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*Free To Learn*

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## ERICKSON CAMERON

### **Fluent Forever** African Storybook Initiative

First released in the Spring of 1999, *How People Learn* has been expanded to show how the theories and insights from the original book can translate into actions and practice, now making a real connection between classroom activities and learning behavior. This edition includes far-reaching suggestions for research that could increase the impact that classroom teaching has on actual learning. Like the original edition, this book offers exciting new research about the mind and the brain that provides answers to a number of compelling questions. When do infants begin to learn? How do experts learn and how is this different from non-experts? What can teachers and schools do-with curricula, classroom settings, and teaching methods-to help children learn most effectively? New evidence from many branches of science has significantly added to our understanding of what it means to know, from the neural processes that occur during learning to the influence of culture on what people see and absorb. *How People Learn* examines these findings and their implications for what we teach, how we teach it, and how we assess what our children learn. The book uses exemplary teaching to illustrate how approaches based on what we now know result in in-depth learning. This new knowledge calls into question concepts and practices firmly entrenched in our current education system. Topics include: How learning actually changes the physical structure of the brain. How existing knowledge affects what people notice and how they learn. What the thought processes of experts tell us about how to teach. The amazing learning potential of infants. The relationship of classroom learning and everyday settings of community and workplace. Learning needs and opportunities for teachers. A realistic look at the role of technology in education.

### **Automate the Boring Stuff with Python, 2nd Edition** CAST Professional Publishing

If you're eager to share the wonders of life

in the real world with your children, to help them explore a world larger and more exciting than school's four walls and rigid programs can offer, let me share my unschooling experience with you. Thinking about homeschooling? Curious about unschooling? Walk with me as I share the five paradigm-changing ideas about learning and living that freed my family from the school schedule. With over ten years of experience, I have come to see how key these ideas were, and still are, to our unschooling lives. With stories, examples, and clear language, *Free to Learn* explores the depth and potential of unschooling. Learning freely, living joyfully.

### The World Book Encyclopedia Alliance for Self-Directed Education

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, *Ruby on Rails™ Tutorial, Fourth Edition*, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails

mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

### Raising Free People Basic Books

Children, like all human beings, crave freedom, but they are not free in school. Schools operate by methods of coercion (a "request" in school is really an order), enforced with reward, punishment, and threats. Coercion interferes with children's natural, joy-filled and interest-filled ways of learning and turns learning into "work." In this collection of essays, developmental psychologist Peter Gray describes also how schooling promotes bullying, cheating, and showing off; contributes to high rates of anxiety, depression, and even suicide among students; aims to push everyone, regardless of the shape of their personality, through the same square holes; and leads to a lifetime of anxiety dreams. The last two essays show how the harm has moved down even to the youngest students, caused by the misbelief that academic training should start in kindergarten and before. This collection is for everyone who cares about children's wellbeing.

### Pro JavaScript Design Patterns St. Martin's Essentials

A lively read from a working teacher offers practical engagement strategies for

students with attention challenges If learning is a motor, student engagement is the key. But when teaching students with ADHD and other attention challenges, sometimes even the most finely tuned classroom can sputter. *Teach for Attention!* is your tool belt of teaching strategies for students with ADHD, low self-confidence, distraction, and other attention challenges. Dozens of true classroom stories show the strategies in action. It's all about making simple fixes so you can reach every student without changing your approach or revamping your curriculum. Carry these ideas with you like tools on a belt—the right one will be there when you need it!

#### **Learn Like a Pro** Harmony

It's all in the name: *Learn You a Haskell for Great Good!* is a hilarious, illustrated guide to this complex functional language. Packed with the author's original artwork, pop culture references, and most importantly, useful example code, this book teaches functional fundamentals in a way you never thought possible. You'll start with the kid stuff: basic syntax, recursion, types and type classes. Then once you've got the basics down, the real black belt master-class begins: you'll learn to use applicative functors, monads, zippers, and all the other mythical Haskell constructs you've only read about in storybooks. As you work your way through the author's imaginative (and occasionally insane) examples, you'll learn to: -Laugh in the face of side effects as you wield purely functional programming techniques -Use the magic of Haskell's "laziness" to play with infinite sets of data -Organize your programs by creating your own types, type classes, and modules -Use Haskell's elegant input/output system to share the genius of your programs with the outside world Short of eating the author's brain, you will not find a better way to learn this powerful language than reading *Learn You a Haskell for Great Good!*

*Freedom to Learn* Chicago Review Press A surprisingly simple way for students to master any subject--based on one of the world's most popular online courses and the bestselling book *A Mind for Numbers* *A Mind for Numbers* and its wildly popular online companion course "Learning How to Learn" have empowered more than two million learners of all ages from around the world to master subjects that they once struggled with. Fans often wish they'd discovered these learning strategies earlier and ask how they can help their kids master these skills as well. Now in this new book for kids and teens, the authors reveal how to make the most

of time spent studying. We all have the tools to learn what might not seem to come naturally to us at first--the secret is to understand how the brain works so we can unlock its power. This book explains: • Why sometimes letting your mind wander is an important part of the learning process • How to avoid "rut think" in order to think outside the box • Why having a poor memory can be a good thing • The value of metaphors in developing understanding • A simple, yet powerful, way to stop procrastinating Filled with illustrations, application questions, and exercises, this book makes learning easy and fun.

#### Deep Learning PM Press

The essence of John Holt's insight into learning and small children is captured in *Learning All The Time*. This delightful book by the influential author of *How Children Fail* and *How Children Learn* shows how children learn to read, write, and count in their everyday life at home and how adults can respect and encourage this wonderful process. For human beings, he reminds us, learning is as natural as breathing. John Holt's wit, his gentle wisdom, and his infectious love of little children bring joy to parent and teacher alike.

#### **Learning how to Learn** Cambridge University Press

*Fluent For Free* is a no-nonsense book written to help anyone, at any age, learn any language without having to pay for it. It challenges everything you've been told about language learning. I used these methods to learn 7 languages in 7 years at no cost. This can be the last time you spend money on learning a new language...

#### *Talent Wants to Be Free* SCB Distributors

The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. *The Rust Programming Language* is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of *The Rust Programming Language*, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: Ownership and

borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing, error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

#### **The Harm of Coercive Schooling** Free Spirit Publishing

In response to the many inquiries he has received about the Sufi tradition, leading Sufi expert Idries Shah presents a clarifying series of questions and answers that illustrates how traditional Sufi concepts can resolve our social, psychological, and spiritual problems. This is the ideal introduction to Sufi wisdom.

#### Boost Emotional Intelligence in Students

Springer Science & Business Media

Learn how to code while you write programs that effortlessly perform useful feats of automation! The second edition of this international fan favorite includes a brand-new chapter on input validation, Gmail and Google Sheets automations, tips for updating CSV files, and more. If you've ever spent hours renaming files or updating spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? *Automate the Boring Stuff with Python, 2nd Edition* teaches even the technically uninclined how to write programs that do in minutes what would take hours to do by hand—no prior coding experience required! This new, fully revised edition of Al Sweigart's bestselling Pythonic classic, *Automate the Boring Stuff with Python*, covers all the basics of Python 3 while exploring its rich library of modules for performing specific tasks, like scraping data off the Web, filling out forms, renaming files, organizing folders, sending email responses, and merging, splitting, or encrypting PDFs. There's also a brand-new chapter on input validation, tutorials on automating Gmail and Google Sheets, tips on automatically updating CSV files, and other recent feats of automations that improve your efficiency.

Detailed, step-by-step instructions walk you through each program, allowing you to create useful tools as you build out your programming skills, 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. Boring tasks no longer have to take to get through—and neither does learning Python!

**The Freedom to Read** "O'Reilly Media, Inc."

Now a Wall Street Journal bestseller. Learn a new talent, stay relevant, reinvent yourself, and adapt to whatever the workplace throws your way. Ultralearning offers nine principles to master hard skills quickly. This is the essential guide to future-proof your career and maximize your competitive advantage through self-education. In these tumultuous times of economic and technological change, staying ahead depends on continual self-education—a lifelong mastery of fresh ideas, subjects, and skills. If you want to accomplish more and stand apart from everyone else, you need to become an ultralearner. The challenge of learning new skills is that you think you already know how best to learn, as you did as a student, so you rerun old routines and old ways of solving problems. To counter that, Ultralearning offers powerful strategies to break you out of those mental ruts and introduces new training methods to help you push through to higher levels of retention. Scott H. Young incorporates the latest research about the most effective learning methods and the stories of other ultralearners like himself—among them Benjamin Franklin, chess grandmaster Judit Polgár, and Nobel laureate physicist Richard Feynman, as well as a host of others, such as little-known modern polymath Nigel Richards, who won the French World Scrabble Championship—without knowing French. Young documents the methods he and others have used to acquire knowledge and shows that, far from being an obscure skill limited to aggressive autodidacts, ultralearning is a powerful tool anyone can use to improve their career, studies, and life. Ultralearning explores this fascinating subculture, shares a proven framework for a successful ultralearning project, and offers insights into how you can organize and execute a plan to learn anything deeply and quickly, without teachers or budget-busting tuition costs. Whether the goal is to be fluent in a language (or ten languages), earn the equivalent of a college degree in a fraction of the time, or master multiple tools to build a product or business from the ground up, the

principles in Ultralearning will guide you to success.

**School is Dead** Free Spirit Publishing

Knowing how to listen is essential to learning, growing, and getting along with others. Simple words and inviting illustrations help children develop skills for listening, understand why it's important to listen, and recognize the positive results of listening. Includes a note to teachers and parents, additional information for adults, and activities.

**Unschooling** HarperCollins

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

**Fluent For Free** Free Spirit Publishing

Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala

**I Like To Read** Da Capo Lifelong Books

Products, technologies, and workplaces change so quickly today that everyone is continually learning. Many of us are also teaching, even when it's not in our job descriptions. Whether it's giving a presentation, writing documentation, or creating a website or blog, we need and want to share our knowledge with other people. But if you've ever fallen asleep over a boring textbook, or fast-forwarded through a tedious e-learning exercise, you know that creating a great learning experience is harder than it seems. In *Design For How People Learn*, you'll discover how to use the key principles behind learning, memory, and attention to create materials that enable your

audience to both gain and retain the knowledge and skills you're sharing. Using accessible visual metaphors and concrete methods and examples, *Design For How People Learn* will teach you how to leverage the fundamental concepts of instructional design both to improve your own learning and to engage your audience.

**R for Data Science** Addison-Wesley Professional

A leading expert in childhood development makes the case for why self-directed learning -- "unschooling" -- is the best way to get kids to learn. In *Free to Learn*, developmental psychologist Peter Gray argues that in order to foster children who will thrive in today's constantly changing world, we must entrust them to steer their own learning and development. Drawing on evidence from anthropology, psychology, and history, he demonstrates that free play is the primary means by which children learn to control their lives, solve problems, get along with peers, and become emotionally resilient. A brave, counterintuitive proposal for freeing our children from the shackles of the curiosity-killing institution we call school, *Free to Learn* suggests that it's time to stop asking what's wrong with our children, and start asking what's wrong with the system. It shows how we can act—both as parents and as members of society—to improve children's lives and to promote their happiness and learning.

**Teach for Attention!** No Starch Press NATIONAL BESTSELLER • For anyone who wants to learn a foreign language, this is the method that will finally make the words stick. "A brilliant and thoroughly modern guide to learning new languages."—Gary Marcus, cognitive psychologist and author of the New York Times bestseller *Guitar Zero* At thirty years old, Gabriel Wyner speaks six languages fluently. He didn't learn them in school—who does? Rather, he learned them in the past few years, working on his own and practicing on the subway, using simple techniques and free online resources—and here he wants to show others what he's discovered. Starting with pronunciation, you'll learn how to rewire your ears and turn foreign sounds into familiar sounds. You'll retrain your tongue to produce those sounds accurately, using tricks from opera singers and actors. Next, you'll begin to tackle words, and connect sounds and spellings to imagery rather than translations, which will enable you to think in a foreign language. And with the help of sophisticated spaced-repetition techniques, you'll be able to memorize hundreds of words a month in minutes

every day. This is brain hacking at its most exciting, taking what we know about neuroscience and linguistics and using it to create the most efficient and enjoyable way to learn a foreign language in the spare minutes of your day.

**Learning How to Learn** National Academies Press

With *Pro JavaScript Design Patterns*, you'll start with the basics of object-oriented programming in JavaScript applicable to design patterns, including making JavaScript more expressive, inheritance, encapsulation, information hiding, and more. The book then details how to implement and take advantage of several

design patterns in JavaScript. Each chapter is packed with real-world examples of how the design patterns are best used and expert advice on writing better code, as well as what to watch out for. Along the way you'll discover how to create your own libraries and APIs for even more efficient coding.