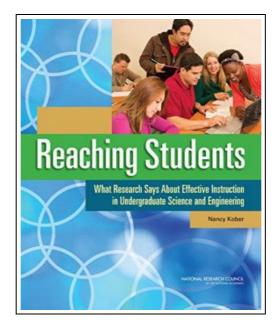
Reaching Students: What Research Says About Effective Instruction in Undergraduate Science and Engineering



Filesize: 4.06 MB

Reviews

This ebook will never be effortless to get started on studying but extremely fun to read through. It is actually writter in easy phrases and never difficult to understand. It is extremely difficult to leave it before concluding, once you begin to read the book. (Pearl Corwin)

REACHING STUDENTS: WHAT RESEARCH SAYS ABOUT EFFECTIVE INSTRUCTION IN UNDERGRADUATE SCIENCE AND ENGINEERING



National Academies Press, United States, 2015. Paperback. Book Condition: New. 251 x 213 mm. Language: English. Brand New Book. The undergraduate years are a turning point in producing scientifically literate citizens and future scientists and engineers. Evidence from research about how students learn science and engineering shows that teaching strategies that motivate and engage students will improve their learning. So how do students best learn science and engineering? Are there ways of thinking that hinder or help their learning process? Which teaching strategies are most effective in developing their knowledge and skills? And how can practitioners apply these strategies to their own courses or suggest new approaches within their departments or institutions? Reaching Students strives to answer these questions. Reaching Students presents the best thinking to date on teaching and learning undergraduate science and engineering. Focusing on the disciplines of astronomy, biology, chemistry, engineering, geosciences, and physics, this book is an introduction to strategies to try in your classroom or institution. Concrete examples and case studies illustrate how experienced instructors and leaders have applied evidence-based approaches to address student needs, encouraged the use of effective techniques within a department or an institution, and addressed the challenges that arose along the way. The research-based strategies in Reaching Students can be adopted or adapted by instructors and leaders in all types of public or private higher education institutions. They are designed to work in introductory and upper-level courses, small and large classes, lectures and labs, and courses for majors and non-majors. And these approaches are feasible for practitioners of all experience levels who are open to incorporating ideas from research and reflecting on their teaching practices. This book is an essential resource for enriching instruction and better educating students.



Read Reaching Students: What Research Says About Effective Instruction in Undergraduate Science and Engineering Online Download PDF Reaching Students: What Research Says About Effective Instruction in Undergraduate Science and Engineering

Other PDFs



The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality Program

Brookes Publishing Co, United States, 2015. Paperback. Book Condition: New. 274 x 213 mm. Language: English. Brand New Book. Filled with tips, tools, and strategies, this book is the comprehensive, practical toolbox preschool administrators...

Download Book

»



A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****. The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to...

Download Book

»



Mass Media Law: The Printing Press to the Internet

Peter Lang Publishing Inc, United States, 2013. Paperback. Book Condition: New. New. 251 x 175 mm. Language: English . Brand New Book. Digital media law is now the dynamic legal territory. Mass Media Law: The...

Download Book

»



$Who \, Am\,I \, in \, the\, Lives \, of\, Children? \, an\, Introduction \, to\, Early\, Childhood\, Education \, with\, Enhanced\, Pearson\, Etext\, --\, Access\, Card\, Package\, Childhood\, Education\, Childhood\, Education\, Childhood\, Childhood\, Education\, Childhood\, Chil$

Pearson, United States, 2015. Paperback. Book Condition: New. 10th. 251 x 203 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

Download Book

..



Violin Concerto, Op.82: Study Score

Petrucci Library Press, United States, 2014. Paperback. Book Condition: New. Urtext ed.. 274 x 213 mm. Language: English. Brand New Book ***** Print on Demand *****. Premiered by the renowned violinist Leopold Auer in St....

Download Book

»