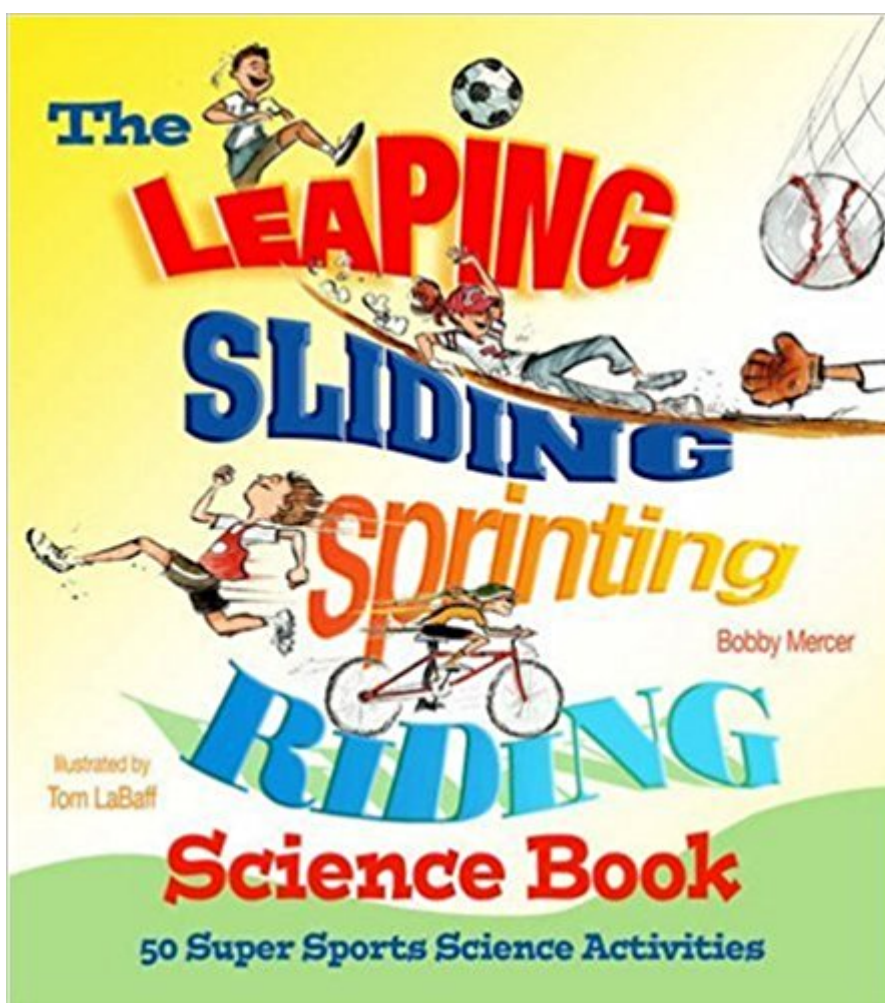


The book was found

# The Leaping, Sliding, Sprinting, Riding Science Book: 50 Super Sports Science Activities



## Synopsis

From the swoosh of a thrown football to the force of a tennis ball smashing against the racquet, all sports involve motion and action - and that means all sports involve science. This fully illustrated entry into Lark's much-praised science series encourages kids to look keenly at the wide world of sports to uncover its underlying scientific principles. And the activities feel just like fun and games! Kids will barely realise they're learning hardcore science as they challenge friends to a reverse bike race, see how to throw basketball passes that no one can steal, and discover what's behind the infamous spitball and knuckleball.

## Book Information

Hardcover: 80 pages

Publisher: Lark Books (January 28, 2007)

Language: English

ISBN-10: 1579907857

ASIN: B007PM0X62

Product Dimensions: 9.1 x 8.2 x 0.5 inches

Shipping Weight: 1.1 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,608,457 in Books (See Top 100 in Books) #22 in [Books > Sports & Outdoors > Miscellaneous > Sports Science](#) #26916 in [Books > Children's Books > Activities, Crafts & Games > Activity Books](#) #34486 in [Books > Children's Books > Science, Nature & How It Works](#)

Age Range: 8 and up

Grade Level: 3 and up

## Customer Reviews

Grade 5-8  
Mercer uses sports moves and activities to teach physics and other science concepts. He explains numerous complex terms, including density, biomechanics, the Magnus effect, friction, and laminar flow. Many of the activities require kids to be outside with bikes, Frisbees, hockey sticks, baseball bats, etc. Others require objects such as a bungee cord, a stopwatch, a protractor, or cans of soup. Some experiments are easily done at home. The range is from simple (freezing sneakers to compare traction) to complex (teaching oneself to do an ollie on a skateboard). Each activity has a list of equipment and instructions for performing it, followed by a section that explains the science behind it. The lively and colorful illustrations make the book seem

as if it is for elementary school kids, but the activities and science concepts discussed are more appropriate for middle schoolers. Motivated readers will find a lot of fun projects to experiment with, but this book will probably get the most use from science educators, who will find a wealth of inspiration and ideas. — Marcia Kochel, Olson Middle School, Bloomington, MN Copyright © Reed Business Information, a division of Reed Elsevier Inc. All rights reserved.

Mercer puts his experience as a physics teacher and a sports coach to good use in this compendium of science activities. Readers can determine the best angle for throwing or hitting a ball far and test how more air pressure in a basketball, volleyball, or soccer ball affects its bounce. Each activity is presented on a single-page or a double-page spread, including a list of materials, step-by-step instructions, a discussion of the science behind it all, and an appealing ink-and-watercolor illustration. A lengthy glossary is appended. Aimed at a younger audience than Robert Gardner's *Science Projects about the Physics of Sports* (2000), this will appeal to active kids looking for science fair ideas, and what they learn may also be helpful on the playing fields. Carolyn Phelan Copyright © American Library Association. All rights reserved

[Download to continue reading...](#)

The Leaping, Sliding, Sprinting, Riding Science Book: 50 Super Sports Science Activities Leaping Sliding Sprinting Riding Science Book Super Mario Run: Diary of Super Mario: Super Run for coins! (Unofficial Super Mario Run Book) Super Power Breathing: For Super Energy, High Health & Longevity (Bragg Super Power Breathing for Super Energy) Super humans, and Super Heroes edition 3: How too Cause Super humans and Super Heroes with Quantum Physics Skateboarding: How It Works (Sports Illustrated Kids: the Science of Sports) (The Science of Sports (Sports Illustrated for Kids)) Football: How It Works (Sports Illustrated Kids: the Science of Sports) (The Science of Sports (Sports Illustrated for Kids)) Hockey: How It Works (Sports Illustrated Kids: the Science of Sports) (The Science of Sports (Sports Illustrated for Kids)) Leaping Upon the Mountains: Men Proclaiming Victory over Sexual Child Abuse Tree Chickens & Leaping Lizards: How to care for your Iguana Look Before Leaping: Risks, Liabilities, and Repair of Study Abroad in Higher Education Riding: The Game of Polo (Riding series) Trail Riding Western Montana (Falcon Guides Trail Riding) 2nd Grade Super Math Success: Activities, Exercises, and Tips to Help Catch Up, Keep Up, and Get Ahead (Sylvan Math Super Workbooks) 3rd Grade Super Math Success: Activities, Exercises, and Tips to Help Catch Up, Keep Up, and Get Ahead (Sylvan Math Super Workbooks) 1st Grade Super Math Success: Activities, Exercises, and Tips to Help Catch Up, Keep Up, and Get Ahead (Sylvan Math Super Workbooks) 4th Grade Super Math Success: Activities,

Exercises, and Tips to Help Catch Up, Keep Up, and Get Ahead (Sylvan Math Super Workbooks)  
5th Grade Super Math Success: Activities, Exercises, and Tips to Help Catch Up, Keep Up, and Get Ahead (Sylvan Math Super Workbooks) Kindergarten Super Math Success: Activities, Exercises, and Tips to Help You Catch Up, Keep Up, and Get Ahead (Sylvan Math Super Workbooks)  
Skateboarding: How It Works (The Science of Sports) (The Science of Sports (Sports Illustrated for Kids))

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)