

The Math Myth: And Other STEM Delusions

By Andrew Hacker

Download Read Online

The Math Myth: And Other STEM Delusions By Andrew Hacker

Andrew Hacker's 2012 *New York Times* op-ed questioning the requirement of advanced mathematics in our schools instantly became one of the paper's most widely circulated articles. Why, he wondered, do we inflict a full menu of mathematics—algebra, geometry, trigonometry, even calculus—on all young Americans, regardless of their interests or aptitudes?

The Math Myth expands Hacker's scrutiny of many widely held assumptions, like the notions that mathematics broadens our minds, that mastery of azimuths and asymptotes will be needed for most jobs, that the entire Common Core syllabus should be required of every student. He worries that a frenzied emphasis on STEM is diverting attention from other pursuits and subverting the spirit of the country.

In fact, Hacker honors mathematics as a calling (he has been a professor of mathematics) and extols its glories and its goals. Yet he shows how mandating it for everyone prevents other talents from being developed and acts as an irrational barrier to graduation and careers. He proposes alternatives, including teaching facility with figures, quantitative reasoning, and understanding statistics.

The Math Myth is sure to spark a heated and needed national conversation not just about mathematics but about the kind of people and society we want to be.

Download The Math Myth: And Other STEM Delusions ...pdf

Read Online The Math Myth: And Other STEM Delusions ...pdf

The Math Myth: And Other STEM Delusions

By Andrew Hacker

The Math Myth: And Other STEM Delusions By Andrew Hacker

Andrew Hacker's 2012 *New York Times* op-ed questioning the requirement of advanced mathematics in our schools instantly became one of the paper's most widely circulated articles. Why, he wondered, do we inflict a full menu of mathematics—algebra, geometry, trigonometry, even calculus—on all young Americans, regardless of their interests or aptitudes?

The Math Myth expands Hacker's scrutiny of many widely held assumptions, like the notions that mathematics broadens our minds, that mastery of azimuths and asymptotes will be needed for most jobs, that the entire Common Core syllabus should be required of every student. He worries that a frenzied emphasis on STEM is diverting attention from other pursuits and subverting the spirit of the country.

In fact, Hacker honors mathematics as a calling (he has been a professor of mathematics) and extols its glories and its goals. Yet he shows how mandating it for everyone prevents other talents from being developed and acts as an irrational barrier to graduation and careers. He proposes alternatives, including teaching facility with figures, quantitative reasoning, and understanding statistics.

The Math Myth is sure to spark a heated and needed national conversation not just about mathematics but about the kind of people and society we want to be.

The Math Myth: And Other STEM Delusions By Andrew Hacker Bibliography

- Sales Rank: #120061 in Books
- Published on: 2016-03-01
- Original language: English
- Number of items: 1
- Dimensions: 8.30" h x 1.10" w x 5.50" l, .0 pounds
- Binding: Hardcover
- 240 pages

Download The Math Myth: And Other STEM Delusions ...pdf

Read Online The Math Myth: And Other STEM Delusions ...pdf

Download and Read Free Online The Math Myth: And Other STEM Delusions By Andrew Hacker

Editorial Review

Review

Praise for *The Math Myth*:
“In the meantime, it’s probably a good idea to give students multiple math pathways toward high school and college graduation—some less challenging than others. If we don’t, we’ll be punishing kids for the failures of an entire system.”
—*Slate*

“*The Math Myth* is a worthwhile read, even if you are among the educators who become apoplectic at the suggestion that students shouldn’t have to grapple with polynomial functions.”
—*National Book Review*

“Not one to decelerate, at 86 [Hacker] is doing nothing less than taking on the mathosphere.”
—*New York Times* Education Life

“Hacker's accessible arguments offer plenty to think about and should serve as a clarion call to students, parents, and educators who decry the one-size-fits-all approach to schooling.”
—*Publishers Weekly* (starred review)

“A lively argument against the assumption that if the United States is to stay competitive in a global economy, our students require advanced training in mathematics.”
—*Kirkus Reviews*

“*The Math Myth* persuasively and satisfyingly debunks assertions about the practical value of requiring all students to master higher-level mathematics—and also points up the real harm caused by the Common Core standards and college-admission exams, which are constructed on those dubious claims. In a friendly and accessible style, Hacker, himself no slouch in terms of quantitative expertise, systematically demolishes every argument used to support the advanced-math-for-all position. His book is now my go-to resource on this topic.”
—Alfie Kohn, author of *Schooling Beyond Measure* and *The Homework Myth*

“*The Math Myth* is an important book. Hacker demolishes some totally unrealistic policies that will prevent many students from ever receiving a high school diploma and leading useful lives.”
—Diane Ravitch, author of *Reign of Error* and *The Death and Life of the Great American School System*

“*The Math Myth* vividly demonstrates that America’s uncritical celebration of school mathematics does a disservice to students, institutions of learning, and the wide array of urgent public needs. His book is important and timely—and a great read.”
—Howard Gardner, Professor at the Harvard Graduate School of Education and author of *The Unschooled Mind*

“I love every single word and idea. Andrew Hacker may make some enemies, but truth is truth!”
—Debora Meier, author of *In Schools We Trust* and *The Power of Their Ideas*

“Andrew Hacker exposes the inconvenient truth that the majority of college students will never need to use

quadratic equations in their majors and even fewer will ever need them on the job. Hacker shows convincingly that our current math curriculum has become too much of a good thing—an artificial barrier to the deeper learning at the heart of true vocations."
—Anthony Carnevale, Director of the Georgetown University Center on Education and the Workforce

Praise for *Mismatch*:
"Few people writing today for a general audience can make more sense of numbers."
—*The Wall Street Journal*

Praise for *Money*:
"A political scientist doing with statistics what Fred Astaire did with hats, canes, and chairs…He doesn't crunch numbers, he makes them live and breathe."
—*Newsweek*

Praise for *Two Nations*:
"His insights into the racial wounds that refuse to close are searing, and urgently need to be addressed."
—*Kirkus*

"Witty at times and searingly direct."
—*Publishers Weekly*

Praise for *Higher Education?*:
"Andrew Hacker and Claudia Dreifus have written a lucid, passionate and wide-ranging book on the state of American higher education."
—*The New York Times*

About the Author
Andrew Hacker is the author of ten books and teaches both political science and mathematics at Queens College. He lives in New York City.

Users Review

From reader reviews:

Ellen Weiss:

As people who live in the modest era should be revise about what going on or info even knowledge to make these individuals keep up with the era which is always change and make progress. Some of you maybe will certainly update themselves by examining books. It is a good choice in your case but the problems coming to anyone is you don't know what type you should start with. This The Math Myth: And Other STEM Delusions is our recommendation to make you keep up with the world. Why, because book serves what you want and wish in this era.

Mark Copeland:

This The Math Myth: And Other STEM Delusions tend to be reliable for you who want to be considered a successful person, why. The main reason of this The Math Myth: And Other STEM Delusions can be one of the great books you must have is giving you more than just simple studying food but feed you with information that perhaps will shock your previous knowledge. This book is handy, you can bring it just about

everywhere and whenever your conditions throughout the e-book and printed versions. Beside that this The Math Myth: And Other STEM Delusions forcing you to have an enormous of experience for example rich vocabulary, giving you test of critical thinking that could it useful in your day task. So , let's have it and enjoy reading.

Clarence Cavins:

Many people spending their time period by playing outside together with friends, fun activity with family or just watching TV all day long. You can have new activity to spend your whole day by examining a book. Ugh, do you think reading a book can actually hard because you have to take the book everywhere? It okay you can have the e-book, delivering everywhere you want in your Mobile phone. Like The Math Myth: And Other STEM Delusions which is finding the e-book version. So , why not try out this book? Let's see.

Alexander Pridmore:

What is your hobby? Have you heard in which question when you got scholars? We believe that that issue was given by teacher on their students. Many kinds of hobby, Everyone has different hobby. And also you know that little person such as reading or as looking at become their hobby. You have to know that reading is very important and also book as to be the factor. Book is important thing to add you knowledge, except your own personal teacher or lecturer. You find good news or update concerning something by book. Numerous books that can you go onto be your object. One of them is niagra The Math Myth: And Other STEM Delusions.

Download and Read Online The Math Myth: And Other STEM Delusions By Andrew Hacker #GBK78EC163D

Read The Math Myth: And Other STEM Delusions By Andrew Hacker for online ebook

The Math Myth: And Other STEM Delusions By Andrew Hacker 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 The Math Myth: And Other STEM Delusions By Andrew Hacker books to read online.

Online The Math Myth: And Other STEM Delusions By Andrew Hacker ebook PDF download

The Math Myth: And Other STEM Delusions By Andrew Hacker Doc

The Math Myth: And Other STEM Delusions By Andrew Hacker Mobipocket

The Math Myth: And Other STEM Delusions By Andrew Hacker EPub