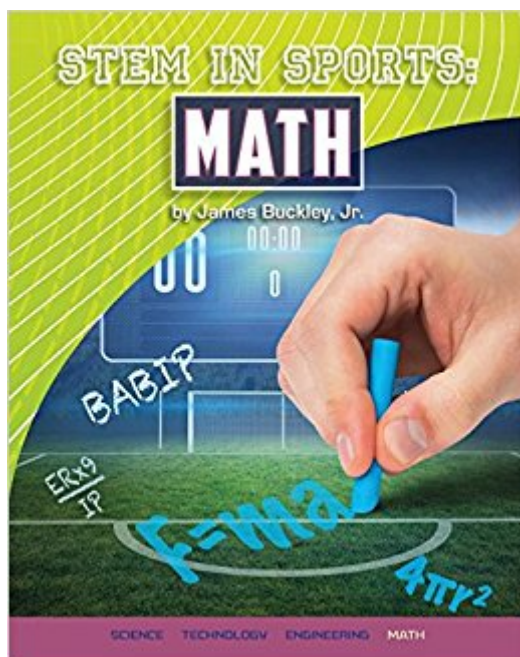


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# Stem In Sports: Math



## Synopsis

In sports, 2 + 2 now equals winning. In this book, explore the many relationships between mathematics and sports. Start with the obvious uniform numbers and stats and continue with high-level analytics that are changing how teams are formed and how games are played. Math can make a basketball player more accurate and a football coach more successful. Knowing the numbers can make an everyday athlete more efficient and turn a racing team into a champion. Count it up: Math in sports is Number One! The entire STEM in SPORTS series tells the story of how science, technology, engineering, and math are not just an exciting and innovative part of education, but also part of the winning formula for success in sports. In this series, find out how these fields of study are hard at work on the fields of play.

## Book Information

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## Customer Reviews

Gr 6 Up • These fascinating titles examine innovations in scientific fields that "are giving athletes a wide array of tools to improve performance and success." The books cover engineering advances such as lightweight shirts and safer equipment as well as high-tech sports stadiums and scientific breakthroughs that include preventing and rehabilitating player injuries, designing prosthetics, and creating new guidelines for training and nutrition. Most innovations are cast in a favorable light, such as Math's description of Sabermetrics, the stats-based analysis pioneered by Bill James that's now used in many sports. However, the authors also highlight concerns: commercial interests drive many new developments and may tip the scale in favor of wealthy athletes or teams. Readers are encouraged to think through these issues through

text-dependent questions and suggestions for research projects. Sidebars and color photos are an additional plus. VERDICT Great resources for report writers and fans alike.

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