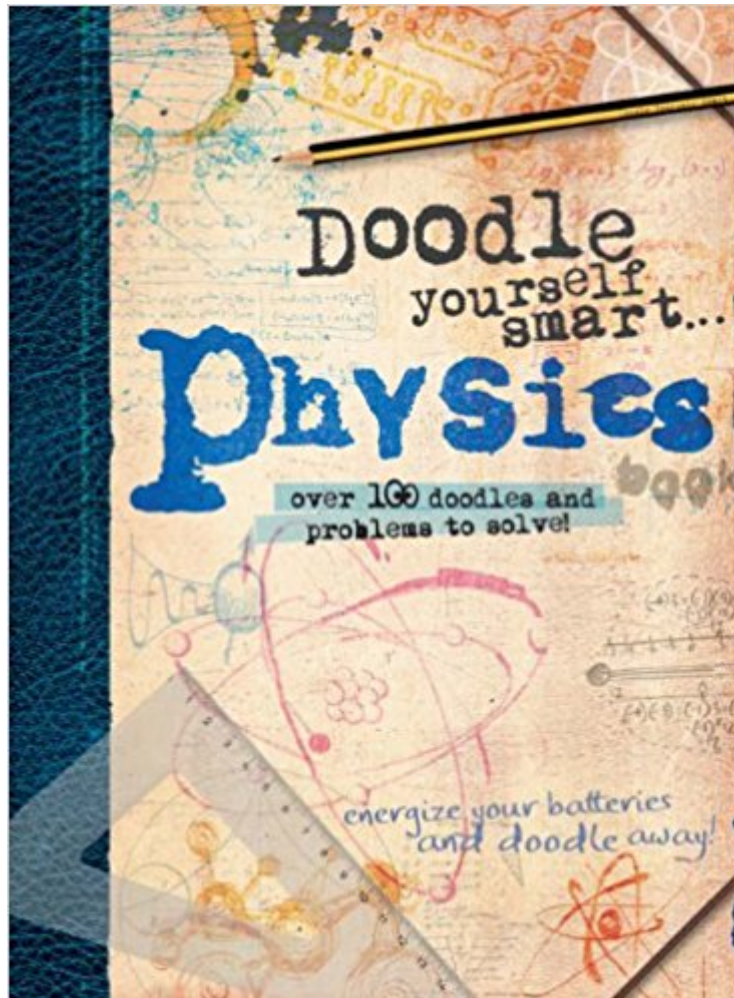




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Doodle Yourself Smart...Physics (Doodle Books)



Synopsis

Physics is the science that deals with matter, energy, motion, and force. It's a subject that some students have trouble with, but it's crucial for understanding our world. Luckily, you don't have to be a genius to succeed. You just have to doodle yourself smart! Doodle Yourself Smart...Physics includes more than 100 problems covering everything from the speeds of the planets in the solar system to the force on a tennis ball to the colors of the visible spectrum of light. To solve them, you'll need to relax your mind and your hands and begin to doodle in the spaces provided. You'll draw rays, circuits, waves, and more, and with an answer key and a list of useful equations at the back of the book, you'll never be stumped. With Doodle Yourself Smart...Physics, you can let your pencil lead the way to scientific knowledge...and hours of fun!

Book Information

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Customer Reviews

Sonya Newland is a writer and editor of educational and reference books, apps and website content. She has worked on material for a range of age groups, including mathematics home learning titles for primary students, series on environmental issues and health for Key Stage 3, GCSE Science revision guides and study guides for the International Baccalaureate Diploma. Doodling from an early age, Newland can be seen on many a sunny afternoon whiling away the hours with her cat Minus, creating puzzle ideas just for fun. Back in her element, she grasps the doodle concept with both hands and settles down to the challenge.

You must have a working understanding of physics to do many of these problems. I guess that is the idea. I suppose I expected it to teach as it went but it does not. If you know physics already you might enjoy this. If not, you will need a physics reference book to complete these problems. I really wanted to like this but ended up returning it. I don't think it will be "relaxing," for the high school student for whom I had intended it.

I have been pleasantly surprised to see the kids figuring out the puzzles and having so much fun doing it to.

Want to remember your physics? This book is a fun, low stress way to do that. The spaces encourage doodling. The graphics are engaging. You will not learn physics from this book alone but you will have fun trying.

I thought that this book would be good for an adult with knowledge of physics. It is best for someone in high school who is just learning physics. It is interesting and beats just doing random doodles.

Not a coloring book to enhance physics knowledge. Not even a particularly engaging practice problem book.

Having never taken a physics class, I was hoping to get started with this book. However, it is much more advanced than I thought it would be, so I'm having to watch YouTube videos to even get started. That's ok - I like a challenge.

Bottom line: At best the collection of problems in this book can spur discussion with kids who had existing interest in physics. However, I suspect in most cases it will be a frustrating exercise that will drive away students looking to improve their physics knowledge and problem solving skills.

Full Review: A friend of mine who has always struggled with physics bought this book because they liked how it looked and thought the novel format would make the physics more accessible to them. However, they struggled with it and gave up on it because it left them confused. I make my living off of physics (Engineer) and I thought I'd take a look at it to see where they got stuck. Frankly, I was appalled at the quality of the questions in this book. Most of the questions have at least one of these problems: -Are drawn incorrectly, -Do not contain enough information to solve, -Make assumptions

without stating them,-Are presented as sketching/doodling problems but are not. This book is too easy for people with enough background knowledge to know what the question is actually asking, and too hard for those looking to "Doodle [themselves] smart." There is just not enough build-up/scaffolding of skills! And an unforgivably small amount of sketching to be done! For example: A problem has a drawing of a feather and a rock falling on the moon, and the problem asks which one will hit the ground first. What is a novice supposed to sketch here? A flipbook cartoon of the two falling? A freebody diagram *might* be a good idea here, but the book NEVER teaches you anything like it. The only way someone could know the answer to this is through experimentation or education. It took Galileo dropping weights off a tower to figure out that gravity accelerates all mass equally. Hell, even Aristotle thought everything fell in a circular pattern! So what is the value of this problem in the book? You either knew the answer, or you didn't. Useless. Just to show you how this book failed. I will write a better problem that you could actually "Doodle yourself smart" with: "Here is a feather. If it were falling, how do you think air would flow around it? Draw it." "Now, here is a feather that a naughty child moshed into a small ball. How do you think the air would flow around this? Draw it." "Which do you think would fall faster? Why? Justify your answer using your drawings" "Here is a small steel ball. How does air flow around this ball?" "A talented craftswoman forges the steel ball into a beautiful feather. Does this one fall slower or faster than the ball?" "Now! A natural feather and a steel ball are dropped on the Moon! Which one do you think will reach the ground first? Before you answer, think about the ways that the Moon is different from the Earth."

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