Effective Teaching A Guide For Community College Instructors Spiral Edition

What are the secrets to unlocking student success? And what can teachers do to get better at helping students develop deep understanding of content, attain higher-order thinking skills, and become secure, confident, and capable learners? In this book, teacher and professor Jeff Marshall showcases how teaching with intentionality answers these questions. Specifically, he introduces the Teacher Intentionality Practice Scale (TIPS), a framework for both supporting and measuring effective teaching. Taken together, the framework's seven TIPs provide a research-based, classroom-tested guide to help teachers * create coherent, connected lessons; * use strategies and resources, including technology, that truly enhance learning; * organize a safe, respectful learning environment; * develop challenging and rigorous learning experiences; * promote interactive, thoughtful learning; * nurture a creative, problem-solving classroom culture; and * deliver feedback and formative assessment that inform teaching and learning. Marshall's needs-assessment instrument can help teachers, working independently or in a cohort, determine the best starting point for improving their practice. Practical, straightforward rubrics for each TIP describe the various levels of teacher proficiency. Based on his own teaching experience and observations in hundreds of classrooms, Marshall also offers action tips for each framework component

and a list of resources for further study. Written for teachers and leaders at all levels and in all content areas, The Highly Effective Teacher is a guidebook for thoughtful, intentional teaching with one goal: success for all students, in every classroom. This second book in The Teacher's Essential Guide Series, a collection of quick-read guides offers targeted solutions to your most pressing instructional needs: how to build motivation, use meaningful assessment to monitor student learning and assign grades,create purposeful homework, use technology in ways that enhance learning,teach essential study skills, create lessons that engage all students. Burke's solutions are based on research and his experience as a veteran teacher ???? Effective Instruction zeroes in on the essentials that really matter, streamlining and simplifying teaching while boosting student engagement and achievement. Checklists help us work better. They help us manage complex tasks more effectively and ensure we apply what we know correctly and consistently. They've become indispensable for airline pilots and doctors, but can this low-tech approach to planning and problem solving demand a place in the teacher's toolkit? Teaching is complicated, with challenging decisions and important consequences, but it's in the most complex situations that a straightforward checklist can be the most useful. Goodwin and Hubbell present 12 daily touchstones--simple and specific things any teacher can do every day--to keep classroom practice focused on the hallmarks of effective instruction and in line with three essential imperatives for teaching: * Be demanding: Align teaching with

high expectations for learning. * Be supportive: Provide a nurturing learning environment. * Be intentional: Know why you're doing what you're doing. If there were one thing you could do each day to help one student succeed, you'd do it, wouldn't you? What about three things to help three students? What if there were 12 things you could do every day to help all of your students succeed? There are, and you'll find them here.

This book describes good practice in the primary school and offers advice particularly to beginning teachers and students. It begins by considering the children, their physical, intellectual and emotional development and the development of their self-image. It makes suggestions about ways in which a teacher can assess a new class and stresses the importance of motivation and first-hand experience. The Effective Primary School Classroom covers all the issues teachers are faced with in their day-to-day work and includes chapters on: managing time and space teaching and learning working in groups evaluation and record keeping classroom management working with support staff working with parents. In addition, there is discussion of ways of organising learning to help children acquire the learning set out in the National Curriculum. Including case studies and suggestions for investigations, this text is essential reading for student teachers about to begin school placements or newly qualified teachers just starting their first post. More experienced teachers and teacher trainers will also find the book a useful resource.

"Throughout this guide you will find specific strategies for teaching--the kind of practical advice that circulates among veteran teachers whenever they gather together ..."--Page i.

Aimed at teaching assistants who work closely with children with special educational needs, The Effective Teaching Assistant: A Practical Guide to Supporting Achievement for Pupils with SEND is a practical and accessible resource tailored precisely for teaching assistants' specific needs, which explores both the opportunities and limitations presented by their role. Each chapter provides both training activities and teaching resources designed to assist TAs/HLTAs in reflecting on their own experience while enhancing current practice. The chapters address key topics including SEND and inclusive teaching Multi-sensory teaching Supporting differentiation or adaptive teaching. Supplemented with checklists and useful diagrams, this text is essential reading for teaching assistants, students and practitioners. It is particularly relevant for students working in undergraduate, post graduate and professional development programmes.

This edited volume provides novice teachers with a practical guide to help them transition from teacher education students to independent, reflective and autonomous classroom teachers.

This entry in the James H. Stronge Research-to-Practice Series focuses on the characteristics of teachers who create supportive learning environments for their

students. By conveying a sense of immediacy, credibility, and caring, they communicate to students in both verbal and nonverbal ways that are essential to cultivating a positive and productive learning community. In this book, Stronge, Grant, and Hindman provide a comprehensive overview of the qualities of a supportive teacher. They offer a bridge between research-based theories and practical classroom applications, with templates, planning forms, and other reproducibles. The authors help teachers move toward establishing a learning environment that contributes to effective instructional practices. Topics include: engaging students and their families, effective communication, student ownership of the learning environment, and much more.

I hope that this guide was helpful and that you gained insights on learning how to learn. At the end of this book, you should be equipped with the basic knowledge of how to be an effective teacher or learner. This guide is certainly not an exhaustive discourse on this subject; I advise further research and additional reading to access more information to bolster your knowledge. Author Mary Felton

Designing courses to deliver effective teaching and significant learning is the best way to set students up for success, and this book guides readers through the process. The authors have worked with faculty world-wide, and share the stories of how faculty have transformed courses from theory to practice. They start with Dee Fink's foundation of integrating course design. Then they provide additional design concepts to expand the course blueprint to implement plans for communication, accessibility, technology

integration, as well as the assessment of course design as it fits into the assessment of programs and institutions, and how faculty can use what they learn to meet their professional goals.

A Guide to Better Teaching is a self-help book that provides anyone teaching a college course with a thorough understanding of what it takes to be an effective teacherwhether they are a new, an adjunct, or seasoned professor. The skills are divided into three core categories of Personality, Process and Performance. Self assessment guides are included to develop an appreciation for one's strengths and challenges. By identifying key skills, the book can be read in its entirety or in random fashion for specific development purposes.

Teachers can't teach effectively if they're demotivated and exhausted; and they shouldn't they have to! A Little Guide for Teachers: Teacher Wellbeing and Self-Care explains how wellbeing is essential to effective teaching, and gives teachers practical tools to take back control of the classroom. The Little Guide for Teachers series is little in size but BIG on all the support and inspiration you need to navigate your day to day life as a teacher. · Authored by experts in the field · Easy to dip in-and-out of · Interactive activities encourage you to write into the book and make it your own · Fun engaging illustrations throughout · Read in an afternoon or take as long as you like with it!

This book is a practical guide designed for teachers and trainee teachers to help them

improve their teaching skills. It presents a concise and readable introduction to the basic techniques and procedures required in the classroom together with practical exercises designed to develop skills.

The Fifth Edition of the highly praised Practical Guide for Medical Teachers provides a bridge between the theoretical aspects of medical education and the delivery of enthusiastic and effective teaching in basic science and clinical medicine. Healthcare professionals are committed teachers and this book is an essential guide to help them maximise their performance. This highly regarded book recognises the importance of educational skills in the delivery of quality teaching in medicine. The contents offer valuable insights into all important aspects of medical education today. A leading educationalist from the USA joins the book's editorial team. The continual emergence of new topics is recognised in this new edition with nine new chapters: The role of patients as teachers and assessors; Medical humanities; Decision-making; Alternative medicine; Global awareness; Education at a time of ubiquitous information; Programmative assessment; Student engagement; and Social accountability. An enlarged group of authors from more than 15 countries provides both an international perspective and a multi-professional approach to topics of interest to all healthcare teachers.

This exciting new edition of the best-selling and beloved teacher's companion looks at the everyday behaviour issues facing teachers working in today's classrooms.

Describing real situations and dilemmas, Bill Rogers provides theoretically sound strategies and best practices to support you in meeting the challenges of the job, as well as building up a rapport with both students and colleagues to enable positive and productive learning environments. Written jargon-free in Bill's accessible and empathetic voice it includes in-depth strategies, practical examples, case studies and pragmatic hints and tips to put in to practice. This will make for informative and inspiring reading to all those involved in educating our children and young people. The new edition has been revised and updated and now also includes access to an interactive website packed with a host of extra material to take you further. Visit https://study.sagepub.com/rogers4e to access: Videos of Bill demonstrating his behaviour strategies in real classroom settings Podcasts where Bill explains his ideas and ethos in more detail as well as answering teachers' FAQs Extra reading material for even more support on difficult subjects Behaviour Management Tool Templates to use with students in the everyday classroom Role-play scenario cards to help understand and prepare for challenging situations "We often think of behaviour management in terms of dealing with challenging behaviour, but Dr Rogers begins by looking at classroom organisation and whole-class strategies. Alongside the theory, he provides examples that create a much deeper understanding of exactly what works and what doesn't." - Special magazine BILL ROGERS IN THE UK! Dr Bill Rogers will be lecturing in the UK and for schools, authorities and universities this autumn 2017, mid-

September to mid-December. For details of events, or to book Bill in to do training for your organization, please contact Lora Rogers at lrrogers07@gmail.com See his website for further information http://www.billrogers.com.au

A Guide to Teaching Effective Seminars provides college and university faculty with a new approach to thinking about their teaching and helps them develop a deeper understanding of conversation itself. Seminars often inspire collaborative learning and produce rich educational environments, yet even experienced faculty find these conversations can range in quality. A Guide to Teaching Effective Seminars addresses this challenge by presenting a sociolinguistic perspective on seminars and providing instructors with best practices to manage successful seminars. Grounded in research, data, and her own deep experience teaching seminars, author Susan Fiksdal reveals ways students negotiate perspectives on reading, on conversation, and on social identities and power. By giving readers an appreciation of the discourse of seminars, the book helps to undermine stereotypes about language and people, increase civility, reduce misunderstandings, and foster tolerance for new ideas and diverse ways of expressing them. This important resource is for faculty members at all levels of experience and in every discipline who want practical advice about facilitating effective seminars. Special Features: Each chapter explores a key aspect of conversation with examples from a wide range of seminars across disciplines. Transcripts from videotaped seminars showcase authentic conversations and negotiations between

students. End-of-chapter best practices promote critical thinking and collaboration. A companion website features video clips of the transcripts in the book and additional resources.

A road map for teachers who strive to be highly effective leaders in our nation's classrooms Teach For America has fought the daunting battle of educational equity for the last twenty years. Based on evidence from classrooms across the country, they've discovered much about effective teaching practice, and distilled these findings into the six principles presented in this book. The Teaching As Leadership framework inspires teachers to: Set Big Goals; Invest Students and Their Families; Plan Purposefully; Execute Effectively; Continuously Increase Effectiveness; Work Relentlessly. The results are better educational outcomes for our nation's children, particularly those who live in low-income communities. Inspires educators to be leaders in their classrooms and schools Demystifies what it means to be an effective teacher, describes key elements of practice and provides a clear vision of success Addresses the challenges every teacher, in every classroom, faces on a daily basis An accompanying website includes a wealth of tools, videos, sample lessons, discussion boards, and case studies. Written in an informative and jargon-free style, this book is guided by principles of good practice and covers the relevant theory to deal with the essential aspects of

designing a course. Important areas covered include: learning levels and outcomes aligning learning and teaching strategies assessment methods course management C&IT resources. In this concise guide, the authors look to the future in terms of integration of computing and technology in course design and consider the promotion of student learning, the diversity of the student body and the need to create inclusive learning environments.

This popular guide offers a wealth of innovative, research-based strategies for making K–12 classrooms the best learning environments they can be. Easy-to-implement best practices are presented for establishing a classroom management plan, organizing procedures and materials, building a respectful community, fostering peer collaboration, and engaging students in interactive learning. Each of the 50 strategies includes step-by-step instructions, the amount of time needed to implement, and the recommended grade level. In a large-size format for easy photocopying, the book features ready-to-use reproducibles. 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.

Part of the Prentice Hall Series in Educational Innovation for Chemistry, this unique book is a collection of information, examples, and references on learning theory, teaching methods, and pedagogical issues related to teaching chemistry to college students. In the last several years there has been considerable activity and research in chemical education, and the materials in this book integrate the latest developments in chemistry. Each chapter is written by a chemist who has some expertise in the specific technique discussed, has done some research on the technique, and has applied the technique in a chemistry course.

In early 2020, because of COVID-19, many colleges and schools around the world closed, and many teachers, instructors, and faculty members had to learn how to teach online in a hurry. This book takes a step back, and focuses on helping educators teach effective live online sessions with Zoom. Dan Levy, a faculty member at Harvard University, offers practical pedagogical advice for educators on questions such as: -Why and how to use breakout rooms?-Should you use chat, and if so, how?-How do you build community in a virtual classroom?The book is based on the author's own experience teaching in person and online at Harvard University, observations of several colleagues teaching virtually, research-based principles of effective teaching and learning, tips from the readers of the first edition of the book, and, perhaps just as importantly,

interviews with dozens of students who have had to adapt to online learning. This second edition, updated for 2021, incorporates more innovative practices from a wider range of instructors and includes teaching approaches that are made possible by updates or new features that Zoom launched after the first edition was published.

This book shows principals how to successfully balance the needs and priorities of their schools while continuously developing and refining their leadership skills. Written to meet the needs of teachers, lecturers and tutors working at different levels and in many situations, this is the guide to surveying and understanding the key issues, best practices and new developments in business and management studies. Teaching in this field is a multi-faceted experience. The authors use an international perspective and support a wide range of situations by concentrating on five key areas: * the teaching and supporting of learning * the design and planning of learning activities * assessment and giving feedback to students * developing effective learning environments and student learning support systems * reflective practice and professional development. Practical and clear, this book will prove an invaluable guide for all those with an interest in developing business and management education and is essential reading for all those looking for professional accreditation for recognition of their teaching. It is

also indispensable for the less experienced teacher seeking material for reflection and advice.

The sixth edition of Methods for Effective Teaching provides the most current research-based coverage of teaching methods for K-12 classrooms on the market today. In a straightforward, user-friendly tone, the expert author team writes to prepare current and future educators to be effective in meeting the needs of all the students they teach. In this new edition, all content is carefully aligned to professional standards, including the recently revised InTASC standards. Uniquely emphasizing today's contemporary issues, such as both teacher-centered and student-centered strategies; a myriad of ways to differentiate instruction, promote student thinking, and actively engage students in learning; approaches for teaching English language learners, and an added emphasis on culturally responsive teaching, this highly-regarded textbook is the perfect combination of sound teaching methods and cutting edge content.

The Essential Guide to Classroom Practice has been written with two questions in mind. These are the questions that are most important to all practitioners who seek to improve the quality of learning in their classrooms – what strategies work? and, how do we implement them? Covering all the areas that are key to effective teaching and learning, this text consists of over 200 practical strategies that secondary teachers can adopt and apply within their classroom. These strategies range from simple tools to improve the quality of questioning, to principles that can shape the whole approach to

learning. Key topics covered include: The five-part lesson plan Developing thinking skills How to engage learners Encouraging collaborative learning Challenging and supporting Feedback and assessment A key feature of this book is the handy collection of 'Top 10s' that appear in each chapter, such as 10 ways to use data in the classroom and 10 ways to streamline your marking. The book clearly explains the benefit of each approach described and offers additional guidance on using websites and digital tools effectively in the classroom. Packed full of ideas, the book offers a one stop shop for busy teachers.

Now in its third edition, this bestseller has remained popular, relevant, and a must-read for new teachers, mentors, administrators, and staff development professionals. Appropriate for individual or collaborative study, this book provides simple, practical solutions to the challenges experienced by both new and veteran teachers, including: • managing the classroom; • handling discipline problems; • dealing with challenging students, coworkers, and parents; • planning lessons effectively and managing time wisely; • accommodating individual differences in students; • getting students excited about learning; • and much, much more. In this new edition, you'll find advice on incorporating technology into your lessons and using social media to connect with others. You'll also find new Ask Yourself questions (following each of the 101 Answers) and Chapter Highlights to help you apply the ideas in your own classroom. These resources are available in the book and on our website for easy download. Though

written for new teachers, the book's practical, easy-to-implement strategies will appeal to teachers of any grade level, subject area, or level of expertise, as well as to mentors, induction coordinators, or anyone seeking to find answers to classroom challenges and improve teaching skills.

What if everything we thought we knew about effective teacher evaluations was wrong? A Guide to Impactful Teacher Evaluations walks educators through an important shift in thinking about how to evaluate teachers: from systems focused on individuals and results to solutions focused on collectives and processes. Disregarding older, ineffective models that rely on faulty assumptions, this book embraces new approaches for measuring teacher competency that achieve valid assessment of effective teaching, teacher professional growth, and student learning. Chapters explore teacher evaluation systems based on professional learning community principles, confront the current system of teacher evaluation that has led to frustration, criticism, and disrespect, provide strategies for delivering new skills and supporting teachers' growth, and include "Tips and Talking Points" for schools and districts. Outlining best practice and sharing actionable tools grounded in collaboration and teamwork, this book helps K-12 school leaders explore teacher evaluation that has a real and lasting impact on the profession and student learning.

We are constantly learning, either we want or not. Learning is very natural to our brains, and it is (or it should be) enjoyable. What is the best way then to learn about effective

learning? Making the process simple and fun. Cartoons are a very effective method because we learn with stories, we learn with observations and being part of a narrative. This is the idea of the authors, Harvard Professor and neuroscientist Felipe Fregni and Federal University of Sao Paulo Professor of Systems Thinking Joao Arantes, when they got together to write this cartoon book about learning and how to use this knowledge in teaching practices.This book follows the book of Critical Thinking in Teaching and Learning (Felipe Fregni, 2019) and in 191 cartoons the authors show using funny and simple illustrations the basic neural principles of learning (including the basic principles of neuroplasticity, how we encode new information, the attentional system and learning, memory and learning, the critical importance of our motivation system and how to activate that in educational programs, how stress affect (or help) learning and the use of social interaction in educational programs) and how to apply these principles for teaching (including teaching methods (student-centered vs. teacher-centered methods), online teaching, teaching critical thinking and assessments).We all need to become better learners, especially in a society when fact memorization is no longer important. This book is, therefore, an essential guide to every student and teacher looking to improving their own and their students learning experience.
What makes a good college teacher? This book provides an evidence- based answer to that question by presenting a set of "model teaching characteristics" that define what makes a good college teacher. Based on six fundamental areas of teaching

competency known as Model Teaching Characteristics outlined by The Society for the Teaching of Psychology (STP), this book describes how college faculty from all disciplines and at all levels of experience can use these characteristics to evaluate, guide, and improve their teaching. Evidence based research supports the inclusion of each characteristic, each of which is illustrated through example, to help readers master the skills. Readers learn to evaluate their teaching abilities by providing guidance on what to document and how to accumulate and organize the evidence. Two introductory chapters outline the model teaching characteristics followed by six chapters, each devoted to one of the characteristics: training, instructional methods, course content, assessment, syllabus construction, and student evaluations. The book: -Features in each chapter self-evaluation surveys that help readers identify gaps between the model characteristics and their own teaching, case studies that illustrate common teaching problems, discussion questions that encourage critical thinking, and additional readings for further exploration. -Discusses the need to master teaching skills such as collaborative learning, listening, and using technology as well as discipline-specific knowledge. -Advocates for the use of student-learning outcomes to help teachers better evaluate student performance based on their achievement of specific learning goals. -Argues for the development of learning objectives that reflect the core of the discipline's theories and applications, strengthen basic liberal arts skills, and infuse ethical and diversity issues. -Discusses how to solicit student feedback and

utilize these evaluations to improve teaching. Intended for professional development or teacher training courses offered in masters and doctoral programs in colleges and universities, this book is also an invaluable resource for faculty development centers, college and university administrators, and college teachers of all levels and disciplines, from novice to the most experienced, interested in becoming more effective teachers. Unleash powerful teaching and the science of learning in your classroom Powerful Teaching: Unleash the Science of Learning empowers educators to harness rigorous research on how students learn and unleash it in their classrooms. In this book, cognitive scientist Pooja K. Agarwal, Ph.D., and veteran K–12 teacher Patrice M. Bain, Ed.S., decipher cognitive science research and illustrate ways to successfully apply the science of learning in classrooms settings. This practical resource is filled with evidence-based strategies that are easily implemented in less than a minute—without additional prepping, grading, or funding! Research demonstrates that these powerful strategies raise student achievement by a letter grade or more; boost learning for diverse students, grade levels, and subject areas; and enhance students' higher order learning and transfer of knowledge beyond the classroom. Drawing on a fifteen-year scientist-teacher collaboration, more than 100 years of research on learning, and rich experiences from educators in K–12 and higher education, the authors present highly accessible step-by-step guidance on how to transform teaching with four essential strategies: Retrieval practice, spacing, interleaving, and feedback-driven metacognition.

With Powerful Teaching, you will: Develop a deep understanding of powerful teaching strategies based on the science of learning Gain insight from real-world examples of how evidence-based strategies are being implemented in a variety of academic settings Think critically about your current teaching practices from a research-based perspective Develop tools to share the science of learning with students and parents, ensuring success inside and outside the classroom Powerful Teaching: Unleash the Science of Learning is an indispensable resource for educators who want to take their instruction to the next level. Equipped with scientific knowledge and evidence-based tools, turn your teaching into powerful teaching and unleash student learning in your classroom. This survey aims to help countries review and develop policies to make the teaching profession more attractive and more effective.

A Practical Guide to Teaching and Learning contains a compilation of fifteen main ideas or concepts that will help teachers to become better at what they do to help learners reach their potential. Each concept is a common sense approach that is backed by research and provides an understanding of what a teacher should know and be able to do as an effective professional in their classroom. Ultimately, it is the teacher behaviors that have an impact on the student behaviors, and each chapter provides sound suggestions and tips to set the teaching and learning relationship up for success. At the end of the chapters, there are Reflection Scenarios to assist the reader in thinking through possible issues and assist the reader in applying the concept to situations in their own practice. There are also guiding questions to stimulate personal reflection and may be helpful if using the book for a book study for professional

learning community dialog and discussion.

TEACHING STRATEGIES: A GUIDE TO EFFECTIVE INSTRUCTION, now in its tenth edition, is known for its practical, applied help with commonly used classroom teaching strategies and tactics. Ideal for anyone studying education or involved in a site-based teacher education program, the book focuses on topics such as lesson planning, questioning, and small-group and cooperative-learning strategies. The new edition maintains the book's solid coverage, while incorporating new and expanded material on InTASC standards, a new chapter on teaching in the inclusive classroom, and an up-to-date discussion of assessment as it relates to inclusion. The text continues to be supported by a rich media package anchored by TeachSource Video Cases, which bring text content to life in actual classroom situations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Provides guidance on personal development to inspire professional effectiveness.

Geeky Pedagogy is a funny, evidence-based, multidisciplinary, pragmatic, highly readable guide to the process of learning and relearning how to be an effective college teacher. It is the first college teaching guide that encourages faculty to embrace their inner nerd, inviting readers to view themselves and their teaching work in light of contemporary discourse that celebrates increasingly diverse geek culture and explores stereotypes about super-smart introverts. Geeky Pedagogy avoids the excessive jargon, humorlessness, and endless proscriptions that plague much published advice about teaching. Neuhaus is aware of how embodied identity and employment status shape one's teaching context, and she eschews formulaic depictions of idealized exemplar teaching, instead inviting readers to join her in an

engaging, critically reflective conversation about the vicissitudes of teaching and learning in higher education as a geek, introvert, or nerd. Written for the wonks and eggheads who want to translate their vast scholarly expertise into authentic student learning, Geeky Pedagogy is packed with practical advice and encouragement for increasing readers' pedagogical knowledge

Higher education is a strange beast. Teaching is a critical skill for scientists in academia, yet one that is barely touched upon in their professional training—despite being a substantial part of their career. This book is a practical guide for anyone teaching STEM-related academic disciplines at the college level, from graduate students teaching lab sections and newly appointed faculty to well-seasoned professors in want of fresh ideas. Terry McGlynn's straightforward, no-nonsense approach avoids off-putting pedagogical jargon and enables instructors to become true ambassadors for science. For years, McGlynn has been addressing the need for practical and accessible advice for college science teachers through his popular blog Small Pond Science. Now he has gathered this advice as an easy read—one that can be ingested and put to use on short deadline. Readers will learn about topics ranging from creating a syllabus and developing grading rubrics to mastering learning management systems and ensuring safety during lab and fieldwork. The book also offers advice on cultivating productive relationships with students, teaching assistants, and colleagues.

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