Bar Graphs Pbworks

Technological and knowledge diffusion through innovative networks / Beatriz Helena Neto, Jano Moreira de Souza and Jonice de Oliveira -- Knowledge flow networks and communities of practice for knowledge management / Rajiv Khosla ... [et al.] -- A case study of knowledge sharing in Finnish Laurea lab as a knowledge intensive organization / Abel Usoro and Grzegorz Majewski --The role of "BriDGE" SE in knowledge sharing: a case study of software offshoring from Japan to Vietnam / Nguyen Thu Huong and Umemoto Katsuhiro -- Factors influencing knowledge sharing in immersive virtual worlds: an empirical study with a second life group / Grzegorz Majewski and Abel Usoro -- Re-establishing grassroots inventors in national innovation system in less innovative Asian countries / C. N. Wickramasinghe ... [et al.] -- Knowledge management & collaboration in steel industry: a case study / Chagari Sasikala -- Contingency between knowledge characteristics and knowledge transfer mechanism: an integrative framework / Ziye Li and Youmin Xi -- Emotionally intelligent knowledge sharing behavior model for constructing psychologically and emotionally fit research teams / R. Khosla ... [et al.] -- Fundamental for an IT-strategy toward managing viable knowledgeintensive research projects / Paul Pöltner and Thomas Grechenig -- A new framework of knowledge management based on the interaction between human capital and organizational capital / Zheng Fan, Shujing Cao and Fenghua Wang -- Knowledge management of healthcare by clinical-pathways / Tomoyoshi Yamazaki and Katsuhiro Umemoto -- Factors affecting knowledge management at a public health institute in Thailand / Vallerut Pobkeeree, Pathom Sawanpanyalert and Nirat Sirichotiratana -- The influence of knowledge management capabilities and knowledge management infrastructure on market-interrelationship performance: an empirical study on hospitals / Wen-Ting Li and Shin-Tuan Hung -- Functional dynamics in system of innovation: a general model of SI metaphoric from traditional Chinese medicine / Xi Sun, Xin Tian and Xingmai Deng -- Collaborative writing with a wiki in a primary five English classroom / Matsuko Woo ... [et al.] -- Cross-language knowledge sharing model based on ontologies and logical inference / Weisen Guo and Steven B. Kraines -- A study of evaluating the value of social tags as indexing terms / Kwan Yi -- Leadership 2.0 and Web2.0 at ERM: a journey from knowledge management to "knowledging" / Cheuk Wai-vi Bonnie and Brenda Dervin -- Motivation, identity, and authoring of the wikipedian / Joseph C. Shih and C. K. Farn -- Intellectual capital and performance: an empirical study on the relationship between social capital and R&D performance in higher education / Mohd Iskandar Bin Illyas, Rose Alinda Alia and Leela Damodaran -- Managing knowledge in a volunteer-based community / John S. Huck, Rodney A. and Dinesh Rathi -- Knowledge management practices in a not for profit organizations: a case study of I2E / Matthew Broaddus and Suliman Hawamdeh -- Personal information management tools revisited / Yun-Ke Chang ... [et al.] --Competencies sought by knowledge management employers: context analysis of online job advertisements / Shaheen Majid and Rianto Mulia -- Migration or integration: knowledge management in library and information science profession / Manir Abdullahi Kamba and Roslina Othman -- Evaluating intellectual assets in university libraries : a multi-site case study from Thailand / Sheila Corrall and Somsak Sriborisutsakul -- From for-profit organizations to non-profit organizations : the development of knowledge

management in a public library / Kristen Holm, Kelly Kirkpatrick and Dinesh Rathi -- Network structure, structural equivalence and group performance: a simulation research on knowledge process / Hua Zhang and Youmin Xi -- Exploring the knowledge creating communities: an analysis of the linux kernel developer community / Haoxiang Xia, Shuangling Luo and Taketoshi Yoshida -- Systemic thinking in knowledge management / Yoshiteru Nakamori -- Study on the methods of identification and judgment for opinion leaders in public opinion / Liu Yijun ,Tang Xi Jin and Gu Jifa

Here is the bestselling guide that created a new game plan for marketing in high-tech industries. Crossing the Chasm has become the bible for bringing cutting-edge products to progressively larger markets. This edition provides new insights into the realities of high-tech marketing, with special emphasis on the Internet. It's essential reading for anyone with a stake in the world's most exciting marketplace.

Biology for the IB Diploma, second edition covers in full the requirements of the IB syllabus for Biology implemented in 2014. Note about this ebook: This ebook exploits many advanced capabilities with images, hypertext, and interactivity and is optimized for EPUB3-compliant book readers, especially Apple's iBooks and browser plugins. These features may not work on all ebook readers. We organize things. We organize information, information about things, and information about information. Organizing is a fundamental issue in many professional fields, but these fields have only limited agreement in how they approach problems of organizing and in what they seek as their solutions. The Discipline of Organizing synthesizes insights from library science, information science, computer science, cognitive science, systems analysis, business, and other disciplines to create an Organizing System for understanding organizing. This framework is robust and forward-looking, enabling effective sharing of insights and design patterns between disciplines that weren't possible before. The Professional Edition includes new and revised content about the active resources of the "Internet of Things," and how the field of Information Architecture can be viewed as a subset of the discipline of organizing. You'll find: 600 tagged endnotes that connect to one or more of the contributing disciplines Nearly 60 new pictures and illustrations Links to cross-references and external citations Interactive study guides to test on key points The Professional Edition is ideal for practitioners and as a primary or supplemental text for graduate courses on information organization, content and knowledge management, and digital collections. FOR INSTRUCTORS: Supplemental materials (lecture notes, assignments, exams, etc.) are available at http://disciplineoforganizing.org. FOR STUDENTS: Make sure this is the edition you want to buy. There's a newer one and maybe your instructor has adopted that one instead.

"...a must-read text that provides a historical lens to see how ubicomp has matured into a multidisciplinary endeavor. It will be an essential reference to researchers and those who want to learn more about this evolving field." -From the Foreword, Professor Gregory D. Abowd, Georgia Institute of Technology First introduced two decades ago, the term ubiquitous computing is now part of the common vernacular. Ubicomp, as it is commonly called, has grown not just quickly but broadly so as to encompass a wealth of concepts and technology that serves any number of purposes across all of human endeavor. While such growth is positive, the newest generation of ubicomp practitioners and researchers, isolated to specific tasks, are in danger of losing their sense of

history and the broader perspective that has been so essential to the field's creativity and brilliance. Under the guidance of John Krumm, an original ubicomp pioneer, Ubiquitous Computing Fundamentals brings together eleven ubiquitous computing trailblazers who each report on his or her area of expertise. Starting with a historical introduction, the book moves on to summarize a number of self-contained topics. Taking a decidedly human perspective, the book includes discussion on how to observe people in their natural environments and evaluate the critical points where ubiquitous computing technologies can improve their lives. Among a range of topics this book examines: How to build an infrastructure that supports ubiquitous computing applications Privacy protection in systems that connect personal devices and personal information Moving from the graphical to the ubiquitous computing user interface Techniques that are revolutionizing the way we determine a person's location and understand other sensor measurements While we needn't become expert in every sub-discipline of ubicomp, it is necessary that we appreciate all the perspectives that make up the field and understand how our work can influence and be influenced by those perspectives. This is important, if we are to encourage future generations to be as successfully innovative as the field's originators.

A bestselling modern classic—both poignant and funny—about a boy with autism who sets out to solve the murder of a neighbor's dog and discovers unexpected truths about himself and the world. Nominated as one of America's best-loved novels by PBS's The Great American Read Christopher John Francis Boone knows all the countries of the world and their capitals and every prime number up to 7,057. He relates well to animals but has no understanding of human emotions. He cannot stand to be touched. And he detests the color yellow. This improbable story of Christopher's quest to investigate the suspicious death of a neighborhood dog makes for one of the most captivating, unusual, and widely heralded novels in recent years.

Mr. Crocodile's plans to catch and eat some pesky monkeys do not work out and he becomes friends with them instead. This classroom resource provides clear, concise scientific information in an understandable and enjoyable way about water and aquatic life. Spanning the hydrologic cycle from rain to watersheds, aquifers to springs, rivers to estuaries, ample illustrations promote understanding of important concepts and clarify major ideas. Aquatic science is covered comprehensively, with relevant principles of chemistry, physics, geology, geography, ecology, and biology included throughout the text. Emphasizing water sustainability and conservation, the book tells us what we can do personally to conserve for the future and presents job and volunteer opportunities in the hope that some students will pursue careers in aquatic science. Texas Aquatic Science, originally developed as part of a multi-faceted education project for middle and high school students, can also be used at the college level for non-science majors, in the home-school environment, and by anyone who educates kids about nature and water. The project's home on the web can be found at http://texasaquaticscience.org

Instead of asking students to power down during class, power up your lesson plans with digital tools. Design and deliver

lessons in which technology plays an integral role. Engage students in solving real-world problems while staying true to standards-aligned curricula. This book provides a research base and practical strategies for using web 2.0 tools to create engaging lessons that transform and enrich content.

Walking readers step by step through complex concepts, this book translates missing data techniques into something that applied researchers and graduate students can understand and utilize in their own research. Enders explains the rationale and procedural details for maximum likelihood estimation, Bayesian estimation, multiple imputation, and models for handling missing not at random (MNAR) data. Easy-to-follow examples and small simulated data sets illustrate the techniques and clarify the underlying principles. The companion website (www.appliedmissingdata.com) includes data files and syntax for the examples in the book as well as up-to-date information on software. The book is accessible to substantive researchers while providing a level of detail that will satisfy quantitative specialists.

Americans have long recognized that investments in public education contribute to the common good, enhancing national prosperity and supporting stable families, neighborhoods, and communities. Education is even more critical today, in the face of economic, environmental, and social challenges. Today's children can meet future challenges if their schooling and informal learning activities prepare them for adult roles as citizens, employees, managers, parents, volunteers, and entrepreneurs. To achieve their full potential as adults, young people need to develop a range of skills and knowledge that facilitate mastery and application of English, mathematics, and other school subjects. At the same time, business and political leaders are increasingly asking schools to develop skills such as problem solving, critical thinking, communication, collaboration, and self-management - often referred to as "21st century skills." Education for Life and Work: Developing Transferable Knowledge and Skills in the 21st Century describes this important set of key skills that increase deeper learning, college and career readiness, student-centered learning, and higher order thinking. These labels include both cognitive and non-cognitive skills- such as critical thinking, problem solving, collaboration, effective communication, motivation, persistence, and learning to learn. 21st century skills also include creativity, innovation, and ethics that are important to later success and may be developed in formal or informal learning environments. This report also describes how these skills relate to each other and to more traditional academic skills and content in the key disciplines of reading, mathematics, and science. Education for Life and Work: Developing Transferable Knowledge and Skills in the 21st Century summarizes the findings of the research that investigates the importance of such skills to success in education, work, and other areas of adult responsibility and that demonstrates the importance of developing these skills in K-16 education. In this report, features related to learning these skills are identified, which include teacher professional development, curriculum, assessment, after-school and out-of-school programs, and informal learning

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centers such as exhibits and museums.

Eva Mozes Kor was just ten years old when she arrived in Auschwitz. While her parents and two older sisters were taken to the gas chambers, she and her twin, Miriam, were herded into the care of the man known as the Angel of Death, Dr. Josef Mengele. Subjected to sadistic medical experiments, she was forced to fight daily for her and her twin's survival. In this incredible true story written for young adults, readers learn of a child's endurance and survival in the face of truly extraordinary evil and Eva's recovery and her controversial but often misunderstood decision to publicly forgive the Nazis. Readers will learn of how she triumphed over unfathomable pain and suffering into a life-long work for peace, human rights, and Holocaust education. The new edition provides interesting details and important context to the events related in the original story. A new Afterword by publisher Peggy Porter Tierney offers a richer portrayal of Eva as a person, the truth behind the controversies, and the eventful last ten years of her life.

Visualizing with Text uncovers the rich palette of text elements usable in visualizations from simple labels through to documents. Using a multidisciplinary research effort spanning across fields including visualization, typography, and cartography, it builds a solid foundation for the design space of text in visualization. The book illustrates many new kinds of visualizations, including microtext lines, skim formatting, and typographic sets that solve some of the shortcomings of well-known visualization techniques. Key features: More than 240 illustrations to aid inspiration of new visualizations Eight new approaches to data visualization leveraging text Quick reference guide for visualization with text Builds a solid foundation extending current visualization theory Bridges between visualization, typography, text analytics, and natural language processing The author website, including teaching exercises and interactive demos and code, can be found here. Designers, developers, and academics can use this book as a reference and inspiration for new approaches to visualization in any application that uses text.

Nelson Physics 12 provides a rigorous, comprehensive, and accurate treatment of all concepts and processes presented in Ontario's Physics, Grade 12, university Preparation course (SPH4U). This resource thoroughly equips students with the independent learning, problem-solving, and research skills that are essential to successfully meet the entrance requirements for university programs. Complex Physics concepts are presented in a clear, understandable fashion and key concepts, such as static equilibrium, are treated in greater depth than specified in the curriculum.

Advises school librarians on the issue of copyright, including fair use, infringement, digital copyright, and student work. First-ever comprehensive introduction to the major new subject of quantum computing and quantum information. Using an innovative framework, this book provides the rationale, strategies, and tools to create optimal blended language learning courses.

Written for statisticians, computer scientists, geographers, research and applied scientists, and others interested in visualizing data, this book presents a unique foundation for producing almost every quantitative graphic found in scientific journals, newspapers, statistical packages, and data visualization systems. It was designed for a distributed computing environment, with special attention given to conserving computer code and system resources. While the tangible result of this work is a Java production graphics library, the text focuses on the deep structures involved in producing quantitative graphics from data. It investigates the rules that underlie pie charts, bar charts, scatterplots, function plots, maps, mosaics, and radar charts. These rules are abstracted from the work of Bertin, Cleveland, Kosslyn, MacEachren, Pinker, Tufte, Tukey, Tobler, and other theorists of quantitative graphics.

Neuroscience tells us that the products of the mind--thought, emotions, artistic creation--are the result of the interactions of the biological brain with our senses and the physical world: in short, that thinking and learning are the products of a biological process. This realization, that learning actually alters the brain by changing the number and strength of synapses, offers a powerful foundation for rethinking teaching practice and one's philosophy of teaching. James Zull invites teachers in higher education or any other setting to accompany him in his exploration of what scientists can tell us about the brain and to discover how this knowledge can influence the practice of teaching. He describes the brain in clear non-technical language and an engaging conversational tone, highlighting its functions and parts and how they interact, and always relating them to the real world of the classroom and his own evolution as a teacher. "The Art of Changing the Brain" is grounded in the practicalities and challenges of creating effective opportunities for deep and lasting learning, and of dealing with students as unique learners.

This comprehensive resource for STEM teachers and students, outlines the various stages of large-scale research projects, enabling teachers to coach their students through the research process. This handbook provides enough detail to embolden all teachersOCoeven those who have never designed an experiment on their ownOCoto support student-researchers through the entire process of conducting experiments."

Properly crafted and individually tailored feedback on student work boosts student achievement across subjects and grades. In this updated and expanded second edition of her best-selling book, Susan M. Brookhart offers enhanced guidance and three lenses for considering the effectiveness of feedback: (1) does it conform to the research, (2) does it offer an episode of learning for the student and teacher, and (3) does the student use the feedback to extend learning? In this comprehensive guide for teachers at all levels, you will find information on every aspect of feedback, including • Strategies to uplift and encourage students to persevere in their work. • How to formulate and deliver feedback that both assesses learning and extends instruction. • When and how to use oral, written, and visual as well as individual, group, or whole-class feedback. • A concise and updated overview of the research findings on feedback and how they apply to today's classrooms. In addition, the book is replete with examples of good and bad feedback as well as rubrics that you can use to construct feedback tailored to different learners, including successful students, struggling students, and English language learners. The vast majority of students will respond positively to feedback that

shows you care about them and their learning. Whether you teach young students or teens, this book is an invaluable resource for guaranteeing that the feedback you give students is engaging, informative, and, above all, effective.

Medical Physics and Biomedical Engineering provides broad coverage appropriate for senior undergraduates and graduates in medical physics and biomedical engineering. Divided into two parts, the first part presents the underlying physics, electronics, anatomy, and physiology and the second part addresses practical applications. The structured approach means that later chapters build and broaden the material introduced in the opening chapters; for example, students can read chapters covering the introductory science of an area and then study the practical application of the topic. Coverage includes biomechanics; ionizing and nonionizing radiation and measurements; image formation techniques, processing, and analysis; safety issues; biomedical devices; mathematical and statistical techniques; physiological signals and responses; and respiratory and cardiovascular function and measurement. Where necessary, the authors provide references to the mathematical background and keep detailed derivations to a minimum. They give comprehensive references to junior undergraduate texts in physics, electronics, and life sciences in the bibliographies at the end of each chapter.

The definitive, bestselling text in the field of change management, Making Sense of Change Management provides a thorough overview of the subject for both students and professionals. Along with explaining the theory of change management, it comprehensively covers the models, tools, and techniques of successful change management so organizations can adapt to tough market conditions and succeed by changing their strategies, structures, boundaries, mindsets, leadership behaviours and of course their expectations of the people who work within them. This completely revised and updated 4th edition of Making Sense of Change Management includes more international examples and case studies, emerging new thinking and practice in the area of cultural change and a new chapter on the interrelationship with project management (PM) and change management. It also covers complexity models, agile approaches, and stakeholder management along with cultural sensitivity and what to do when cultures collide. Making Sense of Change Management remains essential reading for anyone who is currently part of, or leading, a change initiative. Online supporting resources include lecture slides, making this an ideal textbook for MBA or graduate students focusing on leading or managing change.

A manifesto for a text-free literary scholarship.

This teacher time-saver is packed with big questions that dig deep into 40 top themes and topics in math, language arts, science, and social studies.

Using probes as diagnostic tools that identify and analyze students' preconceptions, teachers can easily move students from where they are in their current thinking to where they need to be to achieve scientific understanding.

With more questions and answers than any other edition, the Encyclopedia of Counseling, Fourth Edition, is still the only book you need to pass the NCE, CPCE, and other counseling exams. Every chapter has new and updated material and is still written in Dr. Rosenthal's lively, user-friendly style counselors know and love. The book's new and improved coverage incorporates a range of vital topics, including social media, group work in career counseling, private practice and nonprofit work, addictions, neurocounseling, research trends, the DSM-5, the

new ACA and NBCC codes of ethics, and much, much more.

How to plan and implement differentiation using practical strategies, teacher-friendly directions, and time-saving techniques.

This book examines visual data use with students (PK-16) as well as in pre-service in- service science teacher preparation. Each chapter includes discussion about the current state of the art with respect to science classroom application and utilization of the particular visual data targeted by the author(s), discussion and explanation about the targeted visual data as applied by the author in his/her classroom, use of visual data as a diagnostic tool, its use as an assessment tool, and discussion of implications for science teaching and/or science teacher preparation. Although the body of research and practice in this field is growing, there remains a gap in the literature about clearly explicating the use of visual data in the science classroom. A growing body of literature discusses what visual data are (although this topic is still viewed as being at the beginning of its development in educators' thinking), and there are some scattered examples of studies exploring the use of visual data in science classrooms, although those studies have not necessarily clearly identified their foci as visual data, per se. As interest and attention has become more focused on visual data, a logical progression of questioning has been how visual data are actually applied in the science classroom, whether it be early elementary, college, or somewhere in between. Visual data applications of interest to the science education community include how it is identified, how it can be used with students and how students can generate it themselves, how it can be employed as a diagnostic tool in concept development, and how it can be utilized as an assessment tool. This book explores that, as well as a variety of pragmatic ways to help science educators more effectively utilize visual data and representations in their instruction. Author Page Keeley continues to provide KOCo12 teachers with her highly usable and popular formula for uncovering and addressing the preconceptions that students bring to the classroomOCothe formative assessment probeOCoin this first book devoted exclusively to life science in her Uncovering Student Ideas in Science series. Keeley addresses the topics of life and its diversity; structure and function; life processes and needs of living things; ecosystems and change; reproduction, life cycles, and heredity; and human biology." How should I use technology in my courses? What impact does technology have on student learning? Is distance learning effective? Should I give online tests and, if so, how can I be sure of the integrity of the students' work? These are some of the questions that instructors raise as technology becomes an integral part of the educational experience. In Quick Hits for Teaching with Technology, award-winning instructors representing a wide range of academic disciplines describe their strategies for employing technology to achieve learning objectives. They include tips on using just-in-time teaching, wikis, clickers, YouTube, blogging, and GIS, to name just a few. An accompanying interactive website enhances the value of this innovative tool.

This book, addressed to experienced and novice language educators, provides an up-to-date overview of sociolinguistics, reflecting changes in the global situation and the continuing evolution of the field and its relevance to language education around the world. Topics covered include nationalism and popular culture, style and identity, creole languages, critical language awareness, gender and ethnicity, multimodal literacies, classroom discourse, and ideologies and power. Whether considering the role of English as an international language or innovative initiatives in Indigenous language revitalization, in every context of the world sociolinguistic perspectives highlight the fluid and flexible use of language in communities and classrooms, and the importance of teacher practices that open up spaces of awareness

and acceptance of --and access to--the widest possible communicative repertoire for students.

Armed with laptops and smartphones, audiences today are no longer sitting quietly taking notes during live presentations. Instead, they're carving out a new space in the room called the backchannel, where people are online searching for resources, checking your facts, and connecting with others inside the room and out. When audiences are happy, the backchannel vastly extends the reach of ideas and creates a new sense of community and connectedness. But when they are unhappy, the intersection of frustrated audiences with unaware presenters can often create dramatic and public breakdowns of communication—and even mob mentality. In this book, communications consultant Cliff Atkinson shows that if these new kinds of audience participation are embraced and the conversations properly handled, the outcome can be a new, more effective form of communicating. Whether you're a host, presenter, or an audience member, Cliff will help you understand how this convergence of social forces is upending the presentation norm and how you can effectively manage the change.

Celluloid Symphonies is a unique sourcebook of writings on music for film, bringing together fifty-three critical documents, many previously inaccessible. It includes essays by those who created the music—Max Steiner, Erich Korngold, Jerry Goldsmith, Elmer Bernstein and Howard Shore—and outlines the major trends, aesthetic choices, technological innovations, and commercial pressures that have shaped the relationship between music and film from 1896 to the present. Julie Hubbert's introductory essays offer a stimulating overview of film history as well as critical context for the close study of these primary documents. In identifying documents that form a written and aesthetic history for film music, Celluloid Symphonies provides an astonishing resource for both film and music scholars and for students. Memory is inextricable from learning; there's little sense in teaching students something new if they can't recall it later. Ensuring that the knowledge teachers impart is appropriately stored in the brain and easily retrieved when necessary is a vital component of instruction. In How to Teach So Students Remember, author Marilee Sprenger provides you with a proven, research-based, easy-to-follow framework for doing just that. This second edition of Sprenger's celebrated book, updated to include recent research and developments in the fields of memory and teaching, offers seven concrete, actionable steps to help students use what they've learned when they need it. Step by step, you will discover how to actively engage your students with new learning; teach students to reflect on new knowledge in a meaningful way; train students to recode new concepts in their own words to clarify understanding; use feedback to ensure that relevant information is binding to necessary neural pathways; incorporate multiple rehearsal strategies to secure new knowledge in both working and long-term memory; design lesson reviews that help students retain information beyond the test; and align instruction, review, and assessment to help students more easily retrieve information. The practical strategies and

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suggestions in this book, carefully followed and appropriately differentiated, will revolutionize the way you teach and immeasurably improve student achievement. Remember: By consciously crafting lessons for maximum "stickiness," we can equip all students to remember what's important when it matters.

A Six Sigma pioneer from Jack Welch's original team at GE shows you how to bring big improvements to your small business Six Sigma for Small Business is the first book to apply six sigma to the unique challenges of a small business. It shows how to use the methodology in all aspects of business to identify and fix problems, with chapters on: accounting, finance, sales and marketing, purchasing a business, human resources, and developing new products. It walks you through a step-by-step implementation of six sigma, describing how to identify needs, develop metrics, and set objectives. It also provides real-life examples of small-business six sigma success stories.

This is the first English translation of the seminal book by Katharina Reiß and Hans Vermeer, Grundlegung einer allgemeinen Translationstheorie, first published in 1984. The first part of the book was written by Vermeer and explains the theoretical foundations and basic principles of skopos theory as a general theory of translation and interpreting or 'translational action', whereas the second part, penned by Katharina Reiß, seeks to integrate her text-typological approach, first presented in 1971, as a 'specific theory' that focuses on those cases in which the skopos requires equivalence of functions between the source and target texts. Almost 30 years after it first appeared, this key publication is now finally accessible to the next generations of translation scholars. In her translation, Christiane Nord attempts to put skopos theory and her own concept of 'function plus loyalty' to the test, by producing a comprehensible, acceptable text for a rather heterogeneous audience of English-speaking students and scholars all over the world, at the same time as acting as a loyal intermediary for the authors, to whom she feels deeply indebted as a former student and colleague. In this newly revised and expanded 2nd edition of Picture-Perfect Science Lessons, classroom veterans Karen Ansberry and Emily Morgan, who also coach teachers through nationwide workshops, offer time-crunched elementary educators comprehensive background notes to each chapter, new reading strategies, and show how to combine science and reading in a natural way with classroom-tested lessons in physical science, life science, and Earth and space science. Provides both rich theory and powerful applications Figures are accompanied by code required to produce them Full color figures

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