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Logic Liftoff, Grades 4-6



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Synopsis

This classic series will excite students' imaginations while enriching skills in logical thinking. Logic Liftoff problems are easy to incorporate into lesson plans and are formatted to enhance the fullest spectrum of curriculum areas while sharpening thinking skills. Challenging and instructional, these thought-provoking books present sequential exercises in logical reasoning that include relationships, analogies, syllogisms, sequences, deductive reasoning, inference, truth-values, and logical notation. Simple grids coupled with intriguing problems evoke enthusiasm and inspire students to higher and higher levels while of thinking acuity. Each book builds on concepts presented previously in the series to offer a comprehensive logic adventure for young thinkers.The skills students build by using this book are applicable to several areas of the curriculum. Academic skills used in reading, math, writing, and science all depend on the ability to perceive and define relationships, sequence events, and form inferences. But beyond the academic world, students will find logical thinking an integral part of everyday life.This is the second in a three-book series designed to sharpen children's logical thinking skills. Once students have mastered Logic Countdown they are ready to meet new challenges in Logic Liftoff and Orbiting with Logic. Grades 4-6

Book Information

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Age Range: 9 - 11 years

Grade Level: 4 - 6

Customer Reviews

Blast Off with Logic is a series of three books that build upon one another at increasing levels of difficulty. Logic Countdown, written for grades 3-4, introduces relationships, analogies, sequencing, "all" and "no" statements, syllogisms, if-then statements, deduction, and making inferences. Logic Liftoff for grades 4-6 reviews and expands all of these topics, continues into deeper logical reasoning, and introduces logical notation. Orbiting with Logic for grades 5-7 builds on the previous two books, expands logical notation, and adds logic diagrams and logical fallacies. While it is possible to use any one of the books alone, they really work best as a sort of continuous course . . . Most of us parents will find many of the lessons new and challenging, so we should tackle them right along with our children to improve our own thinking skills. --Cathy Duffy, Cathy Duffy Reviews - January 1, 2009

Bonnie Lou Risby grew up in the Illinois woodlands atop the limestone bluffs across the Mississippi River from St. Louis. These woods were her playground where she and her siblings camped out, played detective, and enjoyed the beauty of the outdoors in every season. After attending college at Southern Illinois University Edwardsville, she taught school in Columbia, IL, for 13 years. She has taught elementary school, middle school, and high school, concentrating on the subjects of French, English, and gifted education. When Bonnie helped write the grant to establish Columbia’s Gifted Program in the early 1970s, there were few materials readily available that fit well with a one-period per week pullout program.After the birth of her son, Bonnie retired from teaching and joined a family and marriage counseling practice for 12 years, continuing to write and create logic books in her spare moments. Retired from her therapy practice, Bonnie now works in a family business with her husband and son. Her office is in her home in Ballwin, MO, where Bonnie and her faithful pug dog, Francy, can be found most days. Bonnie has continued to write classroom books, chapter books, magazine articles, and books for young adults.Besides writing, Bonnie loves taking float trips down Ozark streams, biking, long walks with Francy, gardening, family history, and travel.

My homeschooler recently finished this, after having done all the books in the series up to this point, and is about to start the last book in the series ("Orbiting with Logic").The series does give students some very basic exposure to "logic" in the sense of "logic puzzles" and analogies and problems of the sort that test analytical ability on standardized tests like the SAT. That’s useful. I’d love to see some studies showing that it has any effect whatsoever on logical thinking ability, however. I’m a bit skeptical of that, but I think that’s so important that I had my student do it anyway.As a former college teacher of intro logic or critical thinking, I also appreciated the fact that the books after

around the 2nd or 3rd grade level start very gently introducing concepts from actual formal logic. With the this particular subseries (the going-into-space subseries) there's actually an effort to introduce things like syllogisms, validity, and logical terms such as 'if-then', 'and', and 'or'. I feel like my student will be able to move into a real (albeit still very basic) introductory logic text after going through the whole series.My main concerns about this series of books concern uneven quality. A little too frequently, the answer is objectively unclear; when the content enters the realm of actual logic, I found any number of unacceptably vague or outright erroneous explanations or problems. This could probably use a going-over by an actual logician and then I'd be giving it four stars or something.My other concern is about the dubious value of the sort of exercises the student is asked to do. Logic concerns reasoning, so I would have expected to see more, you know, reasoning, real world reasoning with real problems. As it is, apart from the sections that actually concern formal logic, this is more of a set of diverting and not useless mental exercises, but those exercises no more teach logic, or the standards of correct reasoning, than the study of math, programming, foreign language, or grammar do.

Bought this to use with my math-loving 3rd grader. Works well for him, and I think any bright kid from 7yo on up can benefit from this. It has a nice variation of puzzles, though with only a brief explanation at the end - assuming you can figure out the answers and explain them yourself, this is a great tool!

As a homeschool mom, I noticed my kids weren't getting enough opportunities to grow their logical minds. I really like this series of logic problems. In this book there are different kinds of problems from patterning,, relationships, sequencing, syllogisms, deduction...and more. I am using it with my high 4th grader and my average 6th grader together.

I added this to our Home School curriculum, just to work on problem solving skills. This is not a simple workbook, it is a challenge, but I have seen my daughter's ability improve as she progresses through the book. I would highly recommend this as something to help your child really use their skills and improve their thought processes.

My son has throughly enjoyed these books and will be quite excited when I tell him there is still one more in the series.As a homeschool mom, I like adding this in w his weekly work. Not only does he look forward to doing it but he's learning great skills along the way.

the questions helps kids thinking, has some value. Just the price is a little bit high compare to what the book offers.

My nieces loved these. They were definitely challenging enough to learn something but not so much that they got frustrated to the point of stopping.

Good resource. Little bit of challenging but not so much. Help children to use their skills

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