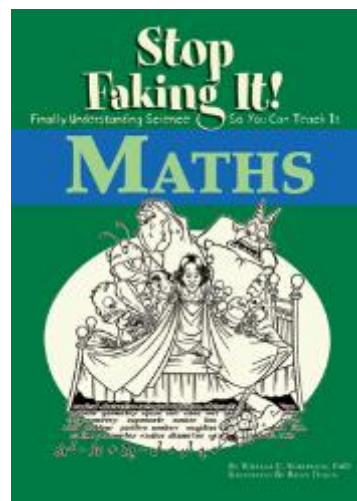


Maths: Stop Faking It! Finally Understanding Science So You Can Teach It

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Summary

Flummoxed by formulas? Queasy about equations? Perturbed by π ? Now you can stop cursing over calculus and start cackling over *Maths*, the newest volume in Bill Robertson's accurate and amusing *Stop Faking It!* books. Like the other six titles in this award-winning series, *Maths* is meant for homework-helping parents, maths-averse science teachers and home-schoolers. It's written for everyone who lacks the background to teach with confidence and is sick of relying on avoidance strategies.

As Robertson sees it, too many people view mathematics as a set of rules to follow, procedures to memorise, and theorems to apply. This book takes a unique approach by focusing on the reasoning behind the rules, from maths basics all the way up to a brief introduction to calculus.

Among the questions it covers: Why do you "carry" numbers when adding? Why do you need a common denominator when adding fractions? (Robertson says you don't, by the way!) What's behind the process of cross-multiplying? Where does the number π come from? And who in the heck invented those strange formulas for area and volume, such as πr^2 and $\frac{4}{3} \pi r^3$?

As usual, Robertson provides clear explanations, irreverent illustrations and easy-to-follow activities. But he spares you problem sets to do or tests to take. That's because *Maths* is not so much a book that will help you do maths as it is a guide to understanding it conceptually.

Other Resources

- *Stop Faking It! Force and Motion* (NST7446)
- *Stop Faking It! Energy* (NST9914)
- *Stop Faking It! Light* (NST9891)
- *Stop Faking It! Air, Water & Weather* (NST9884)