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Understanding Secured Transactions William H. Lawrence 1999

Dreaming Frankenstein Liz Lochhead 2011-05-01 The celebrated Scottish poet brings together nearly 20 years of work in this anthology—“a rare thing: a book of poems which sparkles” (Scotsman, UK). Liz Lochhead has built an impressive reputation as poet, playwright and performer attracting a large and admiring public. She gained worldwide acclaim as the Scots Makar—or Scotland’s National Poet—from 2011 to 2016, and before that served for six years as Poet Laureate of Glasgow. *Dreaming Frankenstein* and *Collected Poems* stands as a monument to her early work. The title volume combined with four other collections—*Memo for Spring* (1972), *Islands* (1978) and *Grimm Sisters* (1981)—provides a complete record of her poetry from 1967 to 1984. In *Dreaming Frankenstein*, human relationships are explored in all their depth and complexity. Attraction, pain, acceptance, loss, triumphs and deceptions all are made immediate through her imagery, acute powers of observation, and flair as a storyteller.

Pixel Detectors Leonardo Rossi 2006-01-18 Pixel detectors are a particularly important class of particle and radiation detection devices. They have an extremely broad spectrum of applications, ranging from high-energy physics to the photo cameras of everyday life. This book is a general purpose introduction into the fundamental principles of pixel detector technology and semiconductor-based hybrid pixel devices. Although these devices were developed for high-energy ionizing particles and radiation beyond visible light, they are finding new applications in many other areas. This book will therefore benefit all scientists and engineers working in any laboratory involved in developing or using particle detection.

Leader Business Thomas Henry Magness, IV. 2016-06-01 Every year, ineffective leadership costs American companies hundreds of millions of dollars in lost revenue, missed opportunities, preventable waste, and poor personnel decisions. How's your leadership? Are you getting the results you need? If not, maybe it's time for some basic training in leadership fundamentals. Drawing on over 25 years of military service, Tom Magness offers lessons learned in one of the world's foremost leadership laboratories: the U.S. Army. From the unforgiving environment of the National Training Center to Ranger training in the Florida swamps to the life-and-death stakes of combat operations in Iraq and Afghanistan, *Leader Business* examines how executives can use military leadership principles to achieve success in any organization. *Leader Business* takes the same proven four-step framework the Army uses to develop its leaders and applies it to the business world. You'll learn how to: * Plan an ambitious vision and get employee buy-in. * Prepare your team for "battle" by empowering them to take ACTION. * Execute winning strategies and adapt to changing conditions. * Learn the right lessons from every situation. These are the same battle-tested leadership practices used by the military leaders who earn high marks from the nation they serve. That's the power of *Leader Business*.

Mathematical Tasks Chris McGrane 2020-10-01 If we want our pupils to develop fluency, understanding and the ability to solve complex problems, then it is vital that teachers develop the ability to select, adapt and design appropriate mathematical tasks. In 'Mathematical Tasks: The Bridge Between Teaching and Learning', Chris McGrane and Mark McCourt a range of practical approaches, strategies and principles behind the design and effective use of tasks in the mathematics classroom that lead to all pupils becoming successful learners. First-hand interviews with world class mathematics education experts and practicing

teachers bring to life the ideas behind how tasks can act as a bridge between what the teacher wants the pupil to make sense of and what the pupil actually does makes sense of; tasks are how we enable pupils to enact mathematics - it is only by being mathematical that pupils can truly make connections across mathematical ideas and understand the bigger picture. This is a book for classroom teachers. Chris McGrane offers a range of practical examples for nurturing deep learning in mathematics that can be adapted and embedded in one's own classroom practice. This is also a book for those who are interested in the theory behind tasks. Chris and his interviewees examine the key role tasks play in shaping learning, teaching, curriculum and assessment. Suitable for teachers at all stages in their careers and teachers are encouraged to return to the book from time to time over the years to notice how their use of tasks in the classroom changes as they themselves develop.

Universal Design for Learning in the Classroom Tracey E. Hall 2012-07-31 "Clearly written and well organized, this book shows how to apply the principles of universal design for learning (UDL) across all subject areas and grade levels. The editors and contributors describe practical ways to develop classroom goals, assessments, materials, and methods that use UDL to meet the needs of all learners. Specific teaching ideas are presented for reading, writing, science, mathematics, history, and the arts, including detailed examples and troubleshooting tips. Particular attention is given to how UDL can inform effective, innovative uses of technology in the inclusive classroom. Subject Areas/Keywords: assessments, classrooms, content areas, curriculum design, digital media, educational technology, elementary, inclusion, instruction, learning disabilities, literacy, schools, secondary, special education, supports, teaching methods, UDL, universal design Audience: General and special educators in grades K-8, literacy specialists, school psychologists, administrators, teacher educators, and graduate students"--

The Writing Revolution Judith C. Hochman 2017-08-07 Why you need a writing revolution in your classroom and how to lead it *The Writing Revolution* (TWR) provides a clear method of instruction that you can use no matter what subject or grade level you teach. The model, also known as The Hochman Method, has demonstrated, over and over, that it can turn weak writers into strong communicators by focusing on specific techniques that match their needs and by providing them with targeted feedback. Insurmountable as the challenges faced by many students may seem, *The Writing Revolution* can make a dramatic difference. And the method does more than improve writing skills. It also helps: Boost reading comprehension Improve organizational and study skills Enhance speaking abilities Develop analytical capabilities *The Writing Revolution* is as much a method of teaching content as it is a method of teaching writing. There's no separate writing block and no separate writing curriculum. Instead, teachers of all subjects adapt the TWR strategies and activities to their current curriculum and weave them into their content instruction. But perhaps what's most revolutionary about the TWR method is that it takes the mystery out of learning to write well. It breaks the writing process down into manageable chunks and then has students practice the chunks they need, repeatedly, while also learning content.

Show Your Work! Austin Kleon 2014-03-06 In his New York Times bestseller *Steal Like an Artist*, Austin Kleon showed readers how to unlock their creativity by “stealing” from the community of other movers and shakers. Now, in an even more forward-thinking and necessary book, he shows how to take that critical next step on a creative journey—getting known. *Show Your Work!* is about why generosity trumps genius.

It's about getting findable, about using the network instead of wasting time "networking." It's not self-promotion, it's self-discovery—let others into your process, then let them steal from you. Filled with illustrations, quotes, stories, and examples, *Show Your Work!* offers ten transformative rules for being open, generous, brave, productive. In chapters such as *You Don't Have to Be a Genius*; *Share Something Small Every Day*; and *Stick Around*, Kleon creates a user's manual for embracing the communal nature of creativity— what he calls the "ecology of talent." From broader life lessons about work (you can't find your voice if you don't use it) to the etiquette of sharing—and the dangers of oversharing—to the practicalities of Internet life (build a good domain name; give credit when credit is due), it's an inspiring manifesto for succeeding as any kind of artist or entrepreneur in the digital age.

The Universally Designed Classroom David Howard Rose 2005 The inclusion of students with disabilities in the classroom is an crucial concern in education. *The Universally Designed Classroom* reveals how new technology, curricula, and trends are improving access to mainstream learning and closing achievement gaps.

Edexcel A Level Maths: Year 2 Katie Wood 2020-10-08 This Student Book provides full support for year two of an Edexcel A Level course. Written by a well recognised author team of experienced teachers, this book supports the major changes in assessment style. Using clear and concise explanations, and abundant worked examples, it covers all the pure, mechanics and statistics content needed.

Hierarchy, Markets and Networks Toby Greany 2018

A Compendium of Mathematical Methods Jo Morgan 2020-02-04 Brings together over one hundred different approaches from classrooms worldwide, exposing mathematicians to methods that they've never before encountered.

GIS Landslide Hiromitsu Yamagishi 2017-05-16 This book presents landslide studies using the geographic information system (GIS), which includes not only the science of GIS and remote sensing, but also technical innovations, such as detailed light detection and ranging profiles, among others. To date most of the research on landslides has been found in journals on topography, geology, geo-technology, landslides, and GIS, and is limited to specific scientific aspects. Although journal articles on GIS using landslide studies are abundant, there are very few books on this topic. This book is designed to fill that gap and show how the latest GIS technology can contribute in terms of landslide studies. In a related development, the GIS Landslide Workshop was established in Japan 7 years ago in order to communicate and solve the scientific as well as technical problems of GIS analyses, such as how to use GIS software and its functions. The workshop has significantly contributed to progress in the field. Included among the chapters of this book are GIS using susceptibility mapping, analyses of deep-seated and shallow landslides, measuring and visualization of landslide distribution in relation to topography, geological facies and structures, rivers, land use, and infrastructures such as roads and streets. Filled with photographs, figures, and tables, this book is of great value to researchers in the fields of geography, geology, seismology, environment, remote sensing, and atmospheric research, as well as to students in these fields.

GCSE Maths Edexcel Higher Student Book (Collins GCSE Maths) Kevin Evans 2021-09-20 Exam Board: Edexcel Level & Subject: GCSE Maths First teaching: September 2015 First exams: June 2017 Endorsed by Edexcel

Super Mario Manga Mania Yukio Sawada 2020-12-08 Experience the zany world of Super Mario through manga! Join Mario and pals in crazy adventures inspired by the hit video games! In this collection of short stories, Mario and Luigi go on adventures that showcase the fan-favorite characters of the Mario world in new, unconventional and hilarious ways. This compilation, handpicked from years of Mario comics in Japan, has never been available in English—until now!

Art, Inc. Lisa Congdon 2014-08-12 You don't have to starve to be an artist. Build a career doing what you love. In this practical guide book, professional artist Lisa Congdon reveals the many ways you can earn a living by making art—through illustration, licensing, fine art sales, print sales, teaching, and beyond. • Including industry advice from such successful art-world pros as Nikki McClure, Mark Hearld, Paula Scher, and more • This art and business book will equip you with the tools—and the confidence—to turn your passion into a profitable business. • Chapters on setting actionable goals, diversifying your income, copyrighting your work, promoting with social media, and so much more A thoughtful gift for young artists,

people interesting in making their passion a profession, and art and design school graduates. Lisa Congdon's bestselling books, online classes, and Instagram feed (beloved by 375,000+ fans) have inspired so many people to follow their creative passions. In this book Condon does what she does best—bring bold and colorful flair to smart, creative, down-to-earth advice and inspiration.

Perfect ICT Every Lesson Mark Anderson 2013-09-30 Technology is at the heart of learning for all of us and every teacher needs to be using social media, mobile technologies and transformational digital learning opportunities as an integral part of their range of strategies for helping students make the maximum progress. In this book in the 'Perfect' series, Mark Anderson, the ICT Evangelist, takes the technology-related elements of all the recent subject reports from Ofsted and using them offers clear and practical strategies that are proven to be successful in classrooms and offers up ideas for how they can be turned into a daily reality for all teachers.

Living the Sermon on the Mount Glen H Stassen 2014-12-11 In *Living the Sermon on the Mount*, theologian and award-winning author Glen H. Stassen helps us to see that the revolutionary ideas in the Sermon on the Mount about loving and caring for each other, living in peace, and acting justly are not unattainable ideals but a recipe for wholeness and healing in our human relationships and deliverance from the vicious cycles that we get stuck in.

The Heirs of Hammerfell Marion Zimmer Bradley 2013-01-27 Separated at birth... Nobody alive knew how the feud between Storn and Hammeffell had begun, but that didn't stop the fighting. When Storn's men burned Hammerfell's castle, his infant twin sons were separated, and each grew up thinking himself the rightful Duke of Hammerfell. Conn, raised in the mountains by his father's paxman, continued to fight the Storns. Alastair grew up with his mother in Thendara and planned to marry his cousin Floria. But when Conn came to Thendara to seek King Aiden's help and the twins encountered each other, it changed all their lives.

Marching to Different Drummers Pat Burke Guild 1998 Initially published in 1985, *Marching to Different Drummers* was one of the first sources to pull together information on what was a newly flourishing topic in education. Now, more than a decade later, this revised and expanded edition takes a fresh look at the subject. Among the new chapters are a discussion of the importance of knowledge about students' culture, learning styles in light of recent discoveries about the functioning of the brain, and how learning styles relate to Howard Gardner's theory of multiple intelligences. Part I defines style and looks at the history of style research. Part II describes applications of style in seven areas, illustrated through the research models of Carl Jung, Herman A. Witkin, Walter Barbe and Raymond Swassing, Rita Dunn and Kenneth Dunn, Anthony Gregorc, Bernice McCarthy, and Howard Gardner. Part III identifies common questions and discusses implementation and staff development. A comprehensive annotated bibliography sets the stage for further study. Authors Pat Burke Guild and Stephen Garger have spent nearly 25 years studying styles, applying its research, teaching about styles, and listening to students and educators talk about styles. Their extensive experience in teacher education over the past decade grounds the theory in the second edition of *Marching to Different Drummers* with a practicality that all educators will value.

Neil Armstrong Jay Barbree 2014-07-08 Much has been written about Neil Armstrong, America's modern hero and history's most famous space traveler. Yet shy of fame and never one to steal the spotlight Armstrong was always reluctant to discuss his personal side of events. Here for the first time is the definitive story of Neil's life of flight he shared for five decades with a trusted friend - Jay Barbree. Working from 50 years of conversations he had with Neil, from notes, interviews, NASA spaceflight transcripts, and remembrances of those Armstrong trusted, Barbree writes about Neil's three passions - flight, family, and friends. This is the inside story of Neil Armstrong from the time he flew combat missions in the Korean War and then flew a rocket plane called the X-15 to the edge of space, to when he saved his Gemini 8 by flying the first emergency return from Earth orbit and then flew Apollo-Eleven to the moon's Sea of Tranquility. Together Neil and Jay discussed everything, from his love of flying, to the war years, and of course his time in space. The book is full of never-before-seen photos and personal details written down for the first time, including what Armstrong really felt when he took that first step on the moon, what life in NASA was like, his relationships with the other astronauts, and what he felt the future of space exploration should be. As the only reporter to have covered all 166 American astronaut flights and moon landings Jay knows these

events intimately. Neil Armstrong himself said, "Barbree is history's most experienced space journalist. He is exceptionally well qualified to recall and write the events and emotions of our time." Through his friendship with Neil and his dedicated research, Barbree brings us the most accurate account of his friend's life of flight, the book he planned for twenty years.

Creative Confidence Tom Kelley 2013-10-15 IDEO founder and Stanford d.school creator David Kelley and his brother Tom Kelley, IDEO partner and the author of the bestselling *The Art of Innovation*, have written a powerful and compelling book on unleashing the creativity that lies within each and every one of us. Too often, companies and individuals assume that creativity and innovation are the domain of the "creative types." But two of the leading experts in innovation, design, and creativity on the planet show us that each and every one of us is creative. In an incredibly entertaining and inspiring narrative that draws on countless stories from their work at IDEO, the Stanford d.school, and with many of the world's top companies, David and Tom Kelley identify the principles and strategies that will allow us to tap into our creative potential in our work lives, and in our personal lives, and allow us to innovate in terms of how we approach and solve problems. It is a book that will help each of us be more productive and successful in our lives and in our careers.

Yield gap analysis of field crops Food and Agriculture Organization of the United Nations 2018-06-29 To feed a world population that will exceed 9 billion by 2050 requires an estimated 60% increase over current primary agricultural productivity. Closing the common and often large gap between actual and attainable crop yield is critical to achieve this goal. To close yield gaps in both small and large scale cropping systems worldwide we need (1) definitions and techniques to measure and model yield at different levels (actual, attainable, potential) and different scales in space (field, farm, region, global) and time (short and long term); (2) identification of the causes of gaps between yield levels; (3) management options to reduce the gaps where feasible and (4) policies to favour adoption of sustainable gap-closing solutions. The aim of this publication is to critically review the methods for yield gap analysis, hence addressing primarily the first of these four requirements, reporting a wide-ranging and well-referenced analysis of literature on current methods to assess productivity of crops and cropping systems.

The Boy Who Grew Dragons Andy Shepherd 2020-02-04 "'The Boy Who Grew Dragons' is good-hearted fantasy fun."-New York Times Book Review "This gently funny title is a must-purchase for public libraries, and a great recommendation for readers of all ages"-School Library Journal, STARRED REVIEW "Never has so much toilet humor been so charming."-Kirkus Reviews "Readers will be eager for more."-Booklist This hilarious middle-grade novel with illustrations throughout sees Tomas discover that he can grow dragons in his own garden! When Tomas discovers a strange old tree at the bottom of his grandfather's garden, he doesn't think much of it. But he takes the funny fruit from the tree back into the house and gets the shock of his life when a tiny dragon hatches! The tree is a dragon fruit tree, and Tomas now has his very own dragon, Flicker! While Tomas finds out that life with Flicker is fun, he also finds that it is very...unpredictable. Yes, dragons are wonderful, but they also set fire to your toothbrush and leave your underwear hanging from the TV antenna. Tomas has to learn how to look after Flicker---and quickly! And then something extraordinary happens: More dragon fruits appear on the tree! Now it's official, Tomas is growing dragons.

The Differentiated Classroom Carol Ann Tomlinson 2014-05-25 Although much has changed in schools in recent years, the power of differentiated instruction remains the same—and the need for it has only increased. Today's classroom is more diverse, more inclusive, and more plugged into technology than ever before. And it's led by teachers under enormous pressure to help decidedly unstandardized students meet an expanding set of rigorous, standardized learning targets. In this updated second edition of her best-selling classic work, Carol Ann Tomlinson offers these teachers a powerful and practical way to meet a challenge that is both very modern and completely timeless: how to divide their time, resources, and efforts to effectively instruct so many students of various backgrounds, readiness and skill levels, and interests. With a perspective informed by advances in research and deepened by more than 15 years of implementation feedback in all types of schools, Tomlinson explains the theoretical basis of differentiated instruction, explores the variables of curriculum and learning environment, shares dozens of instructional strategies, and then goes inside elementary and secondary classrooms in nearly all subject areas to

illustrate how real teachers are applying differentiation principles and strategies to respond to the needs of all learners. This book's insightful guidance on what to differentiate, how to differentiate, and why lays the groundwork for bringing differentiated instruction into your own classroom or refining the work you already do to help each of your wonderfully unique learners move toward greater knowledge, more advanced skills, and expanded understanding. Today more than ever, *The Differentiated Classroom* is a must-have staple for every teacher's shelf and every school's professional development collection.

Advanced Mathematics for FPGA and DSP Programmers Tim Cooper 2014-03-01 *Advanced Mathematics for FPGA and DSP Programmers* covers the mathematical concepts involved in FPGA and DSP programming that can make or break a project. Coverage includes Numbers and Representation, Signals and Noise, Complex Arithmetic, Statistics, Correlation and Convolution, Frequencies, The FFT, Filters, Decimating and Interpolating, Practical Applications, Dot Product Applications, and a glossary of DSP arithmetical terms. About the Author Tim Cooper has been developing real-time embedded and signal processing software for commercial and military applications for over 30 years. Mr. Cooper has authored numerous device drivers, board support packages, and signal processing applications for real-time-operating systems. Mr. Cooper has also authored high-performance signal processing libraries based on SIMD architectures. Other signal processing experience includes MATLAB algorithm development and verification, and working with FPGA engineers to implement and validate signal processing algorithms in VHDL. Much of Mr. Cooper's experience involves software development for systems having hard real-time requirements and deeply embedded processors, where software reliability, performance, and latency are significant cost drivers. Such systems typically require innovative embedded instrumentation that collects performance data without competing for processing resources. Mr. Cooper holds a Bachelor of Science in Computer Sciences and a Master's degree in Computer and Electronics Engineering from George Mason University.

ART/WORK Heather Darcy Bhandari 2009-03-24 Find Out What They Didn't Teach You in Art School The most comprehensive guide of its kind, *Art/Work* gives artists of every level the tools they need to make it in an art world so competitive one dealer likens it to "The Sopranos, except nobody gets killed." Whether you're an art school grad looking for a gallery, a mid-career artist managing a busy studio, or someone just thinking about becoming a professional artist, this indispensable resource will help you build your career and protect yourself along the way. Unlike other creative professionals, visual artists don't have agents or managers. You have to do it all yourself, at least until you find gallery representation -- and even then, there are important business and legal issues you need to understand to stay in control of your career and ensure you're being treated fairly. Heather Darcy Bhandari, a gallery director, and Jonathan Melber, an arts lawyer, walk you through these issues so that you can essentially act as your own manager and agent. They show you, for example, how to tackle business basics such as tracking inventory and preparing invoices; how to take legal precautions like registering a copyright and drafting consignment forms; how to use promotional tools like websites and business cards; and how to approach career decisions such as choosing the right venue to show your work. In addition to drawing on their own experiences, Bhandari and Melber interviewed nearly one hundred curators, dealers, and other arts professionals, in cities across the country, about what they expect from and look for in artists. The authors also talked to a host of artists about their careers and the lessons they've learned navigating the art world. The book is full of their entertaining anecdotes and candid advice. No matter what kind of artist you are -- or want to be -- this book will help you. *Art/Work* covers everything you need to know to succeed, saving you from having to learn it all the hard way -- and letting you spend more time making art.

Rapid School Improvement Tony McAleavy 2016

How to Differentiate Instruction in Mixed-ability Classrooms Carol A. Tomlinson 2001 Offers a definition of differentiated instruction, and provides principles and strategies designed to help teachers create learning environments that address the different learning styles, interests, and readiness levels found in a typical mixed-ability classroom.

Proxies Dylan Mulvin 2021-08-17 How those with the power to design technology, in the very moment of design, are allowed to imagine who is included--and who is excluded--in the future. Our world is built on an array of standards we are compelled to share. In *Proxies*, Dylan Mulvin examines how we arrive at those

standards, asking, "To whom and to what do we delegate the power to stand in for the world?" Mulvin shows how those with the power to design technology, in the very moment of design, are allowed to imagine who is included--and who is excluded--in the future. For designers of technology, some bits of the world end up standing in for other bits, standards with which they build and calibrate. These "proxies" carry specific values, even as they disappear from view. Mulvin explores the ways technologies, standards, and infrastructures inescapably reflect the cultural milieus of their bureaucratic homes. Drawing on archival research, he investigates some of the basic building-blocks of our shared infrastructures. He tells the history of technology through the labor and communal practices of, among others, the people who clean kilograms to make the metric system run, the women who pose as test images, and the actors who embody disease and disability for medical students. Each case maps the ways standards and infrastructure rely on prototypical ideas of whiteness, able-bodiedness, and purity to control and contain the messiness of reality. Standards and infrastructures, Mulvin argues, shape and distort the possibilities of representation, the meaning of difference, and the levers of change and social justice.

Leadership for Differentiating Schools & Classrooms Carol A. Tomlinson 2000 This book explores how school leaders can develop responsive, personalized, and differentiated classrooms. Differentiation is simply a teacher attending to the learning needs of a particular student or small group of students, rather than teaching a class as though all individuals in it were basically alike.

AQA GCSE English Language: AQA GCSE English Language Student Book 1 Helen Backhouse 2015-01-01 This book develops the reading and writing skills that students will be assessed on in the exams. Using a thematic approach that focuses on the AOs, with SPAG delivered in context, this book supports students of all abilities. Peer and self-assessment activities, end-of-chapter assessments and sample exam papers allow progress to be monitored.

Neural Networks for Pattern Recognition Christopher M. Bishop 1995-11-23 Statistical pattern recognition; Probability density estimation; Single-layer networks; The multi-layer perceptron; Radial basis functions; Error functions; Parameter optimization algorithms; Pre-processing and feature extraction; Learning and generalization; Bayesian techniques; Appendix; References; Index.

Self-Narrative and Pedagogy Mike Hayler 2017-04-18 In this book, teachers from a variety of backgrounds reflect upon their journeys into and within teaching to discuss the impact of their diverse experiences on the ways in which they teach. The authors adopt a variety of autoethnographic approaches in telling stories of transition and profound transformation as they each discuss how certain events in their lives have shaped their professional identities and methods of teaching. In telling their stories they also tell stories of the culture and process of education. This offers the opportunity to consider the narratives as examples of how individuals and groups respond in different ways to institutional and national policies on education. In these chapters, the authors offer illumination from a number of perspectives, of how practitioners of education make meaning of their lives and work in our changing times. By capturing these personal stories, this book will inform and support readers who are studying to become teachers and those already working in education by developing their understanding and empathy with the role.

Autoethnography can develop self-knowledge and understanding in the reader and writer of such texts, offering unique insights and individual ways of being that will benefit students and staff in a range of educational settings. This book values the telling and sharing of stories as a strategy for enabling teachers to learn from one another and help them to feel more supported. The book will be useful for teachers and teacher educators, students of education, and all researchers interested in autoethnography and self-narrative.

Handbook of Simulation Jerry Banks 1998-09-14 The only complete guide to all aspects and uses of simulation-from the international leaders in the field There has never been a single definitive source of key information on all facets of discrete-event simulation and its applications to major industries. The Handbook of Simulation brings together the contributions of leading academics, practitioners, and software developers to offer authoritative coverage of the principles, techniques, and uses of discrete-event simulation. Comprehensive in scope and thorough in approach, the Handbook is the one reference on discrete-event simulation that every industrial engineer, management scientist, computer scientist, operations manager, or operations researcher involved in problem-solving should own, with an in-depth

examination of: * Simulation methodology, from experimental design to data analysis and more * Recent advances, such as object-oriented simulation, on-line simulation, and parallel and distributed simulation * Applications across a full range of manufacturing and service industries * Guidelines for successful simulations and sound simulation project management * Simulation software and simulation industry vendors

Curriculum Making in Europe Mark Priestley 2021-01-20 In the context of profound social, political and technological changes, recent global trends in education have included the emergence of new forms of curriculum policy. Addressing a gap in the literature, this book investigates the ways in which curriculum policy is influenced, formulated, and enacted in a number of countries-cases in Europe.

The Immortal Life of Henrietta Lacks Rebecca Skloot 2010-02-02 #1 NEW YORK TIMES BESTSELLER • "The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly."—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE "MOST INFLUENTIAL" (CNN), "DEFINING" (LITHUB), AND "BEST" (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE'S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first "immortal" human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb's effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta's family did not learn of her "immortality" until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta's daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn't her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, *The Immortal Life of Henrietta Lacks* captures the beauty and drama of scientific discovery, as well as its human consequences.

Teaching Every Student in the Digital Age David Howard Rose 2002 Ensuring that all students achieve the same high standard of learning would be much easier if you could quickly and easily customize lesson plans and curriculum materials to each student's needs, interests, and skills level. Here's a book that explains how to make that ideal a reality. Explore the concept of Universal Design for Learning and how it can help you meet standards while you address the unique needs of each student. Drawing from brain research and the power of digital technology, the authors explain how to - Set appropriate goals for every student. - Choose the teaching methods and materials that give every student optimum instructional support. - Ensure the fair and accurate assessment of every student's progress. A school case study, a set of templates, and links to online resources get you started in applying the concepts to your classroom. A companion website offers interactive experiences, classroom videos, lessons, online discussions, interviews with experts, student case stories, resource links, and more in-depth information.

The Undergraduate Experience Peter Felten 2016-05-16 A clear, practical framework for getting higher education back on track *The Undergraduate Experience* is a guide for significantly improving student learning and institutional performance in the rapidly changing world of higher education. Written by

recognized experts in undergraduate education, this book encourages college and university leaders to rethink current practices that fragment the student experience, and to focus on creating powerful, integrated undergraduate learning for all students. Drawing from their own deep experience and the latest research, the authors reveal key principles that enable institutional change and enhance student outcomes in any higher education setting. Coverage includes high-impact practices for engagement, the importance of strategic leadership, the necessity of setting and maintaining high expectations, and insight on fostering excellence through systematic planning. Through its core themes and action principles, this book can be a valuable resource for faculty, staff, administrators, and governing boards at all types of postsecondary institutions. The book provides a practical framework for achieving excellence in undergraduate education by focusing on: Learning Relationships Expectations Alignment Improvement Leadership The value of an undergraduate education is under greater scrutiny than ever before, and campus leaders must be able to convey the value of their institutions to students, boards, donors, and legislators. Is a college or university degree worth the increasing cost? Are today's students academically adrift? What's the difference between a degree and an education? Responding to these questions requires focused action by individuals and institutions. The Undergraduate Experience offers practical guidance for creating and sustaining excellence

in the face of disruption and change in higher education.

An Astrobiology Strategy for the Search for Life in the Universe National Academies of Sciences, Engineering, and Medicine 2019-04-20 Astrobiology is the study of the origin, evolution, distribution, and future of life in the universe. It is an inherently interdisciplinary field that encompasses astronomy, biology, geology, heliophysics, and planetary science, including complementary laboratory activities and field studies conducted in a wide range of terrestrial environments. Combining inherent scientific interest and public appeal, the search for life in the solar system and beyond provides a scientific rationale for many current and future activities carried out by the National Aeronautics and Science Administration (NASA) and other national and international agencies and organizations. Requested by NASA, this study offers a science strategy for astrobiology that outlines key scientific questions, identifies the most promising research in the field, and indicates the extent to which the mission priorities in existing decadal surveys address the search for life's origin, evolution, distribution, and future in the universe. This report makes recommendations for advancing the research, obtaining the measurements, and realizing NASA's goal to search for signs of life in the universe.