

101 Creative Problem Solving Techniques

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101 Creative Problem Solving Techniques

The Handbook of New Ideas for Business

The author presents 101 techniques essential for solving problems creatively. The book describes the traditional problem-solving process as practiced by business people for many years. It then discusses how problem solving can be made more creative. The book will stimulate creativity and innovation in individuals and groups.

101 Creative Problem Solving Techniques The Handbook Of New Ideas For Business Turtleback

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Problem Solving 101

A Simple Book for Smart People *Penguin*

The fun and simple problem-solving guide that took Japan by storm Ken Watanabe originally wrote Problem Solving 101 for Japanese schoolchildren. His goal was to help shift the focus in Japanese education from memorization to critical thinking, by adapting some of the techniques he had learned as an elite McKinsey consultant. He was amazed to discover that adults were hungry for his fun and easy guide to problem solving and decision making. The book became a surprise Japanese bestseller, with more than 370,000 in print after six months. Now American businesspeople can also use it to master some powerful skills. Watanabe uses sample scenarios to illustrate his techniques, which include logic trees and matrixes. A rock band figures out how to drive up concert attendance. An aspiring animator budgets for a new computer purchase. Students decide which high school they will attend. Illustrated with diagrams and quirky drawings, the book is simple enough for a middle-schooler to understand but sophisticated enough for business leaders to apply to their most challenging problems.

The Solution Book: 101 Techniques for Successful Ideation and Problem Solving *InVigeo, LLC*

CB Insights study suggests that 42% of startups fail because they do not identify the right need, in other words: there is no need for the startup or product in the first place. The issue here is the lack of tools used to generate the ideas and validate those. Bottom line, this issue is about a structured approach to idea generation and problem-solving. Do you know that most people engaged in collective problem solving spend a lot of their valuable time in meetings, discussing ideas, which they think eventually do not add value to product or startup? Harvard Business Review survey suggests that 71% of managers feel that meetings do not help accomplish much, as they do not have specific templates and exercises to guide specific outcomes with engagement from participants. THE SOLUTION BOOK is going to help you in experimenting with ideas effectively by providing you steps on how to create a framework for coming up with new ideas and products, considering a variety of views, develop teamwork and collaboration keeping you better focused on your results and outcomes. The solution book consists of 101 easy to follow techniques on problem-solving and ideation. Startup, innovation and venture failures are expensive and justified only by lack of tools and data for analysis. The book caters to all stages in your lifecycle as a creative thinker and problem solver with tools to optimize your resources, go beyond conventional solutions and experiment with divergent (out of the box) thinking thanks to Elina Kallas, a researcher on entrepreneurship education with European Commission and in entrepreneurship at Harvard University, and Vidyangi Patil, an interdisciplinary professional of Biomedical Engineering with an extensive startup and research experience.

Problem Solving & Comprehension

A Short Course in Analytical Reasoning *Routledge*

This popular book shows students how to increase their power to analyze problems and to comprehend what they read. First, it outlines and illustrates the method that good problem solvers use

in attacking complex ideas. Then, it provides practice in applying these methods to a variety of comprehension and reasoning questions. Books on the improvement of thinking processes have tended to be complicated and less than useful, but the authors of this renowned text emphasize a simple but effective approach. The "Whimbey Method" of teaching problem solving is now recognized as an invaluable means of teaching people to think. Problems are followed by their solutions, presented in easy-to-follow steps. This feature permits students to work without supervision, outside the classroom. As students work through the book they will see a steady improvement in their analytical thinking skills, and will develop confidence in their ability to solve problems--on tests; in academic courses; and in any occupations that involve analyzing, untangling, or comprehending knotty ideas. By helping students to become better problem solvers, this book can assist students in achieving higher scores on tests commonly used for college and job selection, such as: * Scholastic Aptitude Test (SAT) * Graduate Record Examination (GRE) * ACT Work Keys * Terra Nova * Law School Admission Test (LSAT) * Wonderlic Personnel Test * United States Employment Service General Aptitude Test Battery * Civil Service Examination New in the 6th edition: A totally new chapter--"Meeting Academic and Workplace Standards: How This Book Can Help"--describes changes in the educational system in the past 20 years and shows how the techniques taught in this book relate to the new educational standards and tests. Changes throughout the book reflect current educational and social realities: the names of some characters have been changed to represent more accurately the cross-section of students attending today's schools; dates in some problems have been changed; in other problems the technology referred to has been updated.

Creative Problem Solving for Managers *Routledge*

This accessible text provides a lively introduction to the essential skills of creative problem solving. Using extensive case-studies and examples from a range of business situations, it explores various problem-solving theories and techniques, illustrating how these can be used to solve a range of management problems. Thoroughly revised and redesigned, this new edition retains the accessible and imaginative approach to problem-solving skills of the first edition. Contents include: * blocks to creativity and how to overcome them * key techniques including lateral thinking, morphological analysis and synectics * computer-assisted problem solving * increased coverage of group problem-solving techniques and paradigm shift. As creativity is increasingly recognized as a key skill for successful managers, this book will be welcomed as a comprehensive introduction for students and practising managers alike.

Think Like a Programmer

An Introduction to Creative Problem Solving *No Starch Press*

The real challenge of programming isn't learning a language's syntax—it's learning to creatively solve problems so you can build something great. In this one-of-a-kind text, author V. Anton Spraul breaks down the ways that programmers solve problems and teaches you what other introductory books often ignore: how to Think Like a Programmer. Each chapter tackles a single programming concept, like classes, pointers, and recursion, and open-ended exercises throughout challenge you to apply your knowledge. You'll also learn how to: -Split problems into discrete components to make them easier to solve -Make the most of code reuse with functions, classes, and libraries -Pick the perfect data structure for a particular job -Master more advanced programming tools like recursion and dynamic memory -Organize

your thoughts and develop strategies to tackle particular types of problems. Although the book's examples are written in C++, the creative problem-solving concepts they illustrate go beyond any particular language; in fact, they often reach outside the realm of computer science. As the most skillful programmers know, writing great code is a creative art—and the first step in creating your masterpiece is learning to Think Like a Programmer.

Sparking Student Creativity

Practical Ways to Promote Innovative Thinking and Problem Solving *ASCD*

Teaching isn't merely transmitting knowledge to students; it's also about teaching students to approach learning in engaging and unexpected ways. In *Sparking Student Creativity: Practical Ways to Promote Innovative Thinking and Problem Solving*, author and researcher Patti Drapeau explores and explains research related to creativity and its relevance in today's standards-based, critical thinking-focused classroom. The book vividly and comprehensively shows * How creative lessons can meet and extend the expectations of curriculum standards such as the Common Core State Standards, * How to incorporate creativity and assessment into daily classroom practices, * How to develop a "Creativity Road Map" to guide instruction, and * How to design lessons that prompt and support creative thinking. In addition, the book includes 40 "grab and go" ideas that infuse lesson plans with a spirit of exploration. No matter what grade levels or content areas you teach, *Sparking Student Creativity* will help you to produce creative lesson components that directly address critical content, target specific standards, and require thoughtful products from students as they grow into independent learners and become successful students and adults.

Bulletproof Problem Solving

The One Skill That Changes Everything *John Wiley & Sons*

Complex problem solving is the core skill for 21st Century Teams. Complex problem solving is at the very top of the list of essential skills for career progression in the modern world. But how problem solving is taught in our schools, universities, businesses and organizations comes up short. In *Bulletproof Problem Solving: The One Skill That Changes Everything* you'll learn the seven-step systematic approach to creative problem solving developed in top consulting firms that will work in any field or industry, turning you into a highly sought-after bulletproof problem solver who can tackle challenges that others balk at. The problem-solving technique outlined in this book is based on a highly visual, logic-tree method that can be applied to everything from everyday decisions to strategic issues in business to global social challenges. The authors, with decades of experience at McKinsey and Company, provide 30 detailed, real-world examples, so you can see exactly how the technique works in action. With this bulletproof approach to defining, unpacking, understanding, and ultimately solving problems, you'll have a personal superpower for developing compelling solutions in your workplace. Discover the time-tested 7-step technique to problem solving that top consulting professionals employ. Learn how a simple visual system can help you break down and understand the component parts of even the most complex problems. Build team brainstorming techniques that fight cognitive bias, streamline workplanning, and speed solutions. Know when and how to employ modern analytic tools and techniques from machine learning to game theory. Learn how to structure and communicate your findings to convince audiences and compel action. The secrets revealed in *Bulletproof Problem Solving* will transform the

way you approach problems and take you to the next level of business and personal success.

Engineering of Creativity

Introduction to TRIZ Methodology of Inventive Problem Solving *CRC Press*

Invention and innovation lie at the heart of problem solving in virtually every discipline, but they are not easy to come by. Divine inspiration aside, historically we have depended primarily on observation, brainstorming, and trial-and-error methods to develop the innovations that provide solutions. But these methods are neither efficient nor dependable enough for the high-quality, high-tech engineering solutions we need today. TRIZ is a unique and powerful, algorithmic approach to problem solving that demonstrated remarkable effectiveness in its native Russia, and whose popularity has now spread to organizations such as Ford, NASA, Motorola, Unisys, and Rockwell International. Until now, however, no comprehensive, comprehensible treatment, suitable for self-study or as a textbook, has been available in English. *Engineering of Creativity* provides a valuable opportunity to learn and apply the concepts and techniques of TRIZ to complex engineering problems. The author—a world-renowned TRIZ expert—covers every aspect of TRIZ, from the basic concepts to the latest research and developments. He provides step-by-step guidelines, case studies from a variety of engineering disciplines, and first-hand experience in using the methodology. Application of TRIZ can bring high-quality—even breakthrough-conceptual solutions and help remove technical obstacles. Mastering the contents of *Engineering of Creativity* will bring your career and your company a remarkable advantage: the ability to formulate the best possible solutions for technical systems problems and predict future developments.

Strategic Thinking in Complex Problem Solving *Oxford University Press*

Whether you are a student or a working professional, you can benefit from being better at solving the complex problems that come up in your life. *Strategic Thinking in Complex Problem Solving* provides a general framework and the necessary tools to help you do so. Based on his groundbreaking course at Rice University, engineer and former strategy consultant Arnaud Chevallier provides practical ways to develop problem solving skills, such as investigating complex questions with issue maps, using logic to promote creativity, leveraging analogical thinking to approach unfamiliar problems, and managing diverse groups to foster innovation. This book breaks down the resolution process into four steps: 1) frame the problem (identifying what needs to be done), 2) diagnose it (identifying why there is a problem, or why it hasn't been solved yet), 3) identify and select potential solutions (identifying how to solve the problem), and 4) implement and monitor the solution (resolving the problem, the 'do'). For each of these four steps—the what, why, how, and do—this book explains techniques that promote success and demonstrates how to apply them on a case study and in additional examples. The featured case study guides you through the resolution process, illustrates how these concepts apply, and creates a concrete image to facilitate recollection. *Strategic Thinking in Complex Problem Solving* is a tool kit that integrates knowledge based on both theoretical and empirical evidence from many disciplines, and explains it in accessible terms. As the book guides you through the various stages of solving complex problems, it also provides useful templates so that you can easily apply these approaches to your own personal projects. With this book, you don't just learn about problem solving, but how to

actually do it.

Learning to Solve Problems

A Handbook for Designing Problem-Solving Learning Environments *Routledge*

This book provides a comprehensive, up-to-date look at problem solving research and practice over the last fifteen years. The first chapter describes differences in types of problems, individual differences among problem-solvers, as well as the domain and context within which a problem is being solved. Part one describes six kinds of problems and the methods required to solve them. Part two goes beyond traditional discussions of case design and introduces six different purposes or functions of cases, the building blocks of problem-solving learning environments. It also describes methods for constructing cases to support problem solving. Part three introduces a number of cognitive skills required for studying cases and solving problems. Finally, Part four describes several methods for assessing problem solving. Key features includes: Teaching Focus – The book is not merely a review of research. It also provides specific research-based advice on how to design problem-solving learning environments. Illustrative Cases – A rich array of cases illustrates how to build problem-solving learning environments. Part two introduces six different functions of cases and also describes the parameters of a case. Chapter Integration – Key theories and concepts are addressed across chapters and links to other chapters are made explicit. The idea is to show how different kinds of problems, cases, skills, and assessments are integrated. Author expertise – A prolific researcher and writer, the author has been researching and publishing books and articles on learning to solve problems for the past fifteen years. This book is appropriate for advanced courses in instructional design and technology, science education, applied cognitive psychology, thinking and reasoning, and educational psychology. Instructional designers, especially those involved in designing problem-based learning, as well as curriculum designers who seek new ways of structuring curriculum will find it an invaluable reference tool.

Creative, Efficient, and Effective Project Management *CRC Press*

Creative companies are distinguished by their ability to adapt and thrive in a dynamic, changing economy. Their products and services stand out in the market, and these companies' ability to be agile and innovative is key to their success. Creative, Efficient, and Effective Project Management supplies an in-depth discussion of creativity and its relationship to project management. Specifically, it explains how the tools and techniques of creativity can be used to enhance the five processes executed during a project: defining, planning, executing, monitoring and controlling, and closing. Establishing the groundwork for encouraging and sustaining creativity in your projects, the book details the benefits of integrating creativity in projects. It discusses common, and not so common, tools and techniques for developing project management deliverables and identifies the challenges that can arise when using creativity in a project. It also details ten little-known facts that can help you overcome the obstacles that often prevent organizations from tapping into the power of creativity in their projects. Each chapter includes a checklist and a case study on the application of the concepts presented. The book also indicates, where applicable, how the topics of discussion relate to the Project Management Institute's (PMI®) Project Management Body of Knowledge (PMBOK®). Creativity resides in everyone, but for the most part remains untapped. In this book, you will find thoughts, tools, and

techniques that will enable you to tap into your team's creative energy and direct it towards achieving your project goals and objectives.

The Thinker's Toolkit

14 Powerful Techniques for Problem Solving *Currency*

An invaluable resource for any manager or professional, this book offers a collection of proven, practical methods for simplifying any problem and making faster, better decisions every time.

The Art of Creative Thinking

How to be Innovative and Develop Great Ideas *Kogan Page Publishers*

The Art of Creative Thinking provides clear, practical guidelines for developing your powers as a creative thinker. Using examples of entrepreneurs, authors, scientists and artists, John Adair illustrates a key aspect of creativity in each chapter. Stimulating and accessible, this book will help you to understand the creative process, overcome barriers to new ideas, learn to think effectively and develop a creative attitude. It will help you to become more confident in yourself as a creative person. The Art of Creative Thinking gives you a fresh concept of creative thinking and it will guide you in developing your full potential as a creative thinker. New ideas are the seeds of new products and services, and this book will open the door to them.

Instant Creativity *Kogan Page Publishers*

This lively inspirational guide will help anyone make the most of their creativity. Packed with techniques to release creativity, the book offers a broad range of techniques that readers can apply whether:

Strategies for Creative Problem Solving *Pearson College Division*

This book provides a framework to hone and polish any person's creative problem-solving skills.

101 More Games for Trainers

Another Collection of the Best Activities from Creative Training Techniques Newsletter *Human Resource Development*

101 more and better games from Bob Pike. This volume includes 26 openers, 32 energizers, 15 games that improve communication, 25 team building games, and games that address resistance to change, trainer training, diversity, conflict customer service and much more.

The Problem-Solving, Problem-Prevention, and Decision-Making Guide

Organized and Systematic Roadmaps for Managers *Taylor & Francis*

Each day, managers and employees are confronted with a plethora of real problems and decisions that are creating issues such as lost throughput, poor quality, personnel problems, and material shortages. How they approach these daily quandaries will determine how successful they are at resolving problems and making effective decisions. It is human nature for managers to solutions before they even understand the nature of the problems they are trying to solve. As a result, they end up making blind decisions that change perfectly acceptable processes for incorrect reasons. The real secret to solving problems does not

depend upon the number of sophisticated statistical tools that one applies -- The secret to solving most problems is to keep the approach simple and uncomplicated. Many managers and employees make mistakes because they fail to do what Toyota does so effortlessly -- . They fail to perform the 'genmba walk,' during which they go to see the actual process, understand the work, ask questions, and learn. By following a structured approach, and using only simple tools, most problems can be solved, effective decisions can be made, and problems prevented. The cornerstones of this book are three detailed roadmaps for solving problems, preventing problems, and making effective decisions. Each roadmap contains a step-by-step explanation on how to solve existing problems, how to prevent future problems, and how to make effective decisions. The book provides real case studies to illustrate each of the techniques presented in the book.

Get Weird!

101 Innovative Ways to Make Your Company a Great Place to Work *AMACOM Div American Mgmt Assn*

Workplace performance expert Putzier offers 101 ways to make the workplace a more enjoyable and productive environment. In a lighthearted manner, he discusses how to change the tone and culture of a company with quick and often inexpensive ideas in order to improve employee morale, creative thinking, and work output. Other topics include attracting and retaining the best available talent, enhancing the company image, lowering stress, providing recognition and incentives, and implementing training and development strategies. The book lacks a bibliography. c. Book News Inc.

The Smart Solution Book

68 Tools for Brainstorming, Problem Solving and Decision Making *Pearson UK*

THE MOST COMPREHENSIVE COLLECTION OF PROBLEM-SOLVING TOOLS, GAMES AND TECHNIQUES USED BY BRAINSTORMERS, GAMECHANGERS AND TRAILBLAZERS. As working life becomes more complex, we are increasingly faced with problems which may at first seem insoluble. The Smart Solution Book is your guide to solving these problems, whatever their size. The Smart Solution Book explains each tool in detail - what it is, when and how to use it, its strengths and its limitations. The tools range from quick fixes, which can be used by someone working alone, to large scale solutions which can be used by groups of 100 and more. You can also use the tools separately or in combination with each other. • Frame problems so they can be solved • Find a solution to even the most intractable problem • Enjoy the process of problem solving, whether alone or in collaboration with others • Become more creative in your thinking so that, over time, solutions begin to present themselves The Smart Solution Book will change your way of thinking about business problems: apply the techniques and see the solutions unfold. "The essential guide for any problem solving situation. Effective, practical and very accessible. Highly recommended." Chris Garthwaite, CEO CGA Consulting "There isn't a single individual or organisation that could fail to benefit from the many practical approaches to problem-solving in this book. Everyone should read it!" Andrew Hilton, Managing Director, Corporate Training Partnerships Ltd "F. Durrenmatt says 'What concerns everyone, can only be solved by everyone' - and David's book is the practical guide to getting everyone fully engaged with a creative technique to solve any of your challenges." Peter Schwanh™ ußer, Partner, papilio ag, Zurich

The Complete Book of Intelligence Tests

500 Exercises to Improve, Upgrade and Enhance Your Mind Strength *John Wiley & Sons*

Enjoyable mental exercises to help boost performance on IQ tests This engaging book offers readers the ultimate in calisthenics for the brain. Using the same fun, informative, and accessible style that have made his previous books so popular, Philip Carter helps people identify mental strengths and weaknesses, and provides methods for improving memory, boosting creativity, and tuning in to emotional intelligence. Featuring never-before-published tests designed specifically for this book, plus answers for all questions, this latest treasure trove from a MENSA puzzle editor outlines a fun, challenging program for significantly enhancing performance in all areas of intelligence.

Creative Problem Solving for Managers

Developing Skills for Decision Making and Innovation *Routledge*

Stimulating and developing the creative potential of all members of an organization (not just those in the more traditionally creative functions such as design or research and development) is widely seen as contributing to performance and results. This textbook introduces ideas, skills and models to help students understanding how creative thinking can aid problem-solving. The latest edition of this well-regarded book brings the story up to date whilst retaining popular features such as case studies and case histories together with extensive diagrams, examples and thought-provoking questions. New to this edition are sections on thinking styles and types, creativity and its role in innovation, implementation, and software aids to creativity. This rounded textbook will continue to be an ideal resource for a range of courses and modules across the business school curriculum including problem-solving, strategic management, creativity and innovation management.

Design Creativity 2010 *Springer Science & Business Media*

What is 'design creativity'? It is impossible to answer this question without considering why human beings can - and do - 'design'. Design creativity is instrumental in not only addressing social problems faced across the world, but also evoking an innate appreciation for beauty and a sense of personal contentment. Design Creativity 2010 comprises advanced research findings on design creativity and perspectives on future directions of design creativity research. The papers included were presented and discussed at the first ICDC (International Conference on Design Creativity), which was held at Kobe, Japan, in 2010. Design Creativity 2010 encourages readers to enhance and expand their activities in the field of design creativity.

The Critical Thinking Toolkit

Spark Your Team's Creativity with 35 Problem Solving Activities *AMACOM*

Critical thinking--the ability to approach a problem both analytically and creatively--is the bedrock of success for companies and their people. Fortunately, it's a skill that can be learned. The Critical Thinking Toolkit gets employees thinking better and faster with training exercises that offer an invigorating departure from the everyday and the potential for big payoffs in the form of enhanced "on-your-feet" thinking, innovative problem-solving, and profitable idea generation from everyone on the team. Using hands-on activities and ready-to-use assessments, team members will learn how to challenge

assumptions, brainstorm divergent ideas, and then pinpoint the ones that best benefit your organization. And they'll learn to do it in a way that not only increases their work quality, but also their productivity. Unimaginative. Risk-adverse. Prone to groupthink. These are not just empty complaints about today's employees. American businesses are suffering from systemic burnout resulting in a widespread lack of creativity. But this unimaginative thinking doesn't need to plague your workplace. With The Critical Thinking Toolkit, you and your team have everything you need to think quickly, analytically, and creatively.

The International Handbook on Innovation *Elsevier*

"Most comprehensive and authoritative account available of what innovation is, how it is measured, how it is developed, how it is managed, and how it affects individuals, corporations, societies and the world as a whole." - cover.

Think Smarter

Critical Thinking to Improve Problem-Solving and Decision-Making Skills *John Wiley & Sons*

Train your brain for better decisions, problem solving, and innovation. Think Smarter: Critical Thinking to Improve Problem-Solving and Decision-Making Skills is the comprehensive guide to training your brain to do more for you. Written by a critical thinking trainer and coach, the book presents a pragmatic set of tools to apply critical thinking techniques to everyday business issues. Think Smarter is filled with real world examples that demonstrate how the tools work in action, in addition to dozens of practice exercises applicable across industries and functions. Think Smarter is a versatile resource for individuals, managers, students, and corporate training programs. Thinking is the foundation of everything you do, but we rely largely on automatic thinking to process information, often resulting in misunderstandings and errors. Shifting over to critical thinking means thinking purposefully using a framework and toolset, enabling thought processes that lead to better decisions, faster problem solving, and creative innovation. Think Smarter provides clear, actionable steps toward improving your critical thinking skills, plus exercises that clarify complex concepts by putting theory into practice. Features include: A comprehensive critical thinking framework Over twenty-five "tools" to help you think more critically Critical thinking implementation for functions and activities Examples of the real-world use of each tool Learn what questions to ask, how to uncover the real problem to solve, and mistakes to avoid. Recognize assumptions you can rely on versus those without merit, and train your brain to tick through your mental toolbox to arrive at more innovative solutions. Critical thinking is the top skill on the wish list in the business world, and sharpening your ability can have profound effects throughout all facets of life. Think Smarter: Critical Thinking to Improve Problem-Solving and Decision-Making Skills provides a roadmap to more effective and productive thought.

Problem Solving for New Engineers

What Every Engineering Manager Wants You to Know *CRC Press*

This book brings a fresh new approach to practical problem solving in engineering, covering the critical concepts and ideas that engineers must understand to solve engineering problems. Problem Solving for New Engineers: What Every Engineering Manager Wants You to Know provides strategy and tools needed for new engineers and scientists to become apprentice

experimenters armed only with a problem to solve and knowledge of their subject matter. When engineers graduate, they enter the work force with only one part of what's needed to effectively solve problems -- Problem solving requires not just subject matter expertise but an additional knowledge of strategy. With the combination of both knowledge of subject matter and knowledge of strategy, engineering problems can be attacked efficiently. This book develops strategy for minimizing, eliminating, and finally controlling unwanted variation such that all intentional variation is truly representative of the variables of interest.

The Creative Writing Workbook *Macmillan International Higher Education*

This is a companion to The Creative Writing Handbook - now in its second edition. It is very much aimed at the individual writer, based on the idea that real writing comes from within and that writing is a craft, skill with determination, art with attitude. The book is filled with useful ideas and inspiring techniques for exploring and exploiting resources available, both within and without. It focuses on three major areas - the writer's roots (family, class and gender), the writer's resources (memory and language) and the writer's art (form and technique). Chapters focus on many topics, including how memory shapes a writer's material, the pro-creative force of words and the ambiguities of art and artfulness. Many examples of established writers' works are cited to give the fledgling writer much practical help.

Thinking in New Boxes

A New Paradigm for Business Creativity *Random House*

When BIC, manufacturer of disposable ballpoint pens, wanted to grow, it looked for an idea beyond introducing new sizes and ink colors. Someone suggested lighters. LIGHTERS? With an idea that seemed crazy at first, that bright executive, instead of seeing BIC as a pen company—a business in the PEN “box”—figured out that there was growth to be found in the DISPOSABLE “box.” And he was right. Now there are disposable BIC lighters, razors, even phones. The company opened its door to a host of opportunities. IT INVENTED A NEW BOX. Your business can, too. And simply thinking “out of the box” is not the answer. True ingenuity needs structure, hard analysis, and bold brainstorming. It needs to start THINKING IN NEW BOXES—a revolutionary process for sustainable creativity from two strategic innovation experts from The Boston Consulting Group (BCG). To make sense of the world, we all rely on assumptions, on models—on what Luc de Brabandere and Alan Iny call “boxes.” If we are unaware of our boxes, they can blind us to risks and opportunities. This innovative book challenges everything you thought you knew about business creativity by breaking creativity down into five steps: • Doubt everything. Challenge your current perspectives. • Probe the possible. Explore options around you. • Diverge. Generate many new and exciting ideas, even if they seem absurd. • Converge. Evaluate and select the ideas that will drive breakthrough results. • Reevaluate. Relentlessly. No idea is a good idea forever. And did we mention Reevaluate? Relentlessly. Creativity is paramount if you are to thrive in a time of accelerating change. Replete with practical and potent creativity tools, and featuring fascinating case studies from BIC to Ford to Trader Joe's, Thinking in New Boxes will help you and your company overcome missed opportunities and stay ahead of the curve. This book isn't a simpleminded checklist. This is Thinking in New Boxes. And it will be fun. (We promise.) Praise for Thinking in New Boxes “Excellent . . . While focusing on business creativity, the principles in this book apply anywhere change is

needed and will be of interest to anyone seeking to reinvent herself.”—Blogcritics “Thinking in New Boxes is a five-step guide that leverages the authors’ deep understanding of human nature to enable readers to overcome their limitations and both imagine and create their own futures. This book is a must-read for people living and working in today’s competitive environment.”—Ray O. Johnson, Ph.D., chief technology officer, Lockheed Martin “Thinking In New Boxes discusses what I believe to be one of the fundamental shifts all companies/brands need to be thinking about: how to think creatively, in order to innovate and differentiate our brands. We need to thrive and lead in a world of accelerating change and this book challenges us to even greater creativity in our thinking. One of the best business books I’ve read in a long time.”—Jennifer Fox, CEO, Fairmont Hotels & Resorts “As impressive as teaching new tricks to old dogs, Thinking in New Boxes is both inspirational and practical—a comprehensive, step-by-step guide to sharpening one’s wits in order to harness creativity in the workplace.”—Peter Gelb, general manager, Metropolitan Opera

Innovate Or Evaporate

Test & Improve Your Organization's I.Q., Its Innovation Quotient

Examine your organizational structure and purposes with a critical eye to evaluating its potential for innovation and change with the help of a fine handbook. From analyses of innovation versus imitation processes to strategies and alternatives to traditional business approaches, this is packed with original information

Creative Leadership

Skills That Drive Change SAGE Publications

This book demonstrates how creative thinking is an essential element of leadership, especially when bringing about change. It provides a unique combination of conceptual arguments, practical principles, and proven tools to enhance future leaders' effectiveness in creating and managing change.

Creative Approaches to Problem Solving

A Framework for Innovation and Change SAGE

Creative Approaches to Problem Solving (CAPS) is a comprehensive text covering the well-known, cited, and used system for problem solving and creativity known as Creative Problem Solving (CPS). CPS is a flexible system used to help individuals and groups solve problems, manage change, and deliver innovation. It provides a framework, language, guidelines, and set of easy-to-use tools for understanding challenges, generating ideas and transforming promising ideas into action. Features and Benefits: - Specific objectives in each chapter for the reader - This provides a clear focus for instruction or independent learning - Practical case study introduced in the beginning of each chapter and then completed as a "rest of the story" toward the end of the chapter - This feature provides an application anchor for the reader - Upgraded mix of graphics - These updated and refreshed graphics include tables, figures, and illustrative images that are designed to provide "pictures" to go along with the word. The aim has been to aid attention, retention, and practical application - Enhanced emphasis on flexible, dynamic process-- Enables users to select and apply CPS tools, components, and stages in a meaningful way that meets their actual needs - A framework for problem solving that has been tested and applied across ages, settings, and cultures--

Readers can apply a common approach to process across many traditional "boundaries" that have limited effectiveness. Creative Approaches to Problem Solving has been (and continues to be) used as a core text for faculty who are teaching courses in Creative Problem Solving or Creativity and Innovation as part of an MBA program, or in Education, a course on Creativity (often as a component of certification or endorsement requirements in gifted education). It is also used as a core text for those enrolled in professional development, continuing education, or executive education programmes.

Problem Solving Infobase Publishing

Praise for the previous edition: "The advice is sound and the interactive style will appeal to teens...solid and engaging..."—School Library Journal Developing and understanding different methods of tackling problems is an essential career skill. Problem Solving, Third Edition teaches readers how to become a problem solver, a valuable and highly sought person in today's complicated workforce. This new edition illustrates the difference between scientific and creative problem-solving techniques and outlines a five-step approach to dealing with dilemmas that students can apply to almost any situation. A new appendix of helpful Web sites has been added as well as true-or-false quizzes in each chapter. Chapters include: The Problem Solver in You Using Scientific Thinking to Solve Problems Using Creative Thinking to Solve Problems Obstacles to Problem Solving Identify and Define the Problem Define Goals and Objectives Generate Solutions Develop a Plan of Action Follow Through Decision Making.

Effective Learning in the Life Sciences

How Students Can Achieve Their Full Potential John Wiley & Sons

Effective Learning in the Life Sciences is intended to help ensure that each student achieves his or her true potential by learning how to solve problems creatively in laboratory, field or other workplace setting. Each chapter describes state of the art approaches to learning and teaching and will include case studies, worked examples and a section that lists additional online and other resources. All of the chapters are written from the perspective both of students and academics and emphasize and embrace effective scientific method throughout. This title also draws on experience from a major project conducted by the Centre for Bioscience, with a wide range of collaborators, designed to identify and implement creative teaching in bioscience laboratories and field settings. With a strong emphasis on students thinking for themselves and actively learning about their chosen subject Effective Learning in the Life Sciences provides an invaluable guide to making the university experience as effective as possible.

Cracking Creativity

The Secrets of Creative Genius Ten Speed Press

From the bestselling author of Thinkertoys, this follow up brings innovative creative thinking techniques within reach, giving you the tools to tackle everyday challenges in new ways. Internationally renowned business creativity expert, Michael Michalko will show you how creative people think—and how to put their secrets to work for you in business and in your personal life. You don't have to be a genius to solve problems like one. Michalko researched and analyzed hundreds of history's greatest thinkers across disciplines—from Leonardo da Vinci to Pablo Picasso—to bring the best of their techniques together and to

teach you how to apply them in your own life. *Cracking Creativity* is filled with exercises and anecdotes that will soon have you looking at problems and seeing many different solutions.

Skills Training in Communication and Related Topics: Communicating with patients, colleagues, and communities *Radcliffe Publishing*

This book equips trainees with the skills needed to communicate effectively with patients, colleagues and the community, employing a 'learning by doing' approach for effective and engaging learning. It is designed for practice leaders, hospital leaders and public health professionals helping health care professionals upgrade their skills, and especially for faculty members who teach students and residents. Featuring more than 100 exercises ideal for use in a variety of training situations, this book takes into consideration the often limited training time available for non-clinical topics. Exercises range in length from minutes to over an hour, whilst a selection grid allows trainers and educators to select the right exercises to cover topics in the available time.

The Creative Problem Solver

12 tools to solve any business challenge *Pearson UK*

Problem solving tools to solve any business challenge. Using proven, innovative techniques from some major players in the business world, this is the go-to book for every professional who wants to find better answers to their business challenges.

Creative Thinking For Dummies *John Wiley & Sons*

Creative thinking made easy Being creative can be tough - and trying to come up with great ideas under pressure can leave the great ideas under wraps! *Creative Thinking For Dummies* helps you apply creative thinking techniques to everything you touch,

whether it's that novel you have inside you or the new business idea you've had that will make you the next hot entrepreneur ??? or anything in between. *Creative Thinking For Dummies* is a practical, hands-on guide packed with techniques and examples of different ways to think creatively. It covers a range of techniques, including brainstorming, lateral thinking, mind mapping, synectics, drawing and doodling your way to great ideas, meditation and visualization, word and language games, and divergent thinking. See the world in a different way, and realise that you are surrounded by creative inspiration Brainstorm new ideas successfully and try out some lateral thinking exercises Open your mind to a new way of thinking and nail down those great ideas Discover creative thinking techniques using games, words, drawings, and storytelling Let creativity enhance all aspects of your life, whether developing your personal skills, becoming more professionally effective, or using creative thinking techniques to help your children develop their creative minds You'll soon discover that everybody, including you, has a wealth of creative potential within—you just need to tap into it!

Handbook of Design in Educational Technology *Routledge*

The *Handbook of Design in Educational Technology* provides up-to-date, comprehensive summaries and syntheses of recent research pertinent to the design of information and communication technologies to support learning. Readers can turn to this handbook for expert advice about each stage in the process of designing systems for use in educational settings; from theoretical foundations to the challenges of implementation, the process of evaluating the impact of the design and the manner in which it might be further developed and disseminated. The volume is organized into the following four sections: Theory, Design, Implementation, and Evaluation. The more than forty chapters reflect the international and interdisciplinary nature of the educational technology design research field.