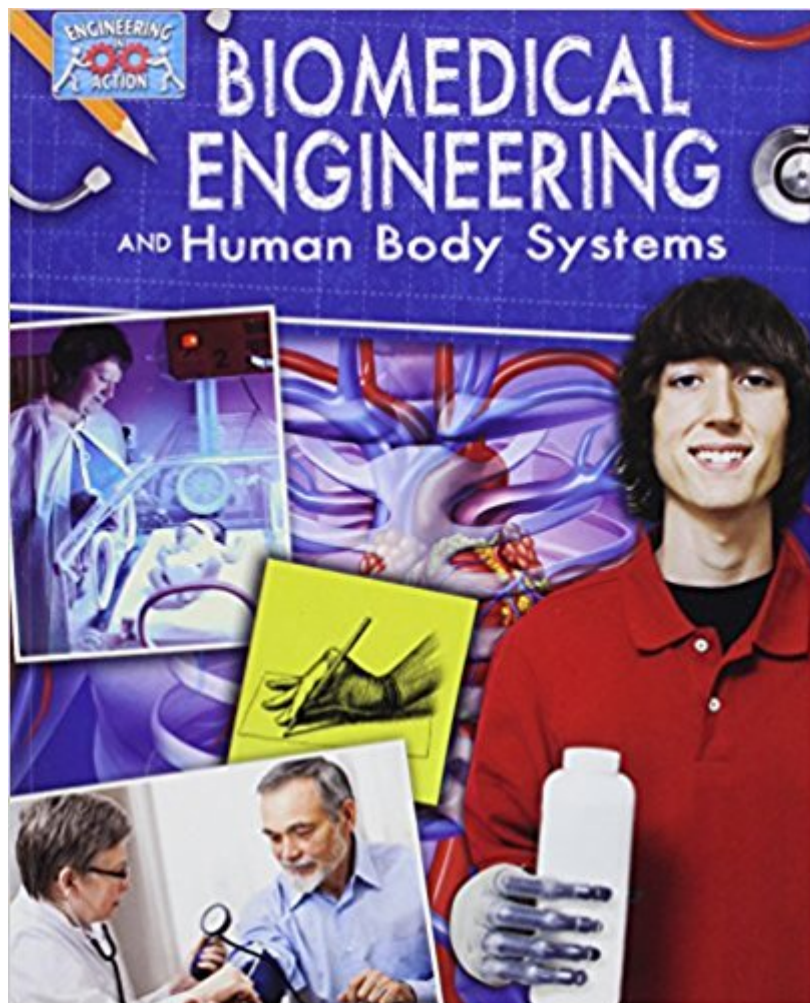




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Biomedical Engineering And Human Body Systems (Engineering In Action)



Synopsis

Biomedical Engineering and Human Body Systems

Book Information

Series: Engineering in Action

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Customer Reviews

Gr 5-7-The third quartet in this continuing series of introductions to engineering looks at past and present methods of sustainable agriculture and medical devices as well as how to assess surface stability and natural hazards for large structures and how materials, from ceramics to superadhesives, are studied and improved. Each volume presents a template for systematic research: defining a problem, designing and testing prototypes, and reporting on solutions (or failures). Along with quick looks at historical highlights, each author describes the training and skills required to work in associated fields, offers case studies-ongoing efforts to mechanize artichoke harvests in Sicily, for instance-and takes readers step by step through a sample design challenge. Though somewhat overdesigned, with canted or off-center photos and yellow side notes "attached" with images of push pins or even butterfly clips for that scrapbook look, overall the presentations are orderly, methodical, and (like engineering science itself) focused on practical results. VERDICT Solid STEM choices. (c) Copyright 2011. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted.

Good introduction to Biomedical Engineering. About the size of a magazine and has easy to read chunks. It even has some facts that experienced personnel in the field can appreciate.

This well illustrated book covers the history of biomedical engineering, highlighting early efforts, failures and successes. It follows that with highlights in the field, noting which had great impact as well as those requiring tweaking or going back to the drawing board. The photos, illustrations, timelines and examples all work together to help readers get a very good basic understanding of the field. Exercises for readers are included as well as a glossary and a further reading list. It's a definitely worthy addition to school and public libraries.

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