Google Drive



Teaching and Learning STEM: A Practical Guide

Richard M. Felder, Rebecca Brent

Download now

Click here if your download doesn"t start automatically

Teaching and Learning STEM: A Practical Guide

Richard M. Felder, Rebecca Brent

Teaching and Learning STEM: A Practical Guide Richard M. Felder, Rebecca Brent
Rethink traditional teaching methods to improve student learning and retention in STEM

Educational research has repeatedly shown that compared to traditional teacher-centered instruction, certain learner-centered methods lead to improved learning outcomes, greater development of critical high-level skills, and increased retention in science, technology, engineering, and mathematics (STEM) disciplines.

Teaching and Learning STEM presents a trove of practical research-based strategies for designing and teaching courses and assessing students' learning. The book draws on the authors' extensive backgrounds and decades of experience in STEM education and faculty development. Its engaging and well-illustrated descriptions will equip you to implement the strategies in your courses and to deal effectively with problems (including student resistance) that might occur in the implementation. The book will help you:

- Plan and conduct class sessions in which students are actively engaged, no matter how large the class is
- Make good use of technology in face-to-face, online, and hybrid courses and flipped classrooms
- Assess how well students are acquiring the knowledge, skills, and conceptual understanding the course is designed to teach
- Help students develop expert problem-solving skills and skills in communication, creative thinking, critical thinking, high-performance teamwork, and self-directed learning
- Meet the learning needs of STEM students with a broad diversity of attributes and backgrounds

The strategies presented in *Teaching and Learning STEM* don't require revolutionary time-intensive changes in your teaching, but rather a gradual integration of traditional and new methods. The result will be continual improvement in your teaching and your students' learning.

Download Teaching and Learning STEM: A Practical Guide ...pdf

Read Online Teaching and Learning STEM: A Practical Guide ...pdf

Download and Read Free Online Teaching and Learning STEM: A Practical Guide Richard M. Felder, Rebecca Brent

---

From reader reviews:

Hilda Baker:

In other case, little people like to read book Teaching and Learning STEM: A Practical Guide. You can choose the best book if you love reading a book. As long as we know about how is important some sort of book Teaching and Learning STEM: A Practical Guide. You can add understanding and of course you can around the world by the book. Absolutely right, since from book you can recognize everything! From your country right up until foreign or abroad you may be known. About simple factor until wonderful thing you may know that. In this era, you can open a book or maybe searching by internet device. It is called e-book. You need to use it when you feel bored to go to the library. Let's examine.

Linda Carroll:

Book is to be different for each and every grade. Book for children right up until adult are different content. As it is known to us that book is very important for all of us. The book Teaching and Learning STEM: A Practical Guide ended up being making you to know about other information and of course you can take more information. It is very advantages for you. The book Teaching and Learning STEM: A Practical Guide is not only giving you more new information but also to become your friend when you feel bored. You can spend your spend time to read your publication. Try to make relationship with all the book Teaching and Learning STEM: A Practical Guide. You never truly feel lose out for everything when you read some books.

Mark Gallegos:

The event that you get from Teaching and Learning STEM: A Practical Guide may be the more deep you searching the information that hide in the words the more you get thinking about reading it. It doesn't mean that this book is hard to know but Teaching and Learning STEM: A Practical Guide giving you thrill feeling of reading. The author conveys their point in particular way that can be understood by means of anyone who read it because the author of this e-book is well-known enough. That book also makes your vocabulary increase well. It is therefore easy to understand then can go together with you, both in printed or e-book style are available. We recommend you for having this kind of Teaching and Learning STEM: A Practical Guide instantly.

Ruth Davis:

Reading a publication can be one of a lot of exercise that everyone in the world really likes. Do you like reading book therefore. There are a lot of reasons why people enjoyed. First reading a publication will give you a lot of new information. When you read a guide you will get new information since book is one of various ways to share the information or even their idea. Second, examining a book will make an individual more imaginative. When you reading through a book especially tale fantasy book the author will bring someone to imagine the story how the character types do it anything. Third, it is possible to share your knowledge to other individuals. When you read this Teaching and Learning STEM: A Practical Guide, you

can tells your family, friends in addition to soon about yours reserve. Your knowledge can inspire the others, make them reading a guide.

Download and Read Online Teaching and Learning STEM: A Practical Guide Richard M. Felder, Rebecca Brent #XY40HTAP9QL

Read Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent for online ebook

Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent books to read online.

Online Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent ebook PDF download

Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent Doc

Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent Mobipocket

Teaching and Learning STEM: A Practical Guide by Richard M. Felder, Rebecca Brent EPub