

Computer Programming For Kids With Scratch

What about a book that would make your kid (or you) engage, have fun, and learn at the same time? Would you like your kid to have a secure career path? Is your kid (or you) already interested in computer programming or just loves to use a computer for some free time activities? If you answered "Yes" to at least one of these questions, then keep reading... **LEARNING PROGRAMMING HAS NEVER BEEN EASIER!** It is not a secret that the world is leading more and more towards science and technology, and the demand for IT and computer programming professionals are higher than ever before! And, of course, there are so many tools out there you can use to sparkle your kid's talents and needs early on! And one of the best options I know of is computer programming – one of the highest in-demand skills every kid should learn, especially the ones who love to spend hours in front of PC or Mac screen. And trust me, it doesn't have to be boring! Inside this 2 Books in 1 you will find: **BOOK #1: Python For Kids** One of the most popular and widely used programming languages around the world! And it is not as difficult as it may sound! If presented correctly, even Your Kids Can Easily Learn It! As young as 7 or 8 years old, sometimes even younger! Inside this book, you'll find a perfect introduction to Python Programming that will make your kid excited every time he or she sits down in front of the computer. The best way to start – Python Programming for beginners Master the fastest way to create outstanding graphic images What are the most important functions of Python Language, and how to master them fast? Game programming – probably the most fascinating chapter! Endless project ideas to begin today that will keep beginners engaged for hours How avoid errors? Every upcoming Python Programmer should read this chapter! Much much more... **BOOK #2: Scratch Coding For Kids** You'll discover a guide of arguably the best programming languages for children, specifically designed for kids who want to get their foot in the programming world! The easiest way to get started with Scratch – Scratch Programming for Beginners Master fundamentals – you can't skip this important chapter! Everything kids need to know before starting their first successful project How to create a plan for your future programming project? Is Scratch just a game coding platform? Find out about other areas your kid could use it for! What game should you choose – day and night game options More Advanced Concepts about coding with Scratch Much much more... And keep in mind that with this book, you don't need to have any previous coding or programming experience. Whether it is going to be a gift for your kid or you want to master coding yourself, this book will definitely help you build a strong foundation for this huge career opportunity! So don't wait, scroll up, click on "Buy Now" and Begin This Fascinating Learning Journey!

The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.

Presents a guide for beginners on the fundamentals of computer programming using the Python language.

Comics! Games! Programming! Now updated to cover Scratch 3. Scratch is the wildly popular educational programming language used by millions of first-time learners in classrooms and homes worldwide. By dragging together colorful blocks of code, kids can learn computer programming concepts and make cool games and animations. The latest version, Scratch 3, features an updated interface, new sprites and programming blocks, and extensions that let you program things like the micro:bit. In Super Scratch Programming Adventure!, kids learn programming fundamentals as they make their very own playable video games. They'll create projects inspired by classic arcade games that can be programmed (and played!) in an afternoon. Patient, step-by-step explanations of the code and fun programming challenges will have kids creating their own games in no time. This full-color comic book makes programming concepts like variables, flow control, and subroutines effortless to absorb. Packed with ideas for games that kids will be proud to show off, Super Scratch Programming Adventure! is the perfect first step for the budding programmer. Covers Scratch 3

Beyond Coding

Help Your Kids with Computer Coding

Girls Who Code

Computer Programming for Kids

Introduction to Computer Programming

Coding Games in Scratch

An introduction to computer engineering for babies. Learn basic logic gates with hands on examples of buttons and an output LED.

"Code is the 21st century literacy and the need for people to speak the ABCs of Programming is imminent." --Linda Liukas Meet Ruby--a small girl with a huge imagination. In Ruby's world anything is possible if you put your mind to it. When her dad asks her to find five hidden gems Ruby is determined to solve the puzzle with the help of her new friends, including the Wise Snow Leopard, the Friendly Foxes, and the Messy Robots. As Ruby stomps around her world kids will be introduced to the basic concepts behind coding and programming through storytelling. Learn how to break big problems into small problems, repeat tasks, look for patterns, create step-by-step plans, and think outside the box. With hands-on activities included in every chapter, future coders will be thrilled to put their own imaginations to work.

A cool coding book!just for kids! When your kid is ready to add coding to their creativity toolbox but you're not ready to ship them off to coding camp, Getting Started with Coding is here to help them get started with the basics of coding. It walks young readers through fun projects that were tested in the classroom. Each project has an end-goal to instill confidence and a sense of achievement in young coders. Steering clear of jargon and confusing terminology, Getting Started with Coding is written in a language your child can understand. Plus, the full-color design is heavy on eye-catching graphics and the format is focused on the steps to completing a project, making it approachable for any youngster with an interest in exploring the wonderful world of coding. So why send your kid to a camp when they can become a coding champ!right in the comfort of your living room? Introduces the basics of coding to create a drawing tool Teaches how to create graphics and apply code to make them do things Shows how to make things that respond to motion and collision commands Introduces score-keeping and timing into coding If your child is a burgeoning techy with a desire to learn coding, Getting Started with Coding is the perfect place to start.

Why children should be taught coding not as a technical skill but as a new literacy—a way to express themselves and engage with the world. Today, schools are introducing STEM education and robotics to children in ever-lower grades. In Beyond Coding, Marina Umaschi Bers lays out a pedagogical roadmap for teaching code that encompasses the cultivation of character along with technical knowledge and skills. Presenting code as a universal language, she shows how children discover new ways of thinking, relating, and behaving through creative coding activities. Today's children will undoubtedly have the technical knowledge to change the world. But cultivating strength of character, socioeconomic maturity, and a moral compass alongside that knowledge, says Bers, is crucial. Bers, a leading proponent of teaching computational thinking and coding as early as preschool and kindergarten, presents examples of children and teachers using the Scratch Jr. and Kibo robotics platforms to make explicit some of the positive values implicit in the process of learning computer science. If we are to do right by our children, our approach to coding must incorporate the elements of a moral education: the use of narrative to explore identity and values, the development of logical thinking to think critically and solve technical and ethical problems, and experiences in the community to enable personal relationships. Through learning the language of programming, says Bers, it is possible for diverse cultural and religious groups to find points of connection, put assumptions and stereotypes behind them, and work together toward a common goal.

How Children Learn Human Values through Programming

Coding for Kids: Programming for Beginners: How to Learn: Coding Skills, Create a Game, Programming in Python and Working with Popular

A Step-by-Step Visual Guide to Building Your Own Computer Games

Super Scratch Programming Adventure! (Scratch 3)

Fun Ways to Learn Computer Programming

Help Your Kids with Computer Science (Key Stages 1-5)

Computer Coding for KidsA unique step-by-step visual guide, from binary code to building gamesDorling Kindersley Ltd

Kids can take their first steps towards becoming expert computer programmers with this fully-updated guide to coding for beginners. They'll master Scratch 3.0, the brand-new version of the world's most popular coding language for beginners. This will let them discover what makes a computer work while learning how to build their own computer programs and games. Once they're Scratch experts, it's onto the more complex Python programming language to delve even deeper into the technology that surrounds us every day. Computer Coding for Kids uses a simple, visual layout to guide budding programmers step by step through the ins and outs of computer code, from algorithms to variables, even showing them how to find and fix bugs in their code. Before you know it, they'll be creating their own programs from scratch. It doesn't stop there, though. If Scratch and Python have got them hooked, there's a peek at binary and JavaScript to show them where their coding career could be heading next. This book also lifts the lid on computers and shows young readers the chips and processors that make technology come to life. Fully illustrated with funny and informative graphics, Computer Coding for Kids makes even the most difficult aspects of coding fun and easy to understand.

Do you want to learn more about Popular Programming Languages? If yes, then keep reading! Teaching your children computer programming from such a young age will not only increase their general intelligence, but it is also the foundation that can and will build a career on. Everywhere in the world, there's a huge demand for individuals who know how to code. In fact, in a recent online survey, it was found that the most lucrative skill in the world, at this moment, is computer programming, and there are thousands of people who want to learn how to code every day. This book covers the following topics: What Is a Programming Language and Popular Programming Languages Execution and Statement about a Program Functions, Input, Output Web Programming Object-Oriented Programming Comparing Deep Learning and Machine Learning ...And so much more! If you've been following, you can see how important it is for your child to start learning how to code. While learning a programming language, the child is starting a skill that very few individuals from his/her age group will have. For this reason, the child will stand out amongst his or her peers. By starting to code from such a young age, your child may develop a passion for coding, and this sets them up for a career and employment that they will enjoy at the same time.

Don't just play computer games - help children build them with your own home computer! Calling all coders, this is a straightforward, visual guide to helping kids understand the basics of computer coding using Scratch and Python coding languages. Essential coding concepts like scripts, variables, and strings are explained using build-along projects and games. Kids can create online games to play like Monkey Mayhem and Bubble Blaster, draw mazes and shapes, build animations, and more using the step-by-step examples to follow and customize. Seven projects let kids (and their parents) practice the skills as they are learning in each section of the book. Kids get instant results, even when completely new to coding. Packed with visual examples, expert tips, a glossary of key terms, and extras such as profiles of famous coders, Help Your Kids with Computer Coding lays a hands-on foundation for computer programming, so adults and kids can learn together. Supporting STEM education initiatives, computer coding teaches kids how to think creatively, work collaboratively, and reason systematically, and is quickly becoming a necessary and sought-after skill. DK's computer coding books are full of fun exercises with step-by-step guidance, making them the perfect introductory tools for building vital skills in computer programming. User note: At home, all you need is a desktop or laptop with Adobe 10.2 or later, and an internet connection to download Scratch 2.0 and Python 3. Coding with Scratch can be done without download on https://scratch.mit.edu. Series Overview: DK's bestselling Help Your Kids With series contains crystal-clear visual breakdowns of important subjects. Simple graphics and jargon-free text are key to making this series a user-friendly resource for frustrated parents who want to help their children get the most out of school.

A Step-By-Step Guide to Creating Your Own Python Projects

A Beginners Guide to Computer Programming for Kids

How to Code a Sandcastle

Coding for Kids

A Parent-Friendly Guide to Python Programming

Baby Steps: Intro to Computer Engineering

Do you want to learn more about Popular Programming Languages? If yes, then keep reading! Teaching your children computer programming from such a young age will not only increase their general intelligence, but it is also the foundation that can and will build a career on. Everywhere in the world, there's a huge demand for individuals who know how to code. In fact, in a recent online survey, it was found that the most lucrative skill in the world, at this moment, is computer programming, and there are thousands of people who want to learn how to code every day. This book covers the following topics: What Is a Programming Language and Popular Programming Languages Execution and Statement about a Program Functions, Input, Output Web Programming Object-Oriented Programming Comparing Deep Learning and Machine Learning ...And so much more! If you've been following, you can see how important it is for your child to start learning how to code. While learning a programming language, the child is starting a skill that very few individuals from his/her age group will have. For this reason, the child will stand out amongst his or her peers. By starting to code from such a young age, your child may develop a passion for coding, and this sets them up for a career and employment that they will enjoy at the same time. Ready to get started? Click the BUY NOW button!

Kids can take their first steps toward becoming expert computer programmers with this fully updated guide to coding for beginners. Scratch and Python programming soon become child's play, thanks to vibrant visuals, simple steps, and easy explanations. Whether you're an absolute beginner wanting to try your hand at basic programming or already a computer whizz looking to develop further, this one is for you. It starts from Scratch, showing how the programming language works and explaining universal coding concepts. Soon you'll be following numbered steps to create exciting games for you and your friends to play. Next you'll pass on to Python, building on the basics learned in Scratch to develop and adapt new games in more detail. With more than 250,000 copies sold worldwide, Computer Coding for Kids is the number one resource for clever kids keen to crack coding.

Teach Your Kids to Code is a parent's and teacher's guide to teaching kids basic programming and problem solving using Python, the powerful language used in college courses and by tech companies like Google and IBM. Step-by-step explanations will have kids learning computational thinking right away, while visual and game-oriented examples hold their attention. Friendly introductions to fundamental programming concepts such as variables, loops, and functions will help even the youngest programmers build the skills they need to make their own cool games and applications. Whether you've been coding for years or have never programmed anything at all, Teach Your Kids to Code will help you show your young programmer how to: –Explore geometry by drawing colorful shapes with Turtle graphics –Write programs to encode and decode messages, play Rock-Paper-Scissors, and calculate how tall someone is in Ping-Pong balls –Create fun, playable games like War, Yahtzee, and Pong –Add interactivity, animation, and sound to their apps Teach Your Kids to Code is the perfect companion to any introductory programming class or after-school meet-up, or simply your educational efforts at home. Spend some fun, productive afternoons at the computer with your kids—you can all learn something!

Computer Coding Python for Kids has all you need to master Python - one of the world's most popular computer programming languages. Python is easier than other professional coding languages yet no less powerful. Computer Coding Python for Kids uses a hands-on approach to show it how works, with step-by-step projects that build knowledge gradually, from simple functions to building a space treasure game, kids will not only learn essential coding skills but have fun as they learn. Plus there are tips to personalise and adapt each project to encourage creative thinking. Just by following the steps and kids will be building crazy games and handy apps in no time.

Coding Concepts for Kids

Hello World!

Get Coding with Logic

Coding for Kids - Python

Python for Kids

An Easy Step-by-Step Guide for Beginners to Learn Programming and Coding Skills

Provides parents with step-by-step instructions for helping children learn the basics of computer programming, with simple projects and exercises and information about coding in Scratch and Python.

Teach kids as young as 5 years old the basic programming skills necessary to code, including sequencing and loops, without a computer. It's never too early to learn computer coding. My First Coding Book is a playful introduction to offline coding and programming that will give young children a head start. Filled with puzzles, mazes, and games to teach the basic concepts of sequences, algorithms, and debugging, this book will help children develop critical thinking, logic, and other skills to cement lifelong computer literacy, which is extremely valuable and sought-after in today's world. With its unique approach and colorful and creative imagery, My First Coding Book makes learning and fun one and the same and will have children playing their way to programming proficiency. Supporting STEM education initiatives, computer coding teaches kids how to think creatively, work collaboratively, and reason systematically, and is quickly becoming a necessary and sought-after skill. DK's computer coding books are full of fun exercises with step-by-step guidance, making them the perfect introductory tools for building vital skills in computer programming.

Your kids will be building computer games and learning code in no-time with Coding Computer Games for Kids. Kids can enter the world of programming in this illustrated ebook: packed with step-by-step explanations showing kids how to build all types of games, from puzzles and racers to 3D action games. The perfect way to introduce a reluctant child to coding, Coding Computer Games for Kids shows kids how to have fun with Scratch by creating games. Simple instructions and graphics breakdown coding with Scratch so kids learn all the code they need to build, play and share their favourite games with friends.

Coding for kids without a computer--an offline skill-building book for ages 5 to 7 Coding helps kids develop analytical thinking, problem-solving abilities, and beyond! In this exciting guide to coding for kids, your child will discover the core concepts of coding through colorful games and activities--without using a computer. These fun challenges can be done right inside the book or with everyday objects to help kids practice the same skills coders use, like writing clear instructions, recognizing patterns, and working efficiently. There's even a place for your beginner to invent their own codes! This coding for kids book features: Coding fundamentals--Practice algorithms, loops, conditionals, optimization, debugging, and variables with games that help kids think like a computer programmer. Meet the coder crew--Explore coding for kids with a whole cast of characters, including Al the helper, Pixel the creative expert, Lo the problem-solver, Bug the pattern-spotter, and their robot dog Spot the Bot! On and off the page--Sharpen skills with fun on-the-page puzzles and off-the-page activities that give kids a chance to practice in different ways. Set your little ones up for success with coding for kids that only requires a pencil, paper, and their imagination.

Computer Programming for Kids and Other Beginners

Getting Started with Coding

Coding For Kids For Dummies

Computer Coding Games for Kids
Computer Coding Python Projects for Kids
What Is Coding?

****55% OFF FOR BOOKSTORES! DISCOUNTED RETAIL PRICE NOW AT \$19.78 INSTEAD OF \$43.95**** Are you interested in coding, but you don't know where to start? This book is entitled Coding for Kids, but adults can also use it if they are working on the matter for the first time. Coding can help children to understand the technical world that is all around them. They can understand the internet, smart TVs, and smartphones they can't seem to put down. By understanding how things work, they can also begin to get inspired and think of their own ideas. This book covers the following topics: What Is Coding (Introduction) Programming Languages and Ides What Programming Language Should You Learn? OOP (Object-Oriented Programming) Preparing Yourself for Coding The Future of Machine Learning .. And so much more! One of the best things about coding for kids is that the more widespread computer-use becomes, the more areas of life that are touched by coding. This means that no matter what you are interested in, coding can play a role. For example, if you like music, there are many applications of coding in the music industry. Coding is even used in sports, where coaches are using it to help their teams perform better. It seems like no matter what, coding is being used in any area of life that you find interesting and fun. When you can do computer programming that is applied to something that you find interesting, you are going to realize that you enjoy coding and will have so much fun by doing your work.

Python is a powerful, expressive programming language that 's easy to learn and fun to use! But books about learning to program in Python can be kind of dull, gray, and boring, and that 's no fun for anyone. Python for Kids brings Python to life and brings you (and your parents) into the world of programming. The ever-patient Jason R. Briggs will guide you through the basics as you experiment with unique (and often hilarious) example programs that feature ravenous monsters, secret agents, thieving ravens, and more. New terms are defined; code is colored, dissected, and explained; and quirky, full-color illustrations keep things on the lighter side. Chapters end with programming puzzles designed to stretch your brain and strengthen your understanding. By the end of the book you ' ll have programmed two complete games: a clone of the famous Pong and "Mr. Stick Man Races for the Exit"—a platform game with jumps, animation, and much more. As you strike out on your programming adventure, you ' ll learn how to: –Use fundamental data structures like lists, tuples, and maps –Organize and reuse your code with functions and modules –Use control structures like loops and conditional statements –Draw shapes and patterns with Python ' s turtle module –Create games, animations, and other graphical wonders with tkinter Why should serious adults have all the fun? Python for Kids is your ticket into the amazing world of computer programming. For kids ages 10+ (and their parents) The code in this book runs on almost anything: Windows, Mac, Linux, even an OLPC laptop or Raspberry Pi! Learn how to code in Python by building and playing your own computer games, from mind-bending brainteasers to crazy action games with explosive sound effects and 3D graphics. Whether you're a seasoned programmer or a beginner hoping to learn Python, you'll find Computer Coding Python Games for Kidsfun to read and easy to follow. Each chapter shows how to construct a complete working game in simple numbered steps. Using freely available resources, such as PyGame Zero and Blender, you can add animations, music, scrolling backgrounds, 3D scenery, and other exciting professional touches. After building the game, find out how to adapt it to create your own personalised version with secret hacks and cheat codes! Along the way, you'll master the key concepts that programmers need to write code - not just in Python but in all programming languages. Find out what bugs, loops, flags, strings, tuples, toggles, and turtles are. Learn how to plan and design the ultimate game - and then play it to destruction as you test and debug it. Before you know it, you'll be a coding genius!

From coding languages and hardware to cyberbullying and gaming, this comprehensive homework helper for kids and parents covers the essentials of computer science. This unique visual study guide examines the technical aspects of computers, such as how they function, the latest digital devices and software, and how the Internet works. It also builds the confidence of parents and kids when facing challenges such as staying safe online, digital etiquette, and how to navigate the potential pitfalls of social media. Jargon-free language helps to explain difficult and potentially dread-inducing homework such as hacking, "big data" and malware, while colorful graphics help makes learning about the world of computer science exciting. Whether at home or school, this clear and helpful guide to computer science is the tool you need to be able to support students with confidence. Series Overview: DK's bestselling Help Your Kids With series contains crystal-clear visual breakdowns of important subjects. Simple graphics and jargon-free text are key to making this series a user-friendly resource for frustrated parents who want to help their children get the most out of school.

Computer Coding Python Games for Kids

Kids Can Code!

Automate the Boring Stuff with Python, 2nd Edition

Computer Coding for Kids

Coding Projects in Scratch

A Playful Introduction To Programming

Scratch 3.0 has landed! Stay ahead of the curve with this fully updated guide for beginner coders. Coding is not only a highly sought-after skill in our digital world, but it also teaches kids valuable skills for life after school. This book teaches important strategies for solving problems, designing projects, and communicating ideas, all while creating games to play with their friends. Children will enjoy the step-by-step visual approach that makes even the most difficult coding concepts easy to master. They will discover the fundamentals of computer programming and learn to code through a blend of coding theory and the practical task of building computer games themselves. The reason coding theory is taught through practical tasks is so that young programmers don't just learn how computer code works - they learn why it's done that way. With Coding Games in Scratch, kids can build single and multiplayer platform games, create puzzles and memory games, race through mazes, add animation, and more. It also supports STEM education initiatives and the maker movement. Follow Simple Steps - Improve Your Skills - Share Your Games! If you like playing computer games, why not create your own? Essential coding concepts are explained using eight build-along game projects. Coding Games In Scratch guides young coders step-by-step, using visual samples, easy-to-follow instructions, and fun pixel art. This coding book for kids has everything you need to build amazing Scratch 3.0 games, including thrilling racing challenges, zany platform games, and fiendish puzzles. Follow the simple steps to become an expert coder using the latest version of the popular programming language Scratch 3.0 in this new edition. Improve your coding skills and create your own games before remixing and customizing them. Share your games online and challenge friends and family to beat each other's scores! In this book, you will: - Learn about setting the scene, what makes a good game and playability - Discover objects, rules, and goals - Explore hacks and tweaks, camera angles, fine-tuning and controls - And much more Computer coding teaches kids how to think creatively, work collaboratively, and reason systematically, and is quickly becoming a necessary and sought-after skill. DK's computer coding books for kids are full of fun exercises with step-by-step guidance, making them the perfect introductory tools for building vital skills in computer programming. Add Coding Projects in Scratch and Coding Projects in Python to your collection.

You can create your own computer games and programs! No experience needed. Anyone can learn to program computers! This fun guide will show you everything you need to know to: tell a computer what to do; make sounds and music; create moving pictures; save and load; programs; build fun games you can play! Includes seven complete games. Requires free "Mini Micro" software available for Windows, MacOS, and Linux.

"DK Workbooks: Computer Coding" teaches children the basics of computer coding.

A simple visual guide to get kids computer coding in no timeComputer coding is firmly back on the agenda as a key skill for children to start learning. Computer Coding for Kids is a unique step-by-step guide, perfect for kids interested in computer programming and how computers work. Avoiding computer jargon, this book guides children through creating computer programs starting with the very basics. Computer Coding for Kids is the only programming book that teaches both Scratch and Python programming languages, with illustrated, simple, step-by-step explanations that make the complex art of computer programming clear for the complete beginner. Starting with simple explanations of programming basics, it progresses to more advanced projects where children can build their own games.Computer Coding for Kids is ideal for kids looking to take your first steps into programming or those that are already interested and hungry to learn more.

Teach Your Kids to Code

Coding Projects in Python

A Unique Step-by-Step Visual Guide to Computers, Coding, and Communication

Computer Coding

2 BOOKS IN 1: Python For Kids And Scratch Coding For Kids. A Beginners Guide to Computer Programming. Have Fun and Learn to Code Quickly, Even If You'Re New To Programming.

Learn to Code with 50 Awesome Games and Activities

A perfect introduction to coding for young minds! This updated step-by-step visual guide teaches children to create their own projects using Scratch 3.0. Suitable for complete beginners, this educational book for kids gives readers a solid understanding of programming. Teach them to create their own projects from scratch, preparing them for more complex programming languages like Python. Techy kids will familiarize themselves with Scratch 3.0 using this beginner's guide to scratch coding. Difficult coding concepts become fun and easy to understand, as budding programmers build their own projects using the latest release of the world's most popular programming language for beginners. Make a Dino Dance Party or create your own electronic birthday cards for friends and family. Build games, simulations, and mind-bending graphics as you discover the awesome things computer programmers can do with Scratch 3.0. This second edition of Coding Projects in Scratch uses a visual step-by-step approach to split complicated code into manageable, easy-to-digest chunks. Even the most impressive projects become possible. This book is an impressive guide that is perfect for anyone who wants to learn to code. Follow Simple Steps, Improve Your Skills & Share Your Creations! Follow the simple steps to become an expert coder using the latest version of the popular programming language Scratch 3.0 in this new edition. Create mind-bending illusions, crazy animations, and interactive artwork with this amazing collection of Scratch projects. Suitable for beginners and experts alike, this fabulous introduction to programming for kids has everything you need to learn how to code. You'll improve your coding skills and learn to create and customize your own projects, then you can share your games online and challenge friends and family to beat each other's scores! What's inside this kids' coding book? - Simulations, mind-benders, music, and sounds - Algorithms, virtual snow, and interactive features - Different devices, operating systems, programming languages and more Computer coding teaches kids how to think creatively, work collaboratively, and reason systematically, and is quickly becoming a necessary and sought-after skill. DK's computer coding books for kids are full of fun exercises with step-by-step guidance, making them the perfect introductory tools for building vital skills in computer programming. Coding Projects in Scratch is one of three brilliant coding books for kids. Add Coding Games in Scratch and Coding Projects in Python to your collection.

"Your kids will be building computer games and learning code in no-time with Coding Computer Games for Kids. Kids can enter the world of programming in this illustrated guide- packed with step-by-step explanations showing kids how to build all types of games, from puzzles and racers to 3D action games. The perfect way to introduce a reluctant child to coding, Coding Computer Games for Kids shows kids how to have fun with Scratch by creating games. Simple instructions and graphics breakdown coding with Scratch so kids learn all the code they need to build, play and share their favourite games with friends. "

Python for beginners - you'll learn how to build amazing graphics, fun games, and useful apps using Python, an easy yet powerful free programming language available for download. A perfect introduction to Python coding for kids ages 10 and over who are ready to take the next step after Scratch - all they need is a desktop or laptop, and an internet connection to download Python 3. Using fun graphics and easy-to-follow instructions, this straightforward, visual guide shows young learners how to build their own computer projects using Python. Step-by-step instructions teach essential coding basics like loops and conditionals, and outline 14 fun and exciting projects. Included is a script that cracks secret codes, a quiz to challenge family and friends, a matching game, and more. When they feel more confident, kids can think creatively and use the tips and tricks provided to personalize and adapt each project. The simple, logical steps in Coding Projects in Python are fully illustrated with fun pixel art and build on the basics of coding. Kids will eventually have the skills to build whatever kind of project they can dream up - the only limit is your imagination! Create, Remix and Customize! Create crazy games, crack fiendish codes, and compose crafty quizzes with this amazing collection of Python projects. Suitable for beginners and experts alike, Coding Projects in Python has everything enthusiastic coders need. Follow the simple steps to learn how to write code in this popular programming language and improve your programming skills, while you learn to create, remix, and customize your own projects. The material in this educational book is example based and the colors and humor keep children engaged while they learn to code. If your child is ready for the next step after mastering Scratch, this is the book to get! Inside this guide, you will learn about: - Starting with Python and first steps - Creating cool graphics and playful apps - Getting acquainted with games in Python Supporting STEM education initiatives, computer coding teaches kids how to think creatively, work collaboratively, and reason systematically, and is quickly becoming a necessary and sought-after skill. DK's computer coding books for kids are full of fun exercises with step-by-step guidance, making them the perfect introductory tools for building vital skills in computer programming. Coding Projects in Python is the third in an awesome coding book series for kids. Add Coding Projects in Scratch and Coding Games in Scratch to your collection.

NEW YORK TIMES BESTSELLER! Part how-to, part girl-empowerment, and all fun, from the leader of the movement championed by Sheryl Sandberg, Malala Yousafzai, and John Legend. Since 2012, the organization Girls Who Code has taught computing skills to and inspired over 40,000 girls across America. Now its founder, and author Brave Not Perfect, Reshma Saujani, wants to inspire you to be a girl who codes! Bursting with dynamic artwork, down-to-earth explanations of coding principles, and real-life stories of girls and women working at places like Pixar and NASA, this graphically animated book shows what a huge role computer science plays in our lives and how much fun it can be. No matter your interest—sports, the arts, baking, student government, social justice—coding can help you do what you love and make your dreams come true. Whether you ' re a girl who ' s never coded before, a girl who codes, or a parent raising one, this entertaining book, printed in bold two-color and featuring art on every page, will have you itching to create your own apps, games, and robots to make the world a better place.

My First Coding Book

A Step-by-Step Visual Guide

Learn to Code and Change the World

For Kids of All Ages

Learn to Code Without a Computer

A Unique Step-by-Step Visual Guide, from Binary Code to Building Games

A guide for kids who want to learn coding Coding is quickly becoming an essential academic skill, right up there with reading, writing, and arithmetic. This book is an ideal way for young learners ages 8-13 who want more coding knowledge than you can learn in an hour, a day, or a week. Written by a classroom instructor with over a decade of experience teaching technology skills to kids as young as five, this book teaches the steps and logic needed to write code, solve problems, and create fun games and animations using projects based in Scratch and JavaScript. This 2nd Edition is fully updated to no longer require any limited-time software downloads to complete the projects. Learn the unique logic behind writing computer code Use simple coding tools ideal for teaching kids and beginners Build games and animations you can show off to friends Add motion and interactivity to your projects Whether you're a kid ready to make fun things using technology or a parent, teacher, or mentor looking to introduce

coding in an eager child's life, this fun book makes getting started with coding fun and easy!

Coding Activities and Adventures for Kids! Unleash the master coder in your child with this activity-filled guide! Fun coding adventures show kids just how far their imagination can take them. (Did you know coding took us to the moon?!) Complete with simple steps, colorful illustrations, and easy-to-follow screenshots, kids will find the encouragement they need to dive right in and discover the amazing power of coding. You'll both love how Kids Can Code: Gives kids the confidence to master coding through simple projects that feel like play. Helps young learners get to know some of the most common coding languages—and the many ways they're used to invent and create—in kid-friendly ways. Makes concepts like plot coordinates and binary code simple (even fun!) to grasp. Boosts computational thinking—tackling large problems by breaking them down into a sequence of smaller, more manageable problems. Gives kids a taste of the many ways coding be used—from music and design to animation and gaming. The activity-based learning in this guide sets kids up for immediate coding success, so they feel like a real programmer. It's the best way to keep them learning and excited about technology!

It is most logical for young coders to learn about Boolean algebra! This interactive book introduces readers to the concept of logic, which lies at the heart of coding. Theyll learn about if and until clauses, arithmetic functions, and decision-making. Budding coders will engage with these crucial topics through fun puzzles and games, and adorable robot illustrations draw in even readers who are reluctant to learn coding. This completely computer-free look at logic is accessible to all readers, making it a valuable addition to any library.

Young readers are exposed to the exciting world of coding. They will be given an introduction to the basics of key computer programming markup languages, such as HTML and CSS. In learning about these essential computer skills and subjects, readers will improve their problem-solving skills and prepare to make their own website or even pursue a career in coding. In addition to the age-appropriate text, there are informative diagrams, helpful fact boxes, instructional graphic organizers, and eye-catching illustrations, which make this topic to make even more interesting and engaging for young readers.

Get Creative with Code!

An Introduction to Computer Programming

Learning to Scratch

A unique step-by-step visual guide, from binary code to building games

An Easy Step-by-Step Guide For Beginners To Learn Programming And Coding Skills

From the computer science nonprofit Girls Who Code comes this lively and funny story introducing kids to computer coding concepts. All summer, Pearl has been trying to build the perfect sandcastle, but out-of-control Frisbees and mischievous puppies keep getting in the way! Pearl and her robot friend Pascal have one last chance, and this time, they're going to use code to get the job done. Using fundamental computer coding concepts like sequences and loops, Pearl and Pascal are able to break down their sandcastle problem into small, manageable steps. If they can create working code, this could turn out to be the best beach day ever! With renowned computer science nonprofit Girls Who Code, Josh Funk and Sara Palacios use humor, relatable situations, and bright artwork to introduce kids to the fun of coding.

Learning Python just got fun for kids! Learning to code is just like playing a new sport or practicing an instrument—just get started! From the basic building blocks of programming to creating your very own code, this book teaches essential Python skills to kids ages 10 and up with 50 fun and engaging activities. Master fundamental functions, create code blocks, and draw and move shapes with the turtle module—these interactive lessons offer step-by-step guidance to make computer programming entertaining to future coders. You can even see the results of your coding in real time! With helpful hacks and screenshots for guidance, the only question that Coding for Kids: Python leaves unanswered is: what will you build next? Coding for Kids: Python includes: Game-based learning—Kids study coding concepts by putting them into practice with 50 innovative exercises. Creative projects— Coding for Kids: Python encourages kids to think independently, modify code, and express their creativity with every lesson. Easy-to-follow guidance—Straightforward directions and tips keep coders engaged every step of the way. Give the technologists of tomorrow the gift of fluently coding while having tons of fun with Coding for Kids: Python.

A Step-by-Step Visual Guide to Coding Your Own Animations, Games, Simulations, and More!

Hello Ruby: Adventures in Coding

Practical Programming for Total Beginners

Packed with Flaps and Lots More to Help you Code without a Computer!