answer your questions and expand your knowledge using everyday household items. The Quirky Mommas from the wildly popular Kids Activities Blog and authors of the bestselling 101 Kids Activities That Are the Bestest, Funnest Ever! have done it again with this book of ridiculously amazing, simple science experiments. You can do things both indoors and outdoors. The handy mess meter, preparation times and notes on the level of supervision will keep your parents happy, and you safe. Experimenting is really fun, and you will have a blast being a scientist! You will be so entertained, you might not notice you’re also learning important things about the world around you. Some experiments to master: - Balloon-Powered Car - Burst Soap Clou - CD Hovercraft - Creeping Ink - Bendy Bones - Electromagnet - Paper Helicopters - Unbreakable Bubbles Now put on your lab coat and let’s get experimenting!

MythBusters-Samantha Margles 2012 Draws on techniques from the popular Discovery Channel series for science experiments which test common beliefs, providing step-by-step instructions for recreating the results of the MythBusters team.

Super Science Lab Activity Book-Richard Hammond 2009 Packed with easy-to-follow, spectacular experiments, sticker sheets, jokes, quizzes, and astonishing facts, this volume catapults young readers into the role of scientist, explorer, and inventor, and is sure to keep kids occupied for hours. Full color. Consumable.

365 Weird & Wonderful Science Experiments-Elizabeth Snoke Harris 2017-11-07 This fact- and fun-filled book includes hundreds of simple, kid-tested science experiments. All of which can be done with items from around the house, and require little to no supervision! Whether you're making your own slime, rockets, crystals, and hovercrafts or performing magic (science!) tricks and using science to become a secret agent, this book has something for every type of curious kid. Each experiment features safety precautions, materials needed, step-by-step instructions with illustrations, fun facts, and further explorations. With this book, you will: - Create a drinkable rainbow - Make a bowling bowl float - Capture a cloud - Build furniture out of newspapers - Blow bouncing bubbles that don’t burst - Plus 360 other weird and wonderful experiments. At once engaging, encouraging, and inspiring, 365 Weird & Wonderful Science Experiments is every budding scientists go-to, hands-on guide for learning the fundamentals of science and exploring the fascinating world around them.

Candy Experiments-Loralee Leavitt 2013-01-03 Candy is more than a sugary snack. With candy, you can become a scientific detective. You can test candy for secret ingredients, peel the skin off candy corn, or float an “m” from M&M’s. You can spread candy dyes into rainbows, or pour rainbow layers of colored water. You'll learn how to turn candy into crystals, sink marshmallows, float taffy, or send soda spouting skyward. You can even make your own lightning. Candy Experiments teaches kids a new use for their candy. As children try eye-popping experiments, such as growing enormous gummy worms and turning cotton candy into slime, they’ll also be learning science. Best of all, they’ll willingly pour their candy down the drain. Candy Experiments contains 70 science experiments, 29 of which have never been previously published. Chapter themes include secret ingredients, blow it up, sink and float, squash it, and other fun experiments about color, density, and heat. The book is written for children between the ages of 7 and 10, though older and younger ages will enjoy it as well. Each experiment includes basic explanations of the relevant science, such as how cotton candy sucks up water because of capillary action, how Pixy Stix cool water because of an endothermic reaction, and how gummy worms grow enormous because of the water-entangling properties.

Kitchen Science Lab for Kids-Liz Lee Heinecke 2014-08 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.

How to Be a Scientist-Steve Mould 2017-06-01 Discover the skills it takes to become a scientist in DK's new science book for kids with science presenter and comedian Steve Mould. Being a scientist isn't just about wearing a lab coat and performing science experiments in test tubes. It's about looking at the world and trying to figure out how it works. As well as simple science experiments for kids to try, How to Be a Scientist will teach them how to think like a scientist and ask questions including: why doesn't pineapple jelly set, how do you grow your own crystals, and how does a black and white image turn to colour? For every scientific concept the child learns they will be encouraged to find new ways to test it further. Fun questions, science games, and real-life scenarios make science relevant to children. In How to be a Scientist the emphasis is on inspiring kids, which means less time spent in stuffy labs and more time in the real world!

The Super Duper Book of 101 Extraordinary Science Experiments-Haley Fica 2017-11-14 Explore the possibilities of experimentation in your very own kitchen! Over 100 project ideas and endless hours of educational fun. Encourage your little scientist with great experiments and activities even adults won’t know the science behind! These great at-home experiments are simple, safe, and guaranteed endless fun for the whole family. This super duper book even includes delicious recipes for amazing treats! Watch ice cream and sugar rock crystals form before your very eyes. The book walks a child through an introduction of the scientific method and the proper safety measures for experimenting at home, teaching such concepts as simple chemical reactions, states of matter, hydrophilic and hydrophobic interactions, density, and thermodynamics.

Home Lab-Robert Winston 2018-03-01 Children getting bored at home? These twenty-five outdoor science projects and experiments will spark kids' creativity and help them develop science skills through hands-on learning. Projects focus on Earth and the environment, plants and animals, weather, water, and physics, bringing science learning home and into the backyard. Young scientists can build a wormery and learn about compost, crack rocks with water and learn about freezing and thawing, build and launch a water rocket to see Newton's laws in action, and more. Supporting STEAM education initiatives and the Maker Movement, Maker Lab: Outdoors includes 25 interactive projects to inspire kids' creativity and their scientific side, and, as the founder of Maker Faire Dale Dougherty says, "to realize with their hands what they can imagine in their minds." With stunning photography, succinct step-by-step instructions, and detailed explanations, this science book takes kids on a journey of discovery. A must-have for every young scientist curious about their surroundings, and for makers, crafters, and those who enjoy exploring the outdoors.

100 Science Experiments-Georgina Andrews 2015-11-01 An action-packed collection of 100 simple science experiments using easily-sourced materials. Bringing a fresh and exciting approach to the practical world of science, it combines creative arts and crafts activities with the basics of physics, chemistry and biology.

The Slime Book-DK 2017-12-05 Over 30 delightfully gloopy, gooey, colorful DIY recipes will mesmerize youngsters by showing them how to make slime. Play, poke, push, pull, and pop fabulous easy-to-follow slime recipes. They are all tried and tested by our slime experts, so you don't have to search the vast digital plains for the perfect recipe. Create monster slime with googly eyes, bite into some yummy edible chocolate slime, and see the rainbow with unicorn slime. All projects in this kid's book are shown with clear step-by-step images and a vibrant image of the final product in all its slimy glory! Learn the science behind these slime creations with amazing fun facts and carry on the fun with recipe variations. The latest in addictive kids' activities, making your slime is the ultimate sticky and squidgy fun. All slime recipes are borax-free, and with online recipes varying so drastically, it's nice to know that your slime-y masterpieces will come out perfect on the first try. Making slime is currently one of the most popular trends for children, with some homemade slime videos reaching 30-million views. With 30 recipes, The Slime Book includes more variations than any slime book available, and all recipes use safe and readily available ingredients. Science information boxes add an educational element to the book without detracting from the fun. Ideal for children ages 5-9 who are new to the slime trend or who are already obsessed with slime and looking for new, funky recipes. Get Ready To Slime! From basic slime to edible, textured, glow-in-the-dark, and color-changing slime - there's something for everyone! Kids will be mesmerized and "slimerized" by the book's gloopy, gooey, colorful slime recipes. Create a volcanic slime eruption, gross-out your friends with snot slime, and tuck into tasty chocolatey slime. Simple step-by-steps and vibrant photographs show how to create awesome slime, every time. Each recipe uses safe, readily available ingredients, so you can start pulling and poking straight away. Get ready to become slime extraordinaire, making: - Glitter slime - Pompom slime - Alphabet slime - Glow in the dark slime - Magnetic slime - Dinosaurs in Amber slime and much more! This book was such a hit that DK released a second "slimetastic" title! Try Super Slime next, packed with another 30 innovative recipes your little ones will love to try!

My Big Book of Science-Susan Akass 2019-07-09 A bumper book of over 60 projects and experiments to inspire and challenge budding young scientists. Science isn’t just for the classroom. My Big Book of Science is packed with projects that can be done safely at home, encouraging children to experiment, have fun, and learn at the same time. They can become a chemical wizard by making liquids magically change color and dazzle their friends with home-made glow-in-the dark slime, and get to grips with fabulous physics by learning to defy the laws of gravity and master electrical circuits. With brilliant biology projects, they will get to know their own body inside out, and even learn how to make fake poo and snot! None of the projects require specialist equipment: just a few basic items and enthusiasm and a willingness to learn. With My Big Book of Science rainy day afternoons just became a whole lot more fun!

Awesome Physics Experiments for Kids-Erica L. Colón 2019-03-12 Kids discover how cool physics is with 40 fun and engaging experiments created by board-certified science teacher Dr. Col--n that offer a hands-on approach to learning about concepts like force, electricity, heat, and sound. Simple, step-by-step instructions let kids do their own experimentation. Full color.

Outdoor Maker Lab-Robert Winston 2018-03-01 Experience the great outdoors as never before with the most exciting experiments on Earth. This fun-packed, fact-filled book sees you out and about putting into practice 25 sensational scientific experiments. Get out of the house and explore the science in your own surroundings as you use everyday household items in mind-blowing ways to build up your knowledge of biology, chemistry, and physics. Launch a water rocket to learn about air pressure or blow giant bubbles to reveal how surface tension works. Build your own wormery to watch the way worms tunnel underground or fly your own diamond kite to understand aerodynamics in action. A fascinating foreword by science superstar Robert Winston ensures the readers are excited and enthusiastic from the start. Stunning specially commissioned photography results in a visual feast, together with step-by-step text, how it works explanations, scientific principles in action, and real-world examples. Whether you want to impress your friends, create a cool school project, or become a budding scientist of tomorrow, pick this book up and get started.

101 Science Experiments-Ivar Utial 2004-12

Awesome Science Experiments for Kids-Crystal Ward Chatterton 2018-02-13 "Getting kids excited about science can be difficult. Science Experiments for Kids provides young scientists ages 5-10 with hands-on experiments that teach them how to apply the scientific method. From the home laboratory of former chemistry teacher and blogger behind the Science Kiddo, Crystal Chatterton combines fun experiments with the hows and whys behind them in Science Experiments for Kids"--

SUPER Science Experiments: Build It-Elizabeth Snoke Harris 2020-04-07 With more than 80 fun experiments, SUPER Science Experiments: Build It is the ultimate lab book for kids who want to build cool stuff! This fact- and fun-filled book includes tons of simple, kid-tested science experiments, many of which can be done with items from around the house, and require little-to-no supervision! That’s right—no adult help needed. That means no grownups doing all the fun stuff while you watch. You can do lots of messy, cool, mind-blowing experiments all by yourself! All the supplies you need are probably already in your home. No fancy gadgets or doohickeys needed! Whether you want to build your own catapult, lava lamp, rocket, or even a light bulb, this book has something for everyone. Each experiment features safety precautions, materials needed, step-by-step instructions with illustrations, fun facts, and further explorations. With SUPER Science Experiments: Build It, kid scientists like you can: Make a chair with newspapers Erupt a ketchup volcano Send a rocket into the air with the stomp of your foot See which direction you’re facing with a homemade compass Race little cars made from toilet paper tubes Build an electromagnetic motor And complete many other SUPER science experiments! At once engaging, encouraging, and inspiring, the SUPER Science Experiments series provides budding scientists with go-to, hands-on guides for learning the fundamentals of science and exploring the fascinating world around them. Also in this series, check out: Cool Creations, At Home, and Outdoor Fun. There’s no better boredom-buster than a science experiment. You will learn something and astound and amaze your friends and family. So, what are you waiting for? Get experimenting!

100 Science Experiments with Paper-Steven W. Moje 1999-08 Describes how to perform 100 experiments with paper and other materials easily found in the home, exploring such topics as air, chemistry, electricity, magnetism, heat, light, inertia, sound, and water.

365 Science Experiments-Glen Singleton 2010-07-05 Do you know how to make your own explosive volcano? Or how rainbows are made? Explore the world of science and learn about Earth and the solar system through hundreds of experiments that will challenge and entertain you. With 365 Science Experiments, youll be amazed at how much you learn while having so much fun!

Dictionary of Science-Neil Ardley 2000-06 A cross-referenced volume provides concise definitions of more than two thousand words and concepts while offering examples of how each word is used in context, enabling young readers to become familiar with the fundamental principles of science

Technology, Gadgets and Inventions That You Can Make - Experiments Book for Teens | Children's Science Experiment Books-Baby Professor 2018-05-15 Yes, you can be an inventor too. But unlike real inventors that create inventions out of scratch, you will practice with set experiments. Follow the instructions listed in this book down to the T to create replicas of gadget, technology and inventions. Share the book with a friend and build projects together. Grab a copy today.

Science Lab-Robert Winston 2019-02-07 From building a bridge and crafting a catapult to making a marble run and creating a crane, Science Lab includes activities that young readers can do at home to explore, discover, and understand the way the world works. How are rockets fired into space? How is energy harnessed? How do buildings survive earthquakes? With fun, hands-on projects and experiments, this book reveals how science, technology, engineering, and maths are woven through the world around us. Simple steps guide readers through the stages of each project, with spotlights on the key science, technology, engineering, and maths learning involved in each project along the way. "Take it further" panels encourage young readers to experiment and take their projects to the next level, developing their independence, initiative, and creative thinking skills. With a focus on STEM subjects (science, technology, engineering, and maths) across school curricula to prepare children for the modern world, Science Lab will inspire and engage inquisitive young readers. It's perfect for school projects, homework help, and firing up imaginations.

Train Your Brain to be a Genius-DK 2013-10-17 The big book of brain-training. Discover hints and tips and find out about geniuses who have come before you with Train Your Brain to be a Genius Do you want to help your child train their brain so they can calculate like Einstein, paint like Picasso, or compose like Mozart? Then put their grey matter to the brain-training test and see how they measure up to some of the greatest thinkers in history with Train Your Brain to be a Genius, now in paperback. Train Your Brain to be a Genius will help them get into practice with a series of brain-boggling puzzles, games and optical illusions that'll sharpen wits and fine-tune their brains. They'll discover what makes their brain work: from why they smile to what is going on inside their heads. Help your child use their eyes, ears and imagination to explore the incredible potential of the mind: it's brain training worth thinking about.

Science Experiments- 2016

The Book of Potentially Catastrophic Science-Sean Connolly 2017-03-07 It’s never been more important to engage a child's scientific curiosity, and Sean Connolly knows just how to do it—with lively, hands-on, seemingly "dangerous" experiments that pop, ooze, crash, and teach! Now, the author of The Book of Totally Irresponsible Science, takes it one step further: He leads kids through the history of science, and then creates amazing yet simple experiments that demonstrate key scientific principles. Tame fire just like a Neanderthal with the Fahrenheit 451 experiment. Round up all your friends and track the spread of "disease" using body glitter with an experiment inspired by Edward Jenner, the vaccination pioneer who's credited with saving more lives than any other person in history. Rediscover the wheel and axle with the ancient Sumerians, and perform an astounding experiment demonstrating the theory of angular momentum. Build a simple telescope—just like Galileo's—and find the four moons he discovered orbiting Jupiter (an act that helped land him in prison). Take a less potentially catastrophic approach to electricity than Ben Franklin did with the Lightning Mouth experiment. Re-create the Hadron Collider in a microwave with marshmallows, calculator, and a ruler—it won't jeopardize Earth with a simulated Big Bang, but will demonstrate the speed of light. And it's tasty! By letting kids stand on the shoulders of Aristotle, Newton, Einstein, the Wright brothers, Marie Curie, Darwin, Watson and Crick, and more, The Book of Potentially Catastrophic Science is an uncommonly engaging guide to science, and the great stories of the men and women behind the science.

TIME For Kids Big Book of Science Experiments-Editors of Time for Kids Magazine 2011-12-06 Presents more than one hundred home science experiments that answer such questions as "Why does bread rise?," "What is mold?," and "How are fingerprints formed?"

Look I'm a Scientist-DK 2017-06-06 An activity ebook that will help little ones discover everyday science as they play their way through 14 exciting home science experiments! Full of hands-on activities that will tap straight into your child's natural scientific curiosity. The experiments are easy to follow and use items that most people already have tucked away at home. Look I'm A Scientist is the most incredible introduction to science for kids. From an iceberg animal rescue to stretchy slime and a science wizard potion. Kids can pour it, mix it, feel it, and more, as each sensory-friendly activity becomes an ever-so-exciting science experiment. The 14 activities in this educational ebook are easy to prepare, set up, and create. A step-by-step visual guide and a charming design make it the perfect STEM activity ebook for parents and their little ones to explore together. Each activity is designed to let your child play and learn with all their senses. Together you can grow their love of science and their understanding of the world. Little scientists will discover fun facts like why water goes stiff in the freezer, what makes slime super stretchy, how to make the best soap bubbles, and lots more. With Look I'm A Scientist children can touch, smell, see, hear, and taste their way to scientific amazement. And remember, making a mess is part of the fun and learning! Find Out Why, What, And How! You were born with everything you need to be an extraordinary scientist - a fantastic brain and super senses. Get ready to touch, smell, see, hear, and taste your way to scientific discovery. Being a little scientist has never been so much fun! Full of amazing science experiments for kids like: - Homemade playdough - Ooey gooey slime - A bubble volcano - And much, much more! DK's Look! I'm Learning series of exciting and educational STEM ebooks, focus on the sensory experience of practical learning and play, and find the science in everyday activities. Hands-on learning experiences tap straight into kids' insatiable curiosity and sense of wonder. These ebooks for children are perfect for ages 3-6, formatted with a padded cover and toddler-tough pages. The series encourages children to develop independence and improves their critical thinking, investigation skills, and motor skills. Try the other titles in the series next, including Look I'm A Cook, Look I'm A Mathematician, and Look I'm An Engineer.

Maker Lab-Jack Challoner 2018-03-01 This award-winning science book is bubbling over with entertaining and educational experiments for budding scientists to follow at home or in the classroom. Build a soap-powered sailboat, recreate the Solar System out of rubber bands, construct your own colorful kaleidoscope, or make mouthwatering monster marshmallows. Explore the whole range of imaginative activities offered. A foreword by Jack Andraka, a teen award-winning inventor, sets the tone for this spectacular book. Try your hand at 28 different science projects, using simple instructions, everyday ingredients, and stunning photography to guide you from start to finish. Plus fact-filled panels explain the science behind each and every experiment, while contemporary examples give a clear context to better understand important scientific principles. Grab your goggles, put on your lab coat, and let's get started!

Janice VanCleave's Big Book of Play and Find Out Science Projects-Janice VanCleave 2007-03-30 Introduce young children to the wonders of science Using this book as a guide, you and your favorite budding scientist can have fun exploring the world while you help your child learn about science and develop important science process skills. You may think it's hard to get young children interested in science, but just watch their eyes light up when they make bouncy blubber or play clay, or when you venture out together in the backyard or local park for a bug-collecting expedition. These are the kind of everyday explorations that give kids a great foundation for a lifetime of science learning. In this terrific collection of fun, kid-tested science activities, bestselling children's science writer and former teacher Janice VanCleave has combined her favorite science activities for young people into one jumbo-sized book that you and your children will love. Janice VanCleave's Big Book of Play and Find Out Science Projects includes over 50 easy-to-do activities and is divided into four parts: PHYSICAL SCIENCE: Encourage kids to get physical with science with questions such as: How does a compass work? Why do I have to wear a seat belt? Why can't I catch a rainbow? Why does my hair stick to a comb? NATURE: Help children answer questions naturally including: Why do cats' eyes glow in the dark? How do fish move up and down in the water? Why do plants move toward the sun? Can squirrels really fly? BUGS: Challenge the science bug in kids with questions such as: Why do fireflies light up? How do butterflies drink? Where do spiders come from? Why are walkingsticks hard to find? HUMAN BODY: Capture children's imaginations about the whole body of science with questions like these: Why do I have hair on my body? How does my heart sound? Why do foods taste different? Why are my bones hard?

STEM Lab-Jack Challoner 2019-01-29 From racing wind up cars to making music with a homemade guitar, STEM Lab will excite and inspire curious young minds. STEM Lab is packed with 25 exciting STEM activities, perfect for firing up kids' imaginations. Explore and discover beautifully illustrated science activities with an easy to follow guide that will explain how science, technology, engineering and math shape the world around us. A perfect balance between education and fun, STEM Lab teaches young readers through each experiment, describing the science behind it and providing engaging STEM facts. The richly illustrated activities promote further thinking by suggested "Test and Tweak" notes. Encourage young readers to take their projects to the next level, while furthering their understanding of the science behind it. Each activity has its own 'How It Works" section covering STEM principles to help young minds understand answers to their science curiosity, exercising

cognitive thinking and problem-solving skills. Learn The Science Behind 25 Amazing Projects Science activities for kids that can be done at home. Leap into the exciting world of STEM where Science, Technology, Engineering and Math combine in 25 fun and easy-to-do projects. STEM Lab teaches young readers how to make impressive insulating gloves, stunning spaghetti towers, amazing automations, and explores many more educational activities. STEM subjects are a crucial part of a child's education. STEM Lab helps kids to practice STEM principles in a fun and engaging manner, while exercising motor skills and cognitive thinking. The four subject areas this book is based on are interrelated, and by combining them new insights, ideas and solutions to problems emerge. STEM Lab will teach you the principles of engineering and the science behind it. This STEM filled activity book is organised into four sections: - Forces and Motion - Liquids and Reactions - Shapes and Structures - Light and Sound STEM Lab combines fun and learning with hand-on activities that engages STEM principles.