

The Periodic Table A Field Guide To Elements Paul Parsons

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Microsoft Dynamics 365 Business Central Field Guide - Erik Hougaard 2019-08-31

A companion book for implementing Microsoft Dynamics 365 Business Central. Now updated for the 2019 Wave 2 release. Targeted end-users, super-users and administrators, this book covers many of the challenges you're faced when implementing a cloud-based ERP system. From setting up the system and creating the first company, to user customizations and integration. Business Central used to be Dynamics NAV and before that Navision. NAV has always been a partner-driven application. Customers buy the software at a partner, and the partner helps with implementation. A great model that has worked for over a million users across the globe. Now Business Central is a cloud offering; there's no longer an installation. You no longer need an IT guy to install it and then a consultant to help you set it up. You can do that yourself. Most customers still chose to get the consultant help to make sure you're doing it right and to ensure a great start. This book is written to help customers who venture into Business Central, with or without external help. Written to help understand the system and ensure a great experience starting with Business Central. The book is not written to be read from cover to cover. Instead, it's meant to be a Field Guide. A companion book to help you through the implementation. And later, when you need information on a specific topic or if you need a bit of inspiration. The documentation from Microsoft is pretty good, and I'll provide links for deep dive and background information. Business Central covers a vast area of functionality, and the book includes the areas and issues I encounter in my daily work with Business Central customers. I'll add new chapters and details based on my experience and reader feedback. I'm using an English language layer on my Business Central throughout this book. If your Business Central is not in English, switch temporarily to English in My Settings to more comfortable being able to follow the instructions. If you cannot find the answer you need in the book, feel free to contact me. I'm always open to suggestions for the next topic.

A Field Guide to Lucid Dreaming - Dylan Tuccillo 2013-09-10

Imagine being able to fly. Walk through walls. Shape-shift. Breathe underwater. Conjure loved ones—or total strangers—out of thin air. Imagine experiencing your nighttime dreams with the same awareness you possess right now—fully functioning memory, imagination, and self-awareness. Imagine being able to use this power to be more creative, solve problems, and discover a deep sense of well-being. This is lucid dreaming—the ability to know you are dreaming while you are in a dream, and then consciously explore and change the elements of the dream. A Field Guide to Lucid Dreaming, with its evocative retro illustrations, shows exactly how to do it. Written by three avid, experienced lucid dreamers, this manual for the dream world takes the reader from step one—learning how to reconnect with his or her dreams—through the myriad possibilities of what can happen once the dreamer is lucid and an accomplished oneironaut (a word that comes from the Greek oneira, meaning dreams, and nautis, meaning sailor). Readers will learn about the powerful REM sleep stage—a window into lucid dreams. Improve dream recall by keeping a journal. The importance of reality checks, such as “The Finger”—during the day, try to pass your finger through your palm; then, when you actually do it successfully, you’ll know that you’re dreaming. And once you become lucid, how to make the most of it. Every time you dream, you are washing up on the shores of your own inner landscape. Learn to explore a strange and thrilling world with A Field Guide to Lucid Dreaming.

Field Guide to Infrared Optical Materials - Alan Symmons 2021

"Today's SWIR, MWIR, LWIR and multispectral technologies cover a wide range of commercial and military

applications and continue to rapidly expand in almost every aspect of our lives. This Field Guide focuses on the most common infrared crystals and glasses used in these systems, from their manufacturing methods through modern optical fabrication technologies to the end-use applications. Detailed optical, crystallographic, mechanical, chemical, and thermal properties of the most popular infrared materials are reviewed in detail along with process flows and relative comparisons. The Field Guide to Infrared Optical Materials provides a concise and convenient resource for those interested in the materials used in infrared optical systems"--

The 99% Invisible City - Roman Mars 2020-10-06

A NEW YORK TIMES, WASHINGTON POST, USA TODAY, AND PUBLISHERS WEEKLY BESTSELLER “[A] diverse and enlightening book . . . The 99% Invisible City is altogether fresh and imaginative when it comes to thinking about urban spaces.” —The New York Times Book Review “Here is a field guide, a boon, a bible, for the urban curious. Your city’s secret anatomy laid bare—a hundred things you look at but don’t see, see but don’t know. Each entry is a compact, surprising story, a thought piece, an invitation to marvel.

Together, they are almost transformative. To know why things are as they are adds a satisfying richness to daily existence. This book is terrific, just terrific.” —Mary Roach, New York Times bestselling author of *Stiff*, *Grunt*, and *Gulp* “The 99% Invisible City brings into view the fascinating but often unnoticed worlds we walk and drive through every day, and to read it is to feel newly alive and aware of your place in the world. This book made me laugh, and it made me cry, and it reminded me to always read the plaque.”

—John Green, New York Times bestselling author of *The Fault in Our Stars* and *Turtles All The Way Down* A beautifully designed guidebook to the unnoticed yet essential elements of our cities, from the creators of the wildly popular 99% Invisible podcast Have you ever wondered what those bright, squiggly graffiti marks on the sidewalk mean? Or stopped to consider why you don't see metal fire escapes on new buildings? Or pondered the story behind those dancing inflatable figures in car dealerships? 99% Invisible is a big-ideas podcast about small-seeming things, revealing stories baked into the buildings we inhabit, the streets we drive, and the sidewalks we traverse. The show celebrates design and architecture in all of its functional glory and accidental absurdity, with intriguing tales of both designers and the people impacted by their designs. Now, in *The 99% Invisible City: A Field Guide to Hidden World of Everyday Design*, host Roman Mars and coauthor Kurt Kohlstedt zoom in on the various elements that make our cities work, exploring the origins and other fascinating stories behind everything from power grids and fire escapes to drinking fountains and street signs. With deeply researched entries and beautiful line drawings throughout, *The 99% Invisible City* will captivate devoted fans of the show and anyone curious about design, urban environments, and the unsung marvels of the world around them.

[A Field Guide to Getting Lost](#) - Rebecca Solnit 2006-06-27

“An intriguing amalgam of personal memoir, philosophical speculation, natural lore, cultural history, and art criticism.” —Los Angeles Times From the award-winning author of *Orwell's Roses*, a stimulating exploration of wandering, being lost, and the uses of the unknown Written as a series of autobiographical essays, *A Field Guide to Getting Lost* draws on emblematic moments and relationships in Rebecca Solnit's life to explore issues of uncertainty, trust, loss, memory, desire, and place. Solnit is interested in the stories we use to navigate our way through the world, and the places we traverse, from wilderness to cities, in finding ourselves, or losing ourselves. While deeply personal, her own stories link up to larger stories, from

captivity narratives of early Americans to the use of the color blue in Renaissance painting, not to mention encounters with tortoises, monks, punk rockers, mountains, deserts, and the movie *Vertigo*. The result is a distinctive, stimulating voyage of discovery.

Book Launch Formula - Justin Ledford 2017-04-30

How To Write, Publish, & Market Your First Non-Fiction Book Around Your Full Time Schedule Become an Authority, Build Your Brand, & Create A Passive Income

Elements - Theodore Gray 2012-04-03

The Elements has become an international sensation, with over one million copies in-print worldwide. The highly-anticipated paperback edition of The Elements is finally available. An eye-opening, original collection of gorgeous, never-before-seen photographic representations of the 118 elements in the periodic table. The elements are what we, and everything around us, are made of. But how many elements has anyone actually seen in pure, uncombined form? The Elements provides this rare opportunity. Based on seven years of research and photography, the pictures in this book make up the most complete, and visually arresting, representation available to the naked eye of every atom in the universe. Organized in order of appearance on the periodic table, each element is represented by a spread that includes a stunning, full-page, full-color photograph that most closely represents it in its purest form. For example, at -183°C, oxygen turns from a colorless gas to a beautiful pale blue liquid. Also included are fascinating facts, figures, and stories of the elements as well as data on the properties of each, including atomic weight, density, melting and boiling point, valence, electronegativity, and the year and location in which it was discovered. Several additional photographs show each element in slightly altered forms or as used in various practical ways. The element's position on the periodic table is pinpointed on a mini rendering of the table and an illustrated scale of the element's boiling and/or melting points appears on each page along with a density scale that runs along the bottom. Packed with interesting information, this combination of solid science and stunning artistic photographs is the perfect gift book for every sentient creature in the universe. Includes a tear-out poster of Theodore Gray's iconic Photographic Periodic Table!

Lead - Donna B. McKinney 2018-12-15

In ancient times, humans used lead in everything from cooking tools to water pipes to cosmetics. That was before scientists discovered that lead is poisonous for humans. Today lead is still useful, but we use it with more care in items that hold corrosive materials, like car batteries that hold acid, or to protect us from harmful radiation, like in X-ray machines or nuclear reactors. Pb is lead's symbol, from the Latin word "plumbum." This book will help students better understand the basics of chemistry as they learn what lead is and how this toxic, but important, metal is used in our world.

Elemental - Tim James 2019-03-26

If you want to understand how our world works, the periodic table holds the answers. When the seventh row of the periodic table of elements was completed in June 2016 with the addition of four final elements—nihonium, moscovium, tennessine, and oganesson—we at last could identify all the ingredients necessary to construct our world. In Elemental, chemist and science educator Tim James provides an informative, entertaining, and quirkily illustrated guide to the table that shows clearly how this abstract and seemingly jumbled graphic is relevant to our day-to-day lives. James tells the story of the periodic table from its ancient Greek roots, when you could count the number of elements humans were aware of on one hand, to the modern alchemists of the twentieth and twenty-first centuries who have used nuclear chemistry and physics to generate new elements and complete the periodic table. In addition to this, he answers questions such as: What is the chemical symbol for a human? What would happen if all of the elements were mixed together? Which liquid can teleport through walls? Why is the medieval dream of transmuting lead into gold now a reality? Whether you're studying the periodic table for the first time or are simply interested in the fundamental building blocks of the universe—from the core of the sun to the networks in your brain—Elemental is the perfect guide.

The Periodic Table Book - DK 2017-03-30

The Periodic Table Book is the perfect visual guide to the chemical elements that make up our world. This eye-catching encyclopedia takes children on a visual tour of the 118 chemical elements of the periodic table, from argon to zinc. It explores the naturally occurring elements, as well as the man-made ones, and

explains their properties and atomic structures. Using more than 1,000 full-colour photographs, The Periodic Table Book shows the many natural forms of each element, as well as a wide range of both everyday and unexpected objects in which it is found, making each element relevant for the child's world.

My Awesome Field Guide to Rocks & Minerals - Gary Lewis 2019-11-12

Everything you need to become a real rock hound! The world of rocks and minerals is massive, amazing, and full of cool new things to discover! A true identification guide for young geologists, My Awesome Field Guide to Rocks and Minerals helps you learn the skills you need to collect, identify, and catalogue your own treasures. Not only does this book teach you all about rocks and minerals, but it also gives you step-by-step guidelines for testing and determining what kind of rock or mineral you've found. My Awesome Field Guide to Rocks and Minerals even comes with a special notebook section to help you record data in the field. So get out there, gather cool looking samples, and figure out what they are! My Awesome Field Guide to Rocks and Minerals includes: Treasure all around--Amaze your friends and family and show them how you can pick up almost any rock or mineral and figure out what it is. Rocking fact sheets--Learn about 150 awesome rocks and minerals with handy fact sheets that are conveniently organized to help with identification. Your own field notebook--Record all your rock-hunting sample data on 50 "Field Notebook" pages that include cut-out numbers for numbering and cataloging! "What's this rock or mineral?" Now you'll know with My Awesome Field Guide to Rocks and Minerals!

[Don't go there. It's not safe. You'll die. And other more >> rational advice for overlanding Mexico & Central America](#) - 2012

Your complete guide for overlanding in Mexico and Central America. This book provides detailed and up-to-date information by country. It also includes 11 chapters of information for planning and preparing your trip and 9 chapters on what to expect while driving through Mexico and Central America. Completed by the authors of LifeRemotely.com this is the most comprehensive guide for driving the Pan American yet!

[Mystic Michigan](#) - Mark Jager 2011-04-12

Did you know that there is a stream in Michigan that actually disappears in to the ground?! What about the vanishing lake, underwater Indian trails or 400 foot big spring? Have you heard of Michigan's fantastic ice caves, headless living animal, or about the above ground cemeteries? As an offbeat tourist guide or a study reference to historical Michigan, all readers will enjoy discovering more of the true uniqueness about the state of Michigan. Learn about some unsolved scientific mysteries and strange historical facts, not to mention, a few interesting people. If you enjoyed Mystic Michigan, Mystic Michigan Part Two continues to explore actual natural phenomenon and strange oddities that exist all throughout this wonderful state, that you can actually visit and experience yourself. There are maps throughout and a directory to better help you locate and obtain information about locations and topics.

[How to Write a Book in 24 Hours](#) - James Green 2015-03-09

Best-selling author James Green shares his own ground-breaking 6-step formula for producing top quality, highly successful non-fiction books in just 24 hours. 24 Hour Bestseller: How to Write a Book in 24 Hours will provide you with a 6-step writing blueprint that you can set on full 'rinse and repeat mode' providing you with a step-by-step recipe for writing success. After becoming disillusioned with his own writing struggles, the author decided to completely re-engineer the entire process, providing a plan for: generating and validating new book ideas; creating comprehensive book outlines; writing in a quick, easy and enjoyable way; publishing the completed books effortlessly. Inside 24 Hour Bestseller, you will learn: How to stir your creative juices to constantly think up new book ideas; How to validate and evaluate your ideas for maximum profit; How to create a solid book outline that will make the writing process a breeze; How to turn your writing into a fun game; How to stay motivated; When to outsource (and when not to); How to craft your book title and description for maximum impact; How to publish your book to KDP easily; Book pricing strategies; And much more... If you've become overwhelmed and disillusioned with the whole writing process, this book will be your guide and your tonic, re-energizing your authoring efforts. You'll be more productive than ever, and most importantly, you will find writing enjoyable once again! Whether you're a complete novice and have never even written a book before, are struggling to come up with new book ideas, or are a seasoned author who simply needs some tips on how to write more effectively, then this book is for you. 24 Hour Bestseller will guide you step-by-step through the entire formula and get you

authoring for success once more!"

[The Periodic Table](#) - Eric Scerri 2019-10-21

The periodic table of elements is among the most recognizable image in science. It lies at the core of chemistry and embodies the most fundamental principles of science. In this new edition, Eric Scerri offers readers a complete and updated history and philosophy of the periodic table. Written in a lively style to appeal to experts and interested lay-persons alike, *The Periodic Table: Its Story and Its Significance* begins with an overview of the importance of the periodic table and the manner in which the term "element" has been interpreted by chemists and philosophers across time. The book traces the evolution and development of the periodic table from its early beginnings with the work of the precursors like De Chancourtois, Newlands and Meyer to Mendeleev's 1869 first published table and beyond. Several chapters are devoted to developments in 20th century physics, especially quantum mechanics and the extent to which they explain the periodic table in a more fundamental way. Other chapters examine the formation of the elements, nuclear structure, the discovery of the last seven infra-uranium elements, and the synthesis of trans-uranium elements. Finally, the book considers the many different ways of representing the periodic system and the quest for an optimal arrangement.

A Guide to the Elements - Albert Stwertka 2002-05-02

Presents the basic concepts of chemistry and explains complex theories before offering a separate article on each of the building blocks that make up the universe.

A Guide to the Birds of North Andros Island - Joseph Steensma 2016-02-29

The purpose of this guide is to help the user find birds on Andros Island and find the habitats that are ideal for certain species of birds. This book describes in detail the best places to find approximately 150 of the most common and/or most interesting birds found on the island. It is a 'must have' for any nature lover traveling to Andros Island. The book gives tips on bird spotting, how to identify the best areas for specific types of birds, and the vegetative zones preferred by each species. The book is also full of detailed coordinates to put birders on those habitats favored by certain species. Unlike most scientific writing, this text is full of humor and is as entertaining as it is informative.

[The Bushcraft Field Guide to Trapping, Gathering, and Cooking in the Wild](#) - Dave Canterbury 2016-10-01

What to eat, where to find it, and how to cook it! Renowned outdoors expert and New York Times bestselling author Dave Canterbury provides you with all you need to know about packing, trapping, and preparing food for your treks and wilderness travels. Whether you're headed out for a day hike or a weeklong expedition, you'll find everything you need to survive--and eat well--out in the wild. Canterbury makes certain you're set by not only teaching you how to hunt and gather, but also giving you recipes to make while on the trail. Complete with illustrations to accompany his instructions and a full-color photo guide of plants to forage and those to avoid, this is the go-to reference to keep in your pack. *The Bushcraft Field Guide to Trapping, Gathering, and Cooking in the Wild* helps you achieve the full outdoor experience. With it, you'll be prepared to set off on your trip and enjoy living off the land.

The Complete Practical Fishpond Book - Lloyd Mathews 2013-02-06

My aim in this book is to give essential advice on all the main aspects of freshwater garden fish ponds. I have tried to include some of the science of ponds while keeping the information easy to understand. Each chapter begins with an outline of the main points of the topic. Each point is then expanded on. My experience with ponds has mainly been in the warm temperate climate in Perth, Western Australia. The principles for fish ponds are similar worldwide but warm temperate climates like that of Perth intensify some of the problems in ponds. This book will therefore be particularly useful to pond owners in sunny climates. The book begins with pond design, starting with the position of the pond in the garden. I discuss the consequences of different pond sizes and depths, and of natural and artificial ponds. I talk about the advantages of a dual pond system. I give guidelines for these and for self-cleaning ponds. I also say why I recommend designing the pond with a sump, overflow, leaf skimmer, and automatic top-up valve. Lastly, I give my colour preference for the pond bottom and sides. Next, I advise on pond construction. Ponds can be built with concrete, bricks, rigid polyethylene, fibreglass or liners. I write about my experiences with ponds made from each of these materials and also my preferences for pipework materials. In the following chapter, I recommend various pumps, filters (including ultraviolet clarifiers), water features, underwater

lights and copper ionizers. Choosing the right equipment will give you the right effect for the lowest cost and for the least effort. The chapter on fish gives information on types of fish, especially goldfish and koi. I advise on when a new pond is ready for fish and on the number of fish a pond can support. I give information on the handling, transporting, and feeding of fish, and on diseases and predators. The next chapter delivers general information on water plants, why you should have them and their role in the ecology of the pond. Plants provide shade, oxygen, food, habitat and cover from predators. They filter toxins and excessive nutrients from the water. I give advice on keeping plants, including information on fertilizer and pests. Finally, I give recommendations for pond maintenance including a routine. My advice is directed at pumps, filters, pond cleanliness, exchanging water and maintaining the pH and hardness. The maintenance is largely directed at algae control. I discuss the various forms of nuisance algae and control methods for microalgae, blanket weed, and slime algae. Other advice includes information on water testing and water treatments. Maintaining good water quality is fundamental to the success of any fish pond. "Good" water quality means the water's suitability for its proposed purpose. Water quality is affected by every aspect of a pond, from its design and construction to its pumps, filters and maintenance. Each chapter of this book tells how each aspect of the pond affects the water. Every fish pond is different. The solutions to one pond's problems may be very different to another pond's.

Getting Around with Google Maps - John Michael Sly 2014-12-26

Follow this book chapter to chapter to learn how to use the Google Maps API. Written in a clear and easy to understand method, this book will show you actual uses for the Google Maps API beyond just placing a marker on a map.

[Mystery of the Periodic Table](#) - Benjamin D Wiker 2003-04-18

Leads the reader on a delightful and absorbing journey through the ages, on the trail of the elements of the Periodic Table as we know them today. He introduces the young reader to people like Von Helmholtz, Boyle, Stahl, Priestly, Cavendish, Lavoisier, and many others, all incredibly diverse in personality and approach, who have laid the groundwork for a search that is still unfolding to this day. The first part of Wiker's witty and solidly instructive presentation is most suitable to middle school age, while the later chapters are designed for ages 12-13 and up, with a final chapter somewhat more advanced. Illustrated by Jeanne Bendick and Ted Schluenderfritz.

[Rich Johnson's Guide to Trailer Boat Sailing](#) - Rich Johnson 2009-08

trailerable sailboat is the ideal way to explore the country ? wherever there is water. To make the most of this exciting lifestyle, owners of trailerable sailboats need three things ? an understanding of the boat and how to use it; knowledge about the tow vehicle and trailer used to transport the boat; and a spirited sense of adventure to live the dream. #13;#13; This book will help you get started. #13;#13; #13;

Teach Like a Champion Field Guide 2.0 - Doug Lemov 2016-08-04

The must-have companion workbook to the bestselling *Teach Like a Champion 2.0* *Teach Like a Champion Field Guide 2.0* is the teacher's hands-on guide to improving their craft. In *Teach Like a Champion 2.0*, veteran teaching coach Doug Lemov updated, improved upon, and replaced the original edition of this global bestseller, setting forth 62 of the most rigorously vetted and critically observed teaching techniques around. *Field Guide 2.0* is a practical workbook for these 62 techniques, outlining all the tools a teacher needs to make champion teaching a reality in their classroom starting now. Coauthored by fellow educators Joaquin Hernandez and Jennifer Kim, the book is a practical guide for adapting the techniques to fit classrooms and teachers everywhere. With over 75 video clips of the techniques in play and 100+ field-tested activities to boot, *Field Guide 2.0* is the professional development tool every school leader dreams of. It's the teaching playbook that every teacher, principal, and coach should have in their library, chock-full of actionable tools that unlock a teacher's potential so they can push their students to do the same! The updated '2.0' version of *Teach Like a Champion* written to update, improve upon and replace the original *Just like Teach Like a Champion Field Guide* helped educators put the original 49 techniques into practice, *Field Guide 2.0* is the ultimate resource for the 62 techniques in *Teach Like a Champion 2.0*. They're the most rigorous, champion-vetted techniques yet and this book takes you through them from top to bottom with the kind of clarity and breadth you've come to expect from the experts at *Teach Like a Champion*. The book includes: Practical approaches to each of the 62 techniques 75+ video clips with analysis of the

techniques in play in the classroom (note: for online access of this content, please visit my.teachlikeachampion.com) Hands-on activities to bring the 62 techniques from the page into the classroom Teach Like a Champion 2.0 is a book by educators for educators. It's about giving teachers what they need to share their strengths so that every teacher, from first year rookie to third-year veteran, can approach their classes with the skills they need for their students to succeed. Teach Like a Champion Field Guide 2.0 is the indispensable guide to getting there, one technique at a time.

The Periodic Table - Adrian Dingle 2014

The original Basher Science - made even better!

The Secret Life of the Periodic Table - Ben Still 2016-10-01

The Secret Life of the Periodic Table uncovers the fascinating stories behind the formulation of the table. It describes how and who discovered the 118 elements, and the competition and cooperation behind scientific advances. The character of the elements is brought to life in a bright and engaging way, making The Secret Life of the Periodic Table ideal for students and general readers. Spared the monotony of a school text, they can gain a basic understanding of the fundamentals of atomic science. The book covers all 118 elements in 14 chapters. They are: A brief guide to atomic physics Igor Mendeleev, arguably the most important formulator of the table, and significant others Hydrogen Alkali metals Alkaline Earth metal Transition metals Post-transition metals Metalloids Other non-metals Halogens Noble gases Lanthanoids Actinoids Transuranium elements. Each element description includes a fact box showing atomic number, atomic weight, radius, melting point, boiling point, density, and the year of its discovery and by whom. There are many sidebars, boxes and extended captions covering topics of interest, like Ernest Lawrence's 1931 cyclotron, early precursor to the 10-km radius Large Hydron Collider that he could not possibly have imagined. There is also fascinating trivia about the elements. For example, phosphorus was first isolated by an alchemist's search for gold in urine and in the 1920s, there was a fad for lethal radium cocktails. The Secret Life of the Periodic Table is accurate and entertaining, making it a helpful adjunct to student studies. General readers will find it an enjoyable trip into the world of chemistry and atomic science. It is an ideal purchase for science, middle school and general collections.

[A Field Guide to Getting Lost](#) - Joy McCullough 2020-04-14

"A cozy and enjoyable read." —Kirkus Reviews "The likable cast and relatable premise will resonate with readers grappling with the uncertainty of change." —Booklist A girl with a passion for science and a boy who dreams of writing fantasy novels must figure out how to get along now that their parents are dating in this lively, endearing novel. Sutton is having robot problems. Her mini-bot is supposed to be able to get through a maze in under a minute, but she must have gotten something wrong in the coding. Which is frustrating for a science-minded girl like Sutton—almost as frustrating as the fact that her mother probably won't be home in time for Sutton's tenth birthday. Luis spends his days writing thrilling stories about brave kids, but there's only so much inspiration you can find when you're stuck inside all day. He's allergic to bees, afraid of dogs, and has an overprotective mom to boot. So Luis can only dream of daring adventures in the wild. Sutton and Luis couldn't be more different from each other. Except now that their parents are dating, these two have to find some common ground. Will they be able to navigate their way down a path they never planned on exploring?

The Lost Elements - Marco Fontani 2015

In the mid-nineteenth century, chemists came to the conclusion that elements should be organized by their atomic weights. However, the atomic weights of various elements were calculated erroneously, and chemists also observed some anomalies in the properties of other elements. Over time, it became clear that the periodic table as currently comprised contained gaps, missing elements that had yet to be discovered. A rush to discover these missing pieces followed, and a seemingly endless amount of elemental discoveries were proclaimed and brought into laboratories. It wasn't until the discovery of the atomic number in 1913 that chemists were able to begin making sense of what did and what did not belong on the periodic table, but even then, the discovery of radioactivity convoluted the definition of an element further. Throughout its formation, the periodic table has seen false entries, good-faith errors, retractions, and dead ends; in fact, there have been more elemental "discoveries" that have proven false than there are current elements on the table. The Lost Elements: The Shadow Side of Discovery collects the most notable of these instances,

stretching from the nineteenth century to the present. The book tells the story of how scientists have come to understand elements, by discussing the failed theories and false discoveries that shaped the path of scientific progress. Chapters range from early chemists' stubborn refusal to disregard alchemy as legitimate practice, to the effects of the atomic number on discovery, to the switch in influence from chemists to physicists, as elements began to be artificially created in the twentieth century. Along the way, Fontani, Costa, and Orna introduce us to the key figures in the development of the periodic table as we know it. And we learn, in the end, that this development was shaped by errors and gaffs as much as by correct assumptions and scientific conclusions.

[A Hoser's Guide to Canadian History](#) - Kirt Purdy 2016-03

The great thing about being Canadian is simply this: we don't take ourselves too seriously, which works out pretty well because no one else on the planet takes us seriously, either. If you're reading this book, there's a good chance you're a Canadian. But what does that mean? There are the stereotypical nods, such as politeness and apologizing, but there's so much more! To be honest, you've probably taken part in (or at least talked about) hockey, poutine, curling, canoes, health care, snowshoes, parkas, camping, beer, road work, Canadian Tire, Slurpees, moose, maple syrup, and Tim Hortons in the last 24 hours. "A Hoser's Guide to Canadian History" is your ticket to even more things "Canadian" that you may have missed during your water-cooler discussions, online chats, or your seventeen-hour wait in the local emergency room. As you read this book, you'll discover new and exciting facts about Canada that simply weren't taught in school. As a History teacher, I found the need to spread the unvarnished truth of this great nation's past. People like Sir John "Eh" MacDonald, Tommy Douglas, and Pierre Trudeau all had a distinct impact on this great country of ours, and part of their stories are included in these pages. Even less-famous folks who helped to shape Canada got a mention: John Humphrey, Laura Secord, and Egerton Ryerson. (Yes, "Egerton" is a real name.) Canada has an exciting past, full of events that have brought us to where we are now. Like all countries, we have some things we'd like to forget, but most of those unpleasant moments happened because we had morons in Parliament, something that doesn't happen anymore. Canadians have no need to apologize for being nice, honest, and caring people. So, please enjoy this book, and if you don't, well, I'm sorry.

The Jewelry Maker's Field Guide - Helen Driggs 2013-11-15

Discover a thorough reference guide to metalworking tools and techniques with multiple demos, tutorials, cross-references, and supportive skill-building exercises and projects. Helen I. Driggs, senior editor for Lapidary Journal Jewelry Artist, brings her down-to-earth approach and strong metalworking knowledge base to this overview of basic and not-so-basic metalworking techniques. The Jewelry Maker's Field Guide walks you through the variety of metalworking tools available and offers guidance on setting up a studio, buying and organizing supplies, and determining what tools to buy and when. Organizing tools by basic functions, Helen offers a solid and logical overview of metalworking techniques and teaches sets of related skills, showing how different tools can sometimes achieve the same end. Each chapter includes stepped demos and applied techniques for using particular tools. The book culminates in projects that combine a variety of techniques and allow the reader to further apply and practice their metalworking skills. Get a solid foundation for understanding the basic (and not so basic) processes of metalwork!

[Exploring the Elements](#) - Isabel Thomas 2020-11-11

Science meets design in this comprehensive introduction to the chemical elements that make up our universe This artful and accessible guide to the periodic table -- the ultimate reference tool for scientists worldwide -- names all 118 chemical elements and helps young readers understand the remarkable ways we have learned to use them. Graphically stunning layouts feature each element's letter symbol and atomic number, exploring its attributes, characteristics, uses, and interesting stories behind its discovery. Complete with a comprehensive introduction, conclusion, and glossary, this is the perfect introduction to chemistry for inquisitive minds. Ages 8-14

[Wonderful Life with the Elements](#) - Bunpei Yorifuji 2012-09-12

From the brilliant mind of Japanese artist Bunpei Yorifuji comes Wonderful Life with the Elements, an illustrated guide to the periodic table that gives chemistry a friendly face. In this super periodic table, every element is a unique character whose properties are represented visually: heavy elements are fat, man-made

elements are robots, and noble gases sport impressive afros. Every detail is significant, from the length of an element's beard to the clothes on its back. You'll also learn about each element's discovery, its common uses, and other vital stats like whether it floats—or explodes—in water. Why bother trudging through a traditional periodic table? In this periodic paradise, the elements are people too. And once you've met them, you'll never forget them.

[Field Guide to the Deep Sky Objects](#) - Mike Inglis 2013-03-09

This star guide enables astronomers to choose a class of object, and for any month of the year find an observation list that begins with the easiest through to progressively more difficult targets. Following detailed descriptive summaries of each class of object, it includes extensive lists of deep-sky targets which are classified according to type of object. Amateur astronomers of all levels will find this book invaluable for its broad-ranging background material, its lists of fascinating objects, and for its power to improve practical observing skills while viewing many different types of deep-sky objects.

[The Periodic Table](#) - Paul Parsons 2013-08-01

The Periodic Table is one of the most recognizable images in science - and in our culture. Its 118 elements make up everything on our planet and in the entire universe. But how many of us actually know how to interpret its distinctive design? And what does its unique arrangement tell us about the behaviour of each element in the world around us? The Periodic Table looks at the fascinating story and surprising history of each of these elements, from the little-known uses of gold in medicine to that of arsenic as a wallpaper dye in the nineteenth-century and the development of the hydrogen bomb. Packed with interesting facts and figures and helpful illustrations, this accessible guide will help the armchair chemist navigate through the different groups of elements - and discover the world afresh.

[Field Guide to Solid State Physics](#) - Marek S. Wartak 2019

"This Field Guide covers the essential topics of solid state physics, including crystal structures and dynamics, band structures, quantum structures, semiconductors, superconductors, and magnetism. Essential equations and simple diagrams convey the principles that form the core of this field."--

The Elements - Tom Jackson 2017-09

Profiles every element on the periodic table and describes their properties, when they were discovered, and how they are used in household materials.

The CMO's Periodic Table - Drew Neisser 2015-11-17

Imagine how much you would learn if you could converse with 64 of the brightest minds in marketing. Now imagine if those conversations were focused on all the essential elements that go into being a top-notch chief marketing officer and organized into seven logical, intuitive categories. Now you can stop imagining, and start reading *The CMO's Periodic Table*, an essential resource for the modern marketer. Over the last five years, thanks in large part to his friends at The CMO Club, author Drew Neisser has interviewed over 100 marketing leaders at prominent companies such as American Express, Audi, Belkin, Black Duck Software, Converse, College Humor, D&B, Dow, and many more. These interviews, 64 of which are highlighted in this book, reflect the fundamental diversity of challenges and subsequent solution sets deployed by each. Though these interviews don't yield a magic formula, they offer something a bit more profound and definitely more fundamental—a compendium of elements that every marketer has or will need to examine in the very near future. Organized into a CMO-worthy periodic table modeled on the classic organization of the chemical elements, the chapters progress from basic challenges like research and

strategy, to internal issues like culture change and managing up, to advanced, highly volatile subjects like risk-taking and changing agencies.

Elementary - James M. Russell 2019-06-13

The periodic table, created in the early 1860s by Russian chemist Dmitri Mendeleev, marked one of the most extraordinary advances in modern chemistry. This basic visual aid helped scientists to gain a deeper understanding of what chemical elements really were: and, astonishingly, it also correctly predicted the properties of elements that hadn't been discovered at the time. Here, in the authoritative *Elementary*, James Russell uses his lively, accessible and engaging narrative to tell the story behind all the elements we now know about. From learning about the creation of the first three elements, hydrogen, lithium and helium, in the big bang, through to oxygen and carbon, which sustain life on earth - along with the many weird and wonderful uses of elements as varied as fluorine, arsenic, krypton and einsteinium - even the most unscientifically minded will be enthralled by this fascinating subject. Russell compellingly details these most basic building blocks of the universe, and the people who identified, isolated and even created them.

Corporate Bravery - Darrin Murriner 2015-10-01

American culture has become a culture of fear. Parenting methods and advertising messages scream for safety. Terrorism's threat and the government's response both tell us to take cover. And, of course, social media's unending streams perpetually magnify it all. In this societal context, our business cultures, too, have become cultures of fear. Mistrust is rising between management and co-workers, all seeking to protect personal interests. Advisors push us toward fear-based caution, not opportunity-seeking strategy. External influences -- from the media to regulators to competition -- focus us on avoiding risks rather than moving boldly ahead. *Corporate Bravery* is a book about freeing your business from being a culture of fear. It starts by considering fear's impact on decision-making. Then, it explores eight ways that fear can harm culture. Finally, through a three-step process, it shows how to foster a culture that supports engaged employees, provides opportunities for measured risk-taking and innovation, and rewards the brave leadership that drives business success.

[The Periodic Table](#) - Paul Parsons 2014-03-11

As one of the most recognizable images in science, the periodic table is ingrained in our culture. First drawn up in 1869 by Dmitri Mendeleev, its 118 elements make up not only everything on our planet but also everything in the entire universe. The Periodic Table looks at the fascinating story and surprising uses of each of those elements, whether solid, liquid or gas. From the little-known uses of gold in medicine to the development of the hydrogen bomb, each entry is accompanied by technical data (category, atomic number, weight, boiling point) presented in easy-to-read headers, and a colour coding system that helps the reader to navigate through the different groups of elements. A remarkable display of thought-provoking science and beautiful photography, this guide will allow the reader to discover the world afresh.

[The Periodic Table](#) - Sean Callery 2017-09-26

Looking at the periodic table can be a bit daunting... how can you possibly remember what 118 different elements do? The Periodic Table takes a new approach to this important science topic by offering a fully visual guide to the elements. Featuring eye-popping photography and an enormous wealth of cool facts, this is the only book you'll need to help you learn about the basic building blocks that make up everything in our world.