Extending the Challenge in Mathematics: Developing Mathematical Promise in K-8 Students

Linda Jensen Sheffield
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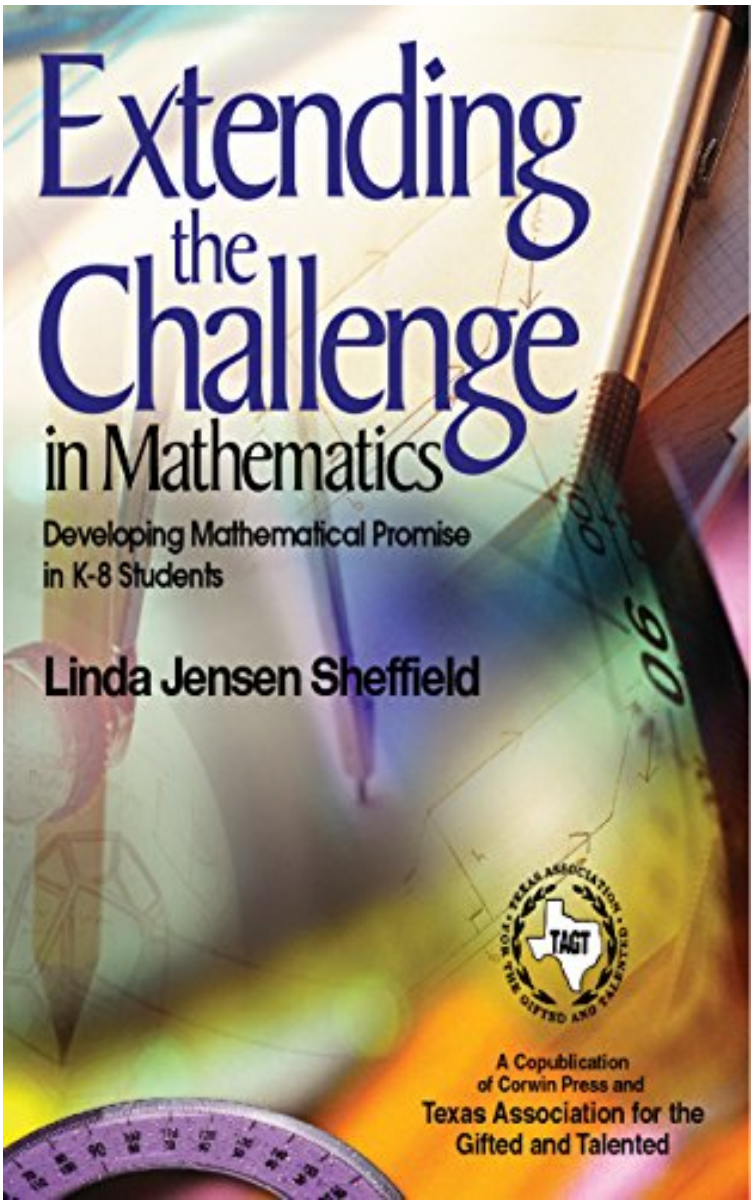

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BurfiendExcellent resource to bring mathematics to an "engaging and enriching" level! Sheffield is fantastic and helps educators take mathematics to a level that engages children in meaning...building...long-term learning!

This guide provides the practical tips and tools educators need to help their mathematically promising students develop their potential to the fullest.

"""""Sheffield has successfully packaged her exciting, unique vision for teaching all students as if they have the potential to become mathematically gifted.nbsp; This easy-to-use resource includes compelling mathematical activities in a simple format for encouraging deep thinking and mathematical creativity.nbsp; Extending the Challenge in Mathematics has it all--brain research theory, models for creative thinking, blackline masters with open-ended problems at graduated levels of difficulty for all four mathematical strands, in-depth discussion of solutions and extensions, and a very extensive list of Internet resources.nbsp; Finally -- a realistic, concrete guide for teaching challenging reform mathematics.nbsp; Any math teacher could undoubtedly use it right away!" """ -- Alice Gabbard, 7th Grade Math Teacher"The best source I have seen challenging mathematically talented students. The activities are thought provoking and enjoyable. I will recommend this book to parents as well as educators of mathematically talented students!" -- Sally Reis, Past President"This is a distinctive book deserving to be in the vanguard of provision for mathematically promising pupils. Equally accessible to teachers and mathematics educators, this book offers ideas and step-by-step procedures on how to use them. The content is guided by enlightened principles emanating from substantial, well-informed experience of the author. A unique resource indeed." -- Valsa Koshy, Reader in Mathematics Education"It is an excellent 'how-to' book for teachers that will help them ratchet up a seemingly simple math concept to stimulate critical and creative thinking in talented students. I find this book combines the best of mathematics content as outlined by the National Council of Teachers of Mathematics with the best of gifted education instructional strategies. 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(Joyce VanTassel-Baska, Executive Director)"This book will make a delightful addition to any teacherprime;s classroom tool kit." (Mathematics Teaching in the Middle School, August 2004)About the AuthorDr. Linda Sheffield is a Regents Professor of Mathematics Education at Northern Kentucky University. She received her M. Ed. and Ph.D. in Mathematics Education from the University of Texas at Austin and her bachelorprime;s degree from Iowa State University. She has written numerous books and articles for both teachers and students and has conducted seminars for teachers across the United States and as far away as Spain, Germany, England, Sicily, Japan, Australia, China, and Hungary. Her books include PreK ndash; 2 NCTM Navigations series, a series of math problem solving books for children in third through eighth grade, an integrated math/science book for teachers of preschool through primary school children, and a math methods book for elementary and middle school teachers. She is past-president of the School Science and Mathematics Association (SSMA) and was chair of the Task Force on Promising Students for the National Council of Teachers of Mathematics (NCTM). She was also editor of the NCTM book, Developing Mathematically Promising Students. Dr. Sheffield directs the graduate program for teachers of the gifted at Northern Kentucky University and has conducted several grant-funded programs designed to encourage teachers and students in the areas of mathematics and science.