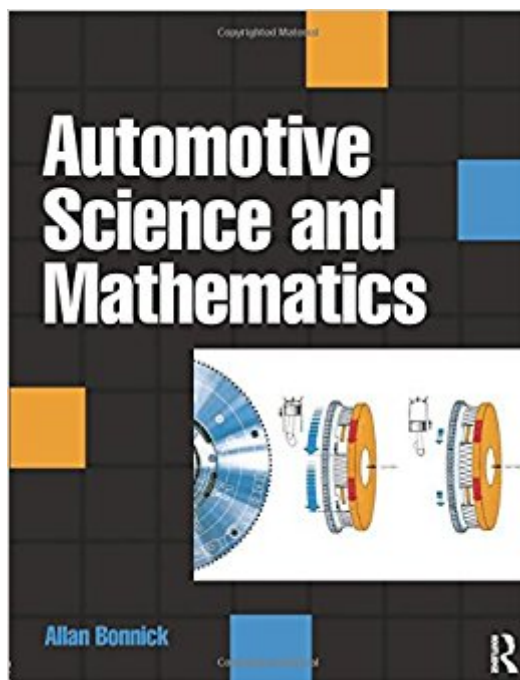


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# Automotive Science And Mathematics



## Synopsis

Automotive technicians and students need a firm grasp of science and technology in order to fully appreciate and understand how mechanisms and systems of modern vehicles work. Automotive Science and Mathematics presents the necessary principles and applications with all the examples and exercises relating directly to motor vehicle technology and repair, making it easy for automotive students and apprentices to relate the theory back to their working practice. The coverage of this book is based on the syllabus requirements of the BTEC First in Vehicle Technology, BTEC National in Vehicle Repair and Technology, and the IMI Certificate and Diploma in Vehicle Maintenance and Repair, but will help all automotive students and apprentices at levels 2 and 3 and up to and including HNC/HND, foundation and first degree with their studies and in achieving the Key Skill 'Application of Number' at levels 2 and 3. The book is designed to cater for both light and heavy vehicle courses. Full worked solutions of most exercises are available as a free download from [www.routledge.com/9780750685221](http://www.routledge.com/9780750685221) Allan Bonnicks is a motor vehicle education and training consultant and was formerly Head of Motor Vehicle Engineering, Eastbourne College. He is the author of several established automotive engineering textbooks.

## Book Information

Paperback: 264 pages

Publisher: Routledge; 1 edition (March 12, 2008)

Language: English

ISBN-10: 0750685220

ISBN-13: 978-0750685221

Product Dimensions: 7.4 x 0.6 x 9.7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 3 customer reviews

Best Sellers Rank: #793,446 in Books (See Top 100 in Books) #11 in Books > Children's Books > Education & Reference > Math > Advanced #709 in Books > Engineering & Transportation > Engineering > Automotive #1467 in Books > Engineering & Transportation > Automotive > Repair & Maintenance

## Customer Reviews

I don't have an engineering degree, although I am attempting to learn the math and basics involved to write a vehicle dynamics simulator. I've got several books on the subject and this one did not impress me. I've only thumbed through it so far and picked random pages but my impression is too

many topics not enough details about any. Each "subject" seems to get about 2 or 3 sentences, at best, so if you don't already know the material this won't really teach you. That said I think it is an okay book for a different reason, it comes with a fair amount of problems to work through, so as a work-book it is probably okay with extra material for the learning. I did not realize when purchasing that it was closer to a work book, and at that I'd like more problems for a dedicated workbook. If I change my mind after digging deeper into the given problem (after first reading another book) then I'll add to the review.

This is a very nice introduction to the subject. Diagrams make understanding so much easier, and the book has a number of them. The language is not stilted, like many academic books.

Science and mathematics for the motor vehicle in a clear format with worked examples and clear explanations.

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