

Explore Learning Student Exploration Answers Circuits

Defining the progression toward inquiry learning, this book provides an extensive overview of the past five decades and the evolution of inquiry in science, history, language arts, and information literacy studies. • Helps readers gain an understanding of the historical development of inquiry learning in formal and informal settings • Showcases ways in which inquiry principles can be learned and applied across the K–12 curriculum • Equips professional library media specialists with an understanding of collaboration that supports a leadership role in curriculum development • Illustrates the expectations for inquiry learning based on critical thinking and the ability to make a clear argument with supporting, relevant evidence selected on the basis of logical reasoning

This book provides prospective and practicing teachers with research insights into the mathematical difficulties of students with learning disabilities and classroom practices that address these difficulties. This linkage between research and practice celebrates teachers as learners of their own students’ mathematical thinking, thus contributing an alternative view of mathematical progression in which students are taught conceptually. The research-based volume presents a unique collaboration among researchers in special education, psychology, and mathematics education from around the world. It reflects an ongoing work by members of the International Group for the Psychology of Mathematics Education in the North American Chapter of the PME Working Groups. The authors of chapters in this book, who have been collaborating extensively over the past 7 years, are from Australia, Canada, the United Kingdom, and the United States.

Ensures that physical educators are fully armed with a comprehensive plan for incorporating instructional models in their teaching! Instructional Models for Physical Education has two primary goals for its readers. The first is to familiarize them with the notion of model-based instruction for physical education, including the components and dimensions that determine a model’s pattern of teaching and how to select the most effective model for student learning in a particular unit. The second goal is to describe each of the instructional models in such a way to give readers enough information to use any of the models with confidence and good results. The book includes everything readers will need for planning, implementing, and assessing when teaching with instructional models. It will help readers incorporate research-based practices in their lessons, adapt activities to include students of varying abilities, and teach to standards. Models tied to NASPE standards! The author has revised the third edition to show how using the instructional models can help teachers meet specific NASPE standards. The book demonstrates the connection of NASPE standards with the models and clarifies that connection for students. In addition, a table in each of the model chapters shows explicitly how the model aligns with NASPE standards.

Help elementary students discover the solids, liquids, and gases that make up the world around them. Science Readers: A Closer Look: Basics of Matter. Complete Kit includes: Books (6 titles, 6 copies each, 32 pages per book); data analysis activities; audio recordings; digital resources; and a Teacher’s Guide.

How People Learn

Science Readers: A Closer Look: The Human Body Kit

How Mixing Technology Out of Your College Classroom Will Improve Student Learning

Instructional Models in Physical Education

Third International Conference, ICTE 2018, Hong Kong, China, January 9–11, 2018, Revised Selected Papers

Success for All

Improving K-12 STEM Education Outcomes through Technological Integration

One of the goals of artificial intelligence (AI) is creating autonomous agents that must make decisions based on uncertain and incomplete information. The goal is to design rational agents that must take the best action given the information available and their goals. Decision Theory Models for Applications in Artificial Intelligence: Concepts and Solutions provides an introduction to different types of decision theory techniques, including MDPs, POMDPs, Influence Diagrams, and Reinforcement Learning, and illustrates their application in artificial intelligence. This book provides insights into the advantages and challenges of using decision theory models for developing intelligent systems.

How do second language (L2) learners go about learning English grammar? How do they make use of their knowledge of a second language when working with computer-assisted language Learning (CALL) materials? What role do individual differences play in the way in which learners work together in language-learning activities? Why are some learners resistant to instruction? These are the questions that this book addresses. Written in a readable and engaging style, the book takes an undogmatic and refreshing look at second language acquisition (SLA) research and investigates what learners actually do when working with L2 learning materials. The chapters include: An up-to-date review of the history of SLA as a field of research. An in-depth overview of the role played by explicit knowledge of L2 grammar. A critical discussion of the role of grammar instruction. An outline of the impact of individual factors on the L2 acquisition process. Key insights into the potential of multimedia CALL for L2 learning. Written by a researcher with many years of English teaching experience at university and secondary school level, it addresses the concerns of teachers, CALL practitioners and SLA researchers alike, providing insights from the interface of SLA theory and hands-on L2 pedagogy.

Offers information on using an iPad in the classroom, including an overview of the iPad’s features, device configuration and management, and best practices, tools, and apps for classrooms.

You’ve heard about “flipping your classroom”—now find out howto do it! Introducing a new way to think about higher education, learning, and technology that prioritizes the benefits of the humandimension. José Bowen recognizes that technology is profoundlychanging education and that if students are going to continue toplay enormous sums for campus classes, colleges will need to providemore than what can be found online and maximize “naked”face-to-face contact with faculty. Here, he illustrates howtechnology is most powerfully used outside the classroom, and, whenused effectively, how it can ensure that students arrive to classmore prepared for meaningful interaction with faculty. Bowen offerspractical advice for faculty and administrators on how to engagestudents with new technology while restructuring classes into moreactive learning environments.

The Evolution of Inquiry: Controlled, Guided, Modeled, and Free

Phenomenon-Based Learning

iPad in Education For Dummies

A Handbook for the Art and Science of Teaching

Understanding Our Natural Resources : Teachers Guide

Concepts, Methodologies, Tools, and Applications

Enabling Mathematics Learning of Struggling Students

Digital role-playing games such as Rift, Diablo III, and Kingdoms of Amalur: Reckoning help players develop skills in critical thinking, problem solving, digital literacy, and lifelong learning. The author examines both the benefits and the drawbacks of role-playing games and their application to real-world teaching techniques. Readers will learn how to incorporate games-based instruction into their own classes and workplace training, as well as approaches to redesigning curriculum and programs.

Shows teachers how to foster positive characteristics of engagement in their students Learner-Centered Instruction: Building Relationships for Student Success covers teaching methods, classroom management strategies, and ways to engage students and support their success. Authors Jeffrey H. D. Cornelius-White and Adam P. Harbaugh show K-12 teachers how to use the learner-centered instruction model to develop teacher-student relationships, as well as relationships with parents, administrators, other teachers, and professional organizations. Focusing on teaching as facilitation applied through warmth, trust, empathy, and realism, Learner-Centered Instruction shows teachers how to share control and choice in classroom management through a balance of influence and cooperation. Well-grounded in research and theory, this book emphasizes encouragement, challenge, and adaptation for differentiated instruction through methods such as inquiry, cooperative small group learning, and authentic, relevant endeavors. Key Features and Benefits Includes chapter-opening “Reflect on Your Experiences” questions that invite readers to connect to prior knowledge, understanding, and experiences Incorporates “Case Studies” that connect readers to realistic classroom teaching scenarios, followed by related “Reflection” questions that ask readers to consider practical applications of the cases discussed Helps readers develop their understanding through skill-building exercises, visual aids, discussion questions, and suggested resources

This book will help you to identify the difference between teacher-centered and student-centered learning and the various pedagogies commonly associated with each. This book will draw upon the research and experience of three different educators and their pedagogical variations and uses within the classroom and online. Crumley’s synopsis of pedagogies and student-centered learning and suggested action is followed by a collaborative dialogue with Pamela Dietz and Sarah d’Angelo.

Conference proceedings. New perspectives in science education 7th editionIberraiuniversity.it Edizioni100 Brain-Friendly Lessons for Unforgettable Teaching and Learning (9-12)Corwin Press

Using Physical Science Gadgets and Gizmos, Grades 6-8

Inquiry-Based Learning for Multidisciplinary Programs

School Mathematics Textbooks In China: Comparative Studies And Beyond

Decision Theory Models for Applications in Artificial Intelligence: Concepts and Solutions

Forest, Land, and Water

Teaching Naked

As teaching strategies continue to change and evolve, and technology use in classrooms continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students’ participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions. Educators must remain up-to-date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel. Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings. Highlighting a range of topics such as learning outcomes, assessment systems, and administrative issues, this multi-volume book is ideally designed for educators, administrative officials, principals, deans, instructional designers, school boards, academicians, researchers, and education students seeking coverage on an educator’s role in evaluation design and analyses of evaluation methods and outcomes.

Elementary students will love learning about the science of the human body, from the muscles that help them play to the brain that lets them learn. This kit includes leveled books, allowing teachers to easily implement differentiation strategies that give all students access to this life and science theme. Science Readers: A Closer Look: The Human Body. Complete Kit includes: Books (6 titles, 6 copies each, 32 pages per book); data analysis activities; audio recordings; digital resources; and a Teacher’s Guide.

This book provides a detailed account of an educational experiment in a middle school in Shanghai, China. The school, called Zabei No. 8 Middle School (hereafter No. 8 School), is located in a run-down, lower working class district. Since the mid-1980s the school has experimented on an educational reform program called success education, aiming to help those at-risk students to be successful in school. This book illustrates how this educational experiment has been carried out and to identify experiences that could be learned by the international educational community. The book analyzes the critical role played by Principal Liu Jinghai, and particular attention is paid to the strategies adopted by the school to help enhance students’ self-esteem through integrating love and care throughout the school’s curriculum and activities. The pivotal roles played by teachers called ‘class directors’ are meticulously studied, and efforts that the school has made to collaborate with parents and the local community are examined. An ethnographic approach was used to gather data in this study. A combination of interviews, participant observation, and document analysis was applied to arrive at a systematic and complex understanding of this educational endeavor in China.

No single instructional model can meet all of the student learning needs expressed in the SHAPE America National Standards for Physical Education. This new edition provides pedagogical knowledge and resources that support physical education teachers’ selection and use of instructional models and gives physical educators a plan for incorporating these models into their teaching. Presented in two sections, Instructional Models for Physical Education 4E first presents the rationale, pedagogical knowledge, and selection processes for Model-Based Instruction (MBI). MBI is the commitment to use one instructional plan throughout a unit of instruction. The second section provides pedagogical knowledge for the selection, implementation and assessment of instructional models used in P-12 physical education. This edition has been updated to be in alignment with the SHAPE America National Standards for

Physical Education. It includes new sections on differentiated instruction and practical applications. A companion website contains additional examples and information for each model. The book includes everything the reader needs for planning, implementing, and assessing when teaching with instructional models. It helps readers incorporate research-based practices in their lessons, adapt activities, and teach to standards. This text can be used as the stand-alone text for courses on physical education teaching methods at the undergraduate and graduate levels.

Answers to Your Biggest Questions About Teaching Elementary Math

Slaying the Clown

Forum

A Comprehensive Educational Reform for Improving At-Risk Students in an Urban School in China

Foundations, Design, and Case Studies

Learner-Centered Instruction

Opening Doors to Student Understanding

This volume covers the many issues and concepts of how IBL can be applied to multidisciplinary programs and serves as a conceptual and practical resource and guide for educators and offers practical examples of IBL in action and diverse strategies on how to implement IBL in different contexts.

First published in 2001. Routledge is an imprint of Taylor & Francis, an informa company.

You want to find your true mental, physical and emotional capacity in life? Eric Logan did, and he searched for an event that would challenge every fiber of his being and reveal his true character and capability. He found it in Kokoro, a 52 hour extreme fitness event originally designed for Navy SEAL and other special operator candidates. Eric signed up and attacked the event the year he turned 50. Kokoro is the brainchild of Mark Divine, Founder and CEO of Unbeatable Mind and SEALFIT, author of Way of the SEAL and Unbeatable Mind and Commander (Ret), US Navy SEALs. Kokoro is a 52 hour physical, mental and emotional team endurance event modeled after the SEAL’s Hell Week. Eric trained at Commander Divine’s CrossFit affiliate, US Crossfit, for 5 years before attempting Kokoro. Kokoro participants have historically had a 30% success rate. Kokoro, and the broader SEALFIT program, integrate physical, mental, emotional, intuitional and awareness

training to develop elite-level warriors, leaders and teams. Eric is the Chief Operating Officer of COBRA PUJVA Golf in Carlsbad, California, and he desired to enter the event and gain as much insight as possible about his capacity as an athlete, a leader, a husband and a father. Eric’s teammates at Kokoro 42 (the 42nd iteration of the event) included a 2 time Golden Gloves boxing champion, a 7 time Spartan Race champion, an ultramarathon racer and a professional hockey player, so he was not alone for him, attempting to keep up with his teammates and add value to the team. While he wasn’t the fittest athlete that toed the line for the start of Kokoro 42 in April, 2016, he had a clear and strong “Why” for attempting the event and a drive that would keep him from quitting. Come walk beside Eric and learn some of the lessons that he learned during Kokoro 42: - How to face your fears - How to face uncertainty - How your faith can support you and deliver you through the darkest moments - How to deal with life’s roller coaster managing the inevitable ups and downs without getting too high or low - How to learn your strengths and use them daily for the benefit of you and others - How to learn your weaknesses and use them around them and hopefully, how to turn them into strengths - How to be helpful in all situations - How to be an encouragement to others - How to find close life partners (Swim Buddies) who challenge and encourage you to

well as a member of a team, with your family, your workmates, your athletic event teammates - Finally, and most importantly, how to learn that your capacity for life, love and work is so much bigger than you ever imagined Ready to go? Hooyah!

What are “essential questions,” and how do they differ from other kinds of questions? What’s so great about them? Why should you design and use essential questions in your classroom? Essential questions (EQs) help target standards as you organize curriculum content into coherent units that yield focused and thoughtful learning. In the classroom, EQs are used to stimulate students’ discussions and promote a deeper understanding of the content. Whether you are an Underst by Design (UbD) devotee or are searching for ways to address standards—local or Common Core State Standards—in an engaging way, Jay McTighe and Grant Wiggins provide practical guidance on how to design, initiate, and embed inquiry-based teaching and learning in your classroom. Offering dozens of examples, the authors explore the usefulness of EQs in all K-12 content areas, including skill-based areas such as math, PE, language instruction, and arts education. As an important element of their backward design approach to designing curriculum, instruction, and assessment, the authors “give a comprehensive explanation of why EQs are so important: “Explore seven defining characteristics of EQs: “Distinguish between topical and overarching questions and their uses: “Outline the rationale for using EQs as the focal point in creating units of study; and “Show how to create effective EQs, working from sources including standards, desired understandings, a student misconceptions. Using essential questions can be challenging—for both teachers and students—and this book provides guidance through practical and proven processes, as well as suggested “response strategies” to encourage student engagement. Finally, you will learn how to create a culture of inquiry so that all members of the educational community—students, teachers, and administrators—benefit from the increased rigor and deepened understanding that emerge with essential questions become a guiding force for learners of all ages.

Conference proceedings. New perspectives in science education 7th edition

Teaching and Learning High School Mathematics

Concepts of Care

Exploratory grammar learning in a multimedia environment

Pedagogies for Student-Centered Learning

A Conceptual and Practical Resource for Educators

Online and On-Ground

Your guide to grow and learn as a math teacher! Lets face it, teaching elementary math can be hard. So much about how we teach math today may look and feel different from how we learned it. Today, we recognize placing the student at the center of their learning increases engagement, motivation, and academic achievement soars. Teaching math in a student-centered way changes the role of the teacher from one who traditionally “delivers knowledge” to one who fosters thinking. Most importantly, we must ensure our practice gives each and every student the opportunity to learn, grow, and achieve at high levels, while providing opportunities to develop their agency and authority in the classroom which results in a positive math identity. Whether you are a brand new teacher or a veteran, if you find teaching math to be quite the challenge, this is the guide you want by your side. Designed for just-in-time learning and support, this practical resource gives you brief, actionable answers to your most pressing questions about teaching elementary math. Written by four experienced math educators representing diverse experiences, these authors offer the practical advice they wish they received years ago, from lessons they’ve learned over decades of practice, research, coaching, and through collaborating with teams, teachers and colleagues:especially new teachers:every day. Questions and answers are organized into five areas of effort that will help you most thrive in your elementary math classroom: 1. How do I build a positive math community? 2. How do I structure, organize, and manage my math class? 3. How do I engage my students in math? 4. How do I help my students talk about math? 5. How do I know what my students know and move them forward? Woven throughout, you’ll find helpful sidebar notes on fostering identity and equity, teaching in different settings, and invaluable resources for deeper learning. The final question:Where do I go from here? offers guidance for growing your practice over time. Strive to become the best math educator you can be; your students are counting on it! What will be your first step on the journey?

What student/or teacher can resist the chance to experiment with Rocket Launchers, Sound Pipes, Drinking Birds, Dropper Poppers, and more? The 35 experiments in Using Physical Science Gadgets and Gizmos, Grades 6/8, cover topics including pressure and force, thermodynamics, energy, light and color, resonance, and buoyancy. The authors say there are three good reasons to buy this book: 1. To improve your students’ thinking skills and problem-solving abilities. 2. To get easy-to-perform experiments that engage students in the topic. 3. To make your physics lessons waaaaay more cool. The phenomenon-based learning (PBL) approach used by the author(s) Finnish teachers and a U.S. professor(s) as educational as the experiments are attention-grabbing. Instead of putting the theory before the application, PBL encourages students to first experience how the gadgets work and then grow curious enough to find out why. Students engage in the activities not as a task to be completed but as exploration and discovery. The idea is to help your students go beyond simply memorizing physical science facts. Using Physical Science Gadgets and Gizmos can help them learn broader concepts, useful thinking skills, and science and engineering practices (as defined by the Next Generation Science Standards). And thanks to those Sound Pipes and Dropper Poppers both your students and you will have some serious fun. For more information about hands-on materials for Using Physical Science Gadgets and Gizmos books, visit Arbor Scientific at http://www.arborsci.com/nsia-kit-middle-school

In the digital age, the integration of technology has become a ubiquitous aspect of modern society. These advancements have significantly enhanced the field of education, allowing students to receive a better learning experience. Digital Tools and Solutions for Inquiry-Based STEM Learning is a comprehensive source of scholarly material on the transformation of science education classrooms through the application of technology. Including numerous perspectives on topics such as instructional design, social media, and scientific argumentation, this book is ideally designed for educators, graduate students, professionals, academics, and practitioners interested in the latest developments in the field of STEM education.

14184: SR-CL Be Healthy! Be Fit! Teacher’s Guide Book

The World Book Encyclopedia

Project College Success

A Half Century of Fears Shattered in 52 Hours

Essential Questions

Teach Like a Gamer

Adapting the Instructional Design of Digital Role-Playing Games

The application of technology in classroom settings has equipped educators with innovative tools and techniques for effective teaching practice. Integrating digital technologies at the elementary and secondary levels helps to enrich the students’ learning experience and maximize competency in the areas of science, technology, engineering, and mathematics. Improving K-12 STEM Education Outcomes through Technological Integration focuses on current research surrounding the effectiveness, performance, and benefits of incorporating various technological tools within science, technology, engineering, and mathematics classrooms. Focusing on evidence-based approaches and current educational innovations, this book is an essential reference source for teachers, teacher educators, and professionals interested in how emerging technologies are benefiting teaching and/or learning efficacy.

Over the last few years, increasing attention has been focused on the development of children’s acquisition of 21st-century skills and digital competences. Consequently, many education scholars have argued that teaching technology to young children is vital in keeping up with 21st-century employment patterns. Technologies, such as those that involve robotics or coding apps, come at a time when the demand for computing jobs around the globe is at an all-time high while its supply is at an all-time low. There is no doubt that coding with robotics is a wonderful tool for learners of all ages as it provides a catalyst to introduce them to computational thinking, algorithmic thinking, and project management. Additionally, recent studies argue that the use of a developmentally appropriate robotics curriculum can help to change negative stereotypes and ideas children may initially have about technology and engineering. The Handbook of Research on Using Educational Robotics to Facilitate Student Learning is an edited book that advocates for a new approach to computational thinking and computing education with the use of educational robotics and coding apps. The book argues that while learning about computing, young people should also have opportunities to create with computing, which have a direct impact on their lives and their communities. It develops two key dimensions for understanding and developing educational experiences that support students in engaging in computational action: (1) computational identity, which shows the importance of young people’s development of scientific identity for future STEM growth; and (2) digital empowerment to instill the belief that they can put their computational identity into action in authentic and meaningful ways. Covering subthemes including student competency and assessment, programming education, and teacher and mentor development, this book is ideal for teachers, instructional designers, educational technology developers, school administrators, academicians, researchers, and students.

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

Use research- and brain-based teaching to engage students and maximize learning Lessons should be memorable and engaging. When they are, student achievement increases, behavior problems decrease, and teaching and learning are fun! In 100 Brain-Friendly Lessons for Unforgettable Teaching and Learning 9-12, best-selling author and renowned educator and consultant Marcia Tate takes her bestselling Worksheets Don’t Grow Dendrites one step further by providing teachers with ready-to-use lesson plans that take advantage of the way that students really learn. Readers will find 100 cross-curricular sample lessons from each of the eight major content areas: Earth Science, Life Science, Physical Science, English, Finance, Algebra, Geometry, Social Studies. Plans designed around the most frequently taught objectives found in national and international curricula. Lessons educators can immediately replicate in their own classrooms or use to develop their own. 20 brain-compatible, research-based instructional strategies that work for all learners. Five questions that high school teachers should ask and answer when planning brain-compatible lessons and an in-depth explanation of each of the questions. Guidance on building relationships with students that enable them to learn at optimal levels. It is a wonderful time to be a high school teacher! This hands-on resource will show you how to use what we know about educational neuroscience to transform your classroom into a place where success is accessible for all.

Teaching Dilemmas and Solutions in Content-Area Literacy, Grades 6–12

Brain, Mind, Experience, and School, Expanded Edition

100 Brain-Friendly Lessons for Unforgettable Teaching and Learning (9–12)

Concepts and Solutions

A Journal for the Teacher of English Outside the United States

Instructional Models for Physical Education

Five to Thrive [series]

Our collected work contains mathematics education research papers. Comparative studies of school textbooks cover content selection, compilation style, representation method, design of examples and exercises, mathematics investigation, the use of information technology, and composite difficulty level. To name a few. Other papers included are about representation of basic mathematical thought in school textbooks, a study on the compilation features of elementary school textbooks, and a survey of the effect of using new elementary school textbooks.

This book constitutes extended papers from the Third International Conference on Technology in Education, ICTE 2018, held in Hong Kong, China, in January 2018. The 27 full papers presented in this volume were carefully reviewed and selected from 88 submissions. They are organized in topical sections on new learning experience with technologies; mobile learning and flipped classrooms; instructional design and teaching practices; learning administration with technologies.

Examines how critical thinking can be taught in a variety of settings and disciplines.

Thousands of years ago, Galileo reportedly asserted, “ You cannot teach a man anything. You can only help him discover it within himself. ” With a focus on project-based learning, it motivates students to explore student success topics and to discover how they can apply these skills to their college experience. Project College Success shows that project-based learning actively engages and inspires students. Each ‘project’ introduces an authentic topic relevant to student success and then poses a question which directs student exploration. Through this guided inquiry, students work individually or in groups to discover and explore answers. Students can discuss, analyze, and evaluate various aspects of a current project topic. This approach sparks classroom dynamics, immerses students in diverse discussions, and prepares them for the workplace by promoting engagement and accelerated success through a learner-centered focus to achieve learning outcomes.

Technology in Education. Innovative Solutions and Practices

Critical Thinking and Learning

Mobile Learning and Mathematics

Handbook of Research on Using Educational Robotics to Facilitate Student Learning

Building Relationships for Student Success

Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications

An Encyclopedia for Parents and Teachers

An in-depth resource for workshops, professional learning communities, teacher training, and self-help. Topics include how to establish good classroom management and effective relationships with students.

Because literacy is not just the English teacher’s job Think literacy is just for English teachers? Not anymore. Nor should it be when you consider that each discipline has its own unique values and means of expression. These days, it’s up to all teachers to communicate what it means to be literate in their disciplines. Here, finally, is a book ambitious enough to tackle the topic across all major subject areas. Smagorinsky and his colleagues provide an insider’s lens on both the states of their fields and their specific literacy requirements,

including: Reviews of the latest issues and research Scenario-based activities for reflection and discussion Considerations of the textual forms and conventions required in all major disciplines

A perfect resource for high school mathematics teachers, this book helps them develop or refine their own teaching philosophy. They'll learn how to create a supportive classroom environment in which their students think together, take intellectual risks, and debate ideas. They'll gain a better understanding about the importance of cooperative learning strategies through immersion. And they'll engage in logic and reasoning. Puzzles and activities are presented to bring the material to life as well. All of this will help high school mathematics bring the excitement of the subject into the classroom.

-- Uses the stress-adaptation model as its conceptual framework -- The latest classification of psychiatric disorders in DSM IV -- Access to 50 psychotropic drugs with client teaching guidelines on our website -- Each chapter based on DSM IV diagnoses includes tables with abstracts describing recent research studies pertaining to specific psychiatric diagnoses -- Within the DSM IV section, each chapter features a table with guidelines for client/family education appropriate to the specific diagnosis -- Four new chapters: Cognitive Therapy, Complementary Therapies, Psychiatric Home Health Care, and Forensic Nursing -- Includes critical pathways for working in case management situations -- Chapters include objectives, glossary, case studies using critical thinking, NCLEX-style chapter review questions, summaries, and care plans with documentation standards in the form of critical pathways -- The only source to thoroughly cover assertiveness training, self-esteem, and anger/aggression management -- Key elements include historic and epidemiologic factors; background assessment data, with predisposing factors/symptomatology for each disorder; common nursing diagnoses with standardized guidelines for intervention in care; and outcome criteria, guidelines for reassessment, evaluation of care, and specific medication/treatment modalities -- Special topics include the aging individual, the individual with HIV/AIDS, victims of violence, and ethical and legal issues in psychiatric/mental health nursing -- Includes information on the Mental Status exam, Beck depression scale, and Holmes & Rahe scale defense mechanisms criteria

Digital Tools and Solutions for Inquiry-Based STEM Learning

Encyclopedia of Mathematics Education

Science Readers: A Closer Look: Basics of Matter Kit

Controlled, Guided, Modeled, and Free

Psychiatric/Mental Health Nursing

Mobile Learning and Mathematics provides an overview of current research on how mobile devices are supporting mathematics educators in classrooms across the globe. Through nine case studies, chapter authors investigate the use of mobile technologies over a range of grade levels and mathematical topics, while connecting chapters provide a strong foundational background in mobile learning theories, instructional design, and learner support. For current educators, Mobile Learning and Mathematics provides concrete ideas and strategies for integrating mobile learning into their mathematics instruction—for example, by sharing resources that will help implement Common Core State Standards, or by streamlining the process of selecting from the competing and often confusing technology options currently available. A cutting edge research volume, this collection also provides a springboard for educational researchers to conduct further study.