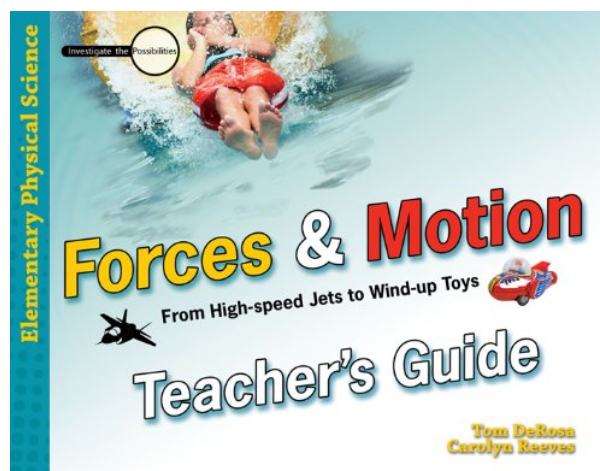
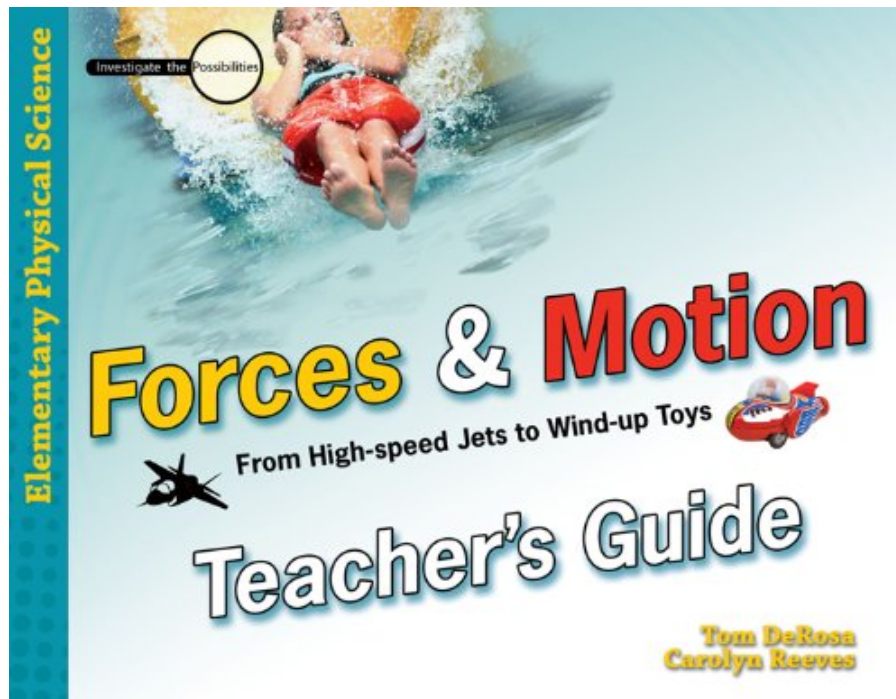


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About the Author

Tom DeRosa taught chemistry and physics for over 30 years in public and parochial schools. Having a strong academic background in chemistry, he is presently an adjunct instructor in chemistry at Broward Community College. He holds a Masters degree in Education from Florida Atlantic University. He founded Creation Studies Institute in 1988, and holds the office of Executive Director of CSI. Dr. Carolyn Reeves and her husband make their home in Oxford, Mississippi, where they are active members of North Oxford Baptist Church. Carolyn retired after a 30-year career as a science teacher, finished a doctoral degree in science education, and began a new venture as a writer and an educational consultant. The Reeves have three children, three in-law children, and nine grandchildren.

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children, three in-law children, and nine grandchildren.

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3 of 3 people found the following review helpful.

Main Text and Student Journal

By JenniferB

For the rest of my review, check out the Teacher's Guide review for this program.

There are quite a few Christian-based science curriculums available for children to choose from in the realm of the life sciences. Resources for physical sciences however, are much more limited. This is what makes the Elementary Physical Science programs from Master Books so exciting!

Designed for students from grades 3 - 8 (simple graphing, division, and other age appropriate math skills are required), Forces and Motion is a hands-on; activity based learning approach that teaches first through observation, and then through the application of scientific principles and concepts after they have already been observed. I love that - learning through life and the real application of science rather than just through book learning!

There are three books required for Forces and Motion, a student journal (consumable, but affordable with a suggested retail of \$4.99), a teacher's guide (\$4.99), and the text itself (\$12.99). The supplies needed are a combination of common household supplies and some you'll need to purchase from a science supplier. I recommend you go through the program and make a shopping list before you begin. The 20 investigations are recommended as an 18-week (or one semester) course of study with approximately 5 hours of work estimated per week.

The text is full-color, and looks much like a traditional textbook with many short segments included for each investigation (lesson.) It includes the instructions for each hands-on segment, the explanation of the scientific principles, information on major scientists behind discoveries, discussion prompts, and more.

The student journal is black and white, with room for observations (graphing activities, diagrams, and tables), short answer questions, math activities, true/false questions, fill in the blanks etc.) - these vary from lesson to lesson (not all of these are presented for each activity.) A separate notebook will also be required for recording answers to the longer questions in the "What Did You Learn?" section for each activity. Some of the questions are presented fully in the journal, others will need to be looked up in the text, such as the "Dig Deeper" research components.

Personally, the three-volume approach isn't as intuitive for me to use as a parent. I love resources that are "all-in-one" grab and go volumes, so this format is a bit trickier for me to figure out. If you are used to more of an Apologia approach for elementary science it might take a while to get the three volumes to flow together easily.

I wasn't sure how Christian elements could be interwoven with physical science, but I was pleased to see an emphasis on the faith of scientists such as Newton, scripture references, creation apologetics, and praise for the Creator of our universe. If you haven't been sure how to tie together concepts such as friction, and God's design of the world, this will be an incredibly helpful guide to get some conversations started.

I really like the emphasis on hands-on followed by scientific discussions and concepts, allowing children to have a real-life anchor to peg scientific concepts into. While the format isn't my favorite, I'm still pleased to see a multi-age resource provided for families that incorporates the nitty-gritties of physical science (the

precursor of physics) in a real-life setting with math included as an integral, real-life-application part of the study.

1 of 1 people found the following review helpful.

Fun and Educational

By Stacey

Tom DeRosa and Carolyn Reeves have created a fun and educational series of science workbooks for kids aged 8 to 11 years. The student workbook is colorful. The student journal has plenty of room to record observations. The teacher guide contains concise objectives and goals for each lesson. There are 20 terrific investigations (lessons/experiments) in each text that are designed for children in 3rd through 6th grade.

"Forces and Motion" introduces the scientific minds of Archimedes, Daniel Bernoulli, Galileo and Isaac Newton. Topics investigated include friction, gravity, jet propulsion, pulleys, and much more.

"Energy" focuses its teaching on light, heat, magnetism, circuits, and energy from solar, wind, water and nuclear sources.

"Matter" teaches chemistry, acids and bases, salt, metals, phases of matter and much more.

These books would enhance the science curriculum of homeschooled and publicly educated kids. They would even be fun "rainy day" activities without an education requirement. They contain creative teaching activities including dramatic sketches, experiments and writing assignments.

0 of 0 people found the following review helpful.

Forces & Motion From High Speed Jets to Wind Up Toys

By Pam

Are you afraid of teaching science? Do you wish you could make your homeschool science program more interesting? Would you just like to have some fun with your kids designing cool science experiments?

Forces and Motion is a fun program designed for grades three through six. The program includes an easy to use teachers guide, a colorful student book, and a student journal with review questions and spaces to record progress.

The materials used in the science experiments are low cost and most can be found around the home without having to make a purchase.

Forces and Motions contains items to explain the concepts in simple and humorous stories, such as the flying creme pie, which demonstrates Newton's First Law of Motion.

As a person who disliked science in elementary school, I would have enjoyed this program which makes science easy, understandable, and fun.

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