

Reviews by readers on Amazon.com

- *Teaching and Learning STEM: A Practical Guide*, by Richard Felder and Rebecca Brent, is a good resource for the college-level educator, although its tips can be useful for lower-level teachers as well. This is a good book to have available on the shelf. (by Mike Cunha)
- If you liked *How Learning Works* or *Make it Stick*, this book goes one step further and provides useful tips and practical suggestions for beginning and/or experienced instructors in STEM disciplines. The book is full of ideas that one can begin to use immediately in small or large classes. The goal of the book is to get students actively engaged in the classroom rather than passively listening to a lecture. Of the previous books mentioned, this one is my favorite. (by KS)
- Felder and Brent offer a thorough look at using the latest research on how we learn to teach STEM. They discuss common difficulties and complaints professors have in regard to teaching these subjects. They explain what research has found about how our minds work with regards to learning and memory. The book is well referenced, letting the reader easily look for more details, if they desire, though the book does an excellent job on its own. An excellent resource that will benefit you and your students. (by Just Me)
- This book emphasizes learner-centered teaching techniques and gives you good reasons why they work for more students than the old lecture, lecture, lecture technique. To that end the authors discuss how brains learn. Then they walk you through writing everything from course objectives to individual class session plans, how to evaluate how students are doing, and how to prepare for your first class. So much has been written about STEM teaching and learning in the last decade or so that I was actually expecting this book to be about lower grades and not teaching at the college level. Not that high school teachers of all stripes can't learn from this book—it just surprised me to find that college professors had still not jumped on board. (by The Invisible Pam)
- You won't find a better overall guide to teaching in the STEM disciplines. (by M. Prince)
- Almost everything in this book could be applied to teaching English and Language Arts as well. All that is needed is a little changing of the names to protect the innocent. (by Amelia G. Earhart)
- A fantastic book. (by Robinson Vida Noronha)
- Great book that summarizes all the things you need to know about creating effective lessons. (by Amazon Customer)
- I am a mechanical engineer who has, for 37 years, been engaged in training professionals in management and communication skills. I've found that the active teaching methods taught in this book apply just as well to that type of training as they do to science and engineering education. The methods address the different types of learners present in most classes and provide simple guidelines for creating an effective learning environment for them.
All of us are teachers at one time or another. Whether you teach STEM or other subjects, if you want to be a teacher who can communicate and inspire others to continue their self-learning long after the classes are over, then I highly recommend this book! (by David Bluestein)
- The most organized book on the topic. Plug and play. (by Cisaacs)
- Great resource! Felder and Brent have collected up all the wonderful ideas from their wealth of publications and then some to create this book. Both beginning and veteran faculty can find much of use in this volume. The authors have skillfully combined a step-by-step how-to guide in many instances with readable compilations of the latest research on human learning. Any science or engineering instructor would benefit from having this book on their shelves. (by lhodges)