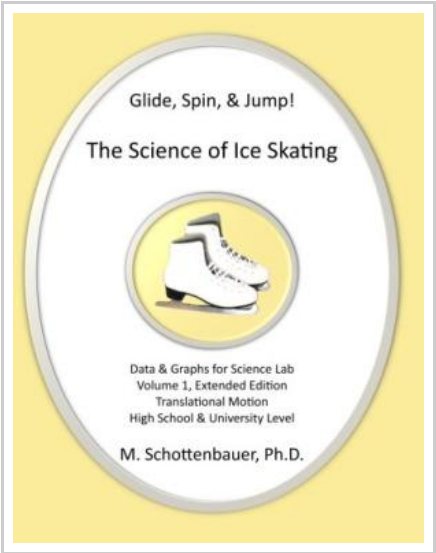

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Glide, Spin, Jump: The Science of Ice Skating: Volume 1: Data and Graphs for Science Lab: Translational (Straight-Line) Motion (Paperback)

By M Schottenbauer

Createspace, United States, 2014. Paperback. Book Condition: New. Expanded. 279 x 216 mm. Language: English . Brand New Book. In this book, readers gain access to real scientific data pertaining to ice skating, promoting graph-reading, comparison, contrast, and calculation skills. Graphs show the motion of various types of skates across ice, along with the forces required for straight motion. Skates studied include figure skates, hockey skates, child double-runner skates, and bob skates. Additional graphs contain data on the forces required to move a hockey puck across real and synthetic ice and the forces involved in vertical motions, including stepping and jumping. These data can be used for lesson plans by teachers and parents. This expanded edition features data from both real and synthetic ice, as well as extra styles of figure skates and hockey skates. Bonus Material: Diagrams show a cartoon character, Blue Dude, demonstrating ice skating moves such as gliding and stopping. Additional graphs also contain data on ice melting, and comparisons of the strength of ankle support in various types of skates.

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