

"A good teacher will leave you educated. But a great teacher will leave you curious. Well, Barbara Oakley is a great teacher. Not only does she have a mind for numbers, she has a way with words, and she makes every one of them count."

— Mike Rowe, creator and host of Discovery Channel's *Dirty Jobs* and CEO of *mikeroeweWORKS*

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# Mind For Numbers Science Flunked

**L Cohen**



## **Mind For Numbers Science Flunked:**

**A Mind For Numbers** Barbara Oakley, PhD, 2014-07-31 The companion book to COURSERA s wildly popular massive open online course Learning How to Learn Whether you are a student struggling to fulfill a math or science requirement or you are embarking on a career change that requires a new skill set A Mind for Numbers offers the tools you need to get a better grasp of that intimidating material Engineering professor Barbara Oakley knows firsthand how it feels to struggle with math She flunked her way through high school math and science courses before enlisting in the army immediately after graduation When she saw how her lack of mathematical and technical savvy severely limited her options both to rise in the military and to explore other careers she returned to school with a newfound determination to re tool her brain to master the very subjects that had given her so much trouble throughout her entire life In A Mind for Numbers Dr Oakley lets us in on the secrets to learning effectively secrets that even dedicated and successful students wish they d known earlier Contrary to popular belief math requires creative as well as analytical thinking Most people think that there s only one way to do a problem when in actuality there are often a number of different solutions you just need the creativity to see them For example there are more than three hundred different known proofs of the Pythagorean Theorem In short studying a problem in a laser focused way until you reach a solution is not an effective way to learn Rather it involves taking the time to step away from a problem and allow the more relaxed and creative part of the brain to take over The learning strategies in this book apply not only to math and science but to any subject in which we struggle We all have what it takes to excel in areas that don t seem to come naturally to us at first and learning them does not have to be as painful as we might think *The Truth about Christian Science* George Mary Searle, 1916 **The Christian Science Journal** , 1903 Science , 1930

The Saturday Review of Politics, Literature, Science and Art , 1929 The Routledge History of American Science Timothy W. Kneeland, 2022-12-01 The Routledge History of American Science provides an essential companion to the most significant themes within the subject area The field of the history of science continues to grow and expand into new areas and to adopt new theories to explain the role of science and its connections to politics economics religion social structures intellectual history and art This book takes North America as its focus and explores the history of science in the region both nationally and internationally with 27 chapters from a range of disciplines Part I takes a chronological look at the history of science in America from its origins in the Atlantic World through to the American Revolution the Civil War the World Wars and ending in the postmodern era Part II discusses American science in practice from scientists as practitioners laboratories and field experiences to science and religion Part III examines the relationship between science and power The chapters touch on the intersection of science and imperialism environmental science in U S politics as well as capitalism and science Finally Part IV explores how science is embedded in the culture of the United States with topics such as the growing importance of climate science the role of scientific racism the construction of gender and how science and disability studies

converge The final chapter reviews the way in which society has embraced or rejected science with reflections on the recent pandemic and what it may mean for the future of American science This book fills a much needed gap in the history and historiography of American science studies and will be an invaluable guide for any student or researcher in the history of science in America

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