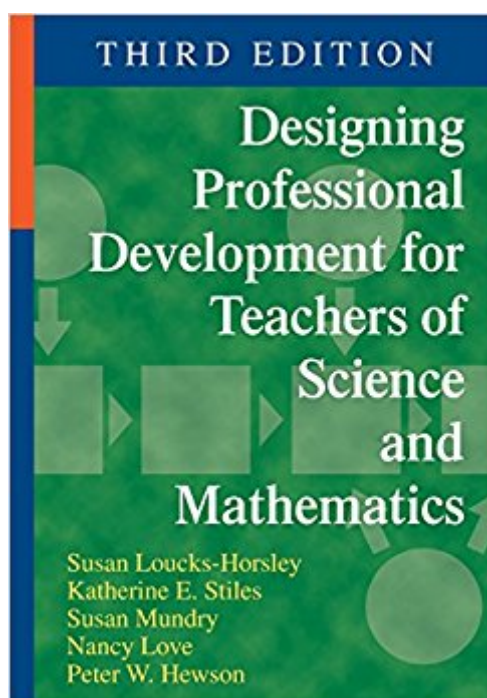


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# Designing Professional Development For Teachers Of Science And Mathematics



## Synopsis

The classic guide for designing robust science and mathematics professional development programs! This expanded edition of one of the most widely cited resources in the field of professional development for mathematics and science educators demonstrates how to design professional development experiences for teachers that lead to improved student learning. Presenting an updated professional development (PD) planning framework, the third edition of the bestseller reflects recent research on PD design, underscores how beliefs and local factors can influence PD design, illustrates a wide range of PD strategies, and emphasizes the importance of:

- Continuous program monitoring
- Combining strategies to address diverse needs
- Building cultures that sustain learning

## Book Information

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Age Range: 8 and up

Grade Level: Preschool and up

## Customer Reviews

"In the 21st century when STEM education has become vital for our students and our nation and the importance of quality professional development has increased at least tenfold, this seminal work should be required reading for every education leader. It is both practical and scholarly in guiding a school toward a culture of continuous learning and improvement."--Harold Pratt, President, Science Curriculum Inc. (07/17/2009)"Drawing upon both research and the wisdom of practice, this book makes accessible our current understanding of best practices in professional development design.

The book notes the importance of professional development modeling the kinds of instruction teachers are expected to use, so it was gratifying to see the extent to which the third edition itself 'walks the talk' by making the authors' beliefs explicit and transparent."--Iris R. Weiss, President (07/15/2009)"Once again, this edition will help shape and guide professional development across this nation. The updated research and resources help those of us in the field design for better teacher learning with greater results on student achievement."--Kathy DiRanna, K-12 Alliance Statewide Director (07/15/2009)"The third edition of Designing Professional Development for Teachers of Science and Mathematics, like the two previous ones, represents the gold standard for resources available to those working in the field of professional development. My staff and I highly recommend this book become a primary resource for designing and continuously improving professional development programs for teachers of science and mathematics. Unlike other resources, this unique and important book provides current research, an updated strategic planning framework, and access to a portfolio of best practices for informing your work. --Sally Goetz Shuler, Executive Director (07/15/2009)"I would highly recommend this book to anyone who is serious about developing and providing relevant and transformative professional development to teachers and school leaders. --Mathematics Teaching in the Middle School, April 2011 (03/31/2011)""Great guidance from some of the best thinkers in the field, with lots of easy-to-grasp examples you can wrap your mind around. This is the go-to book for anyone supporting math and science teachers in the improvement of their practice toward better learning for all students."--Cathy Seeley, Past President, National Council of Teachers of Mathematics (07/15/2009)" I would highly recommend this book to anyone who is serious about developing and providing relevant and transformative professional development to teachers and school leaders. --Mathematics Teaching in the Middle School, April 2011 (03/31/2011)""In the 21st century when STEM education has become vital for our students and our nation and the importance of quality professional development has increased at least tenfold, this seminal work should be required reading for every education leader. It is both practical and scholarly in guiding a school toward a culture of continuous learning and improvement."--Harold Pratt, President, Science Curriculum Inc. (07/17/2009)"Drawing upon both research and the wisdom of practice, this book makes accessible our current understanding of best practices in professional development design. The book notes the importance of professional development modeling the kinds of instruction teachers are expected to use, so it was gratifying to see the extent to which the third edition itself 'walks the talk' by making the authors' beliefs explicit and transparent."--Iris R. Weiss, President (07/15/2009)"Once again, this edition will help shape and guide professional development across this nation. The updated research and resources help those

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and guide professional development across this nation. The updated research and resources help those of us in the field design for better teacher learning with greater results on student achievement." (Kathy DiRanna, K-12 Alliance Statewide Director 2009-07-15)

I bought this for a graduate class in science teacher professional development, and have already recommended it to multiple people. Though the examples used are primarily science and sometimes math, it discusses a framework through which any kind of professional development should be structured. To effect change in teaching practices and ultimately student learning, there are many components to professional development that need to be considered. This book discusses the framework in general and the components in detail. Written by top researchers in the field, it is an asset to any school leader's repertoire.

Great resource for any teacher, professional developer, or anyone else interested in improving math and science education. You should invest in this book.

The book was described as used. Because of that, the small amount of stains on the edge of the book were expected. There was absolutely no damage to the book itself. It shipped quickly and I am highly satisfied with my purchase

The third updated edition of Susan Loucks-Horsley, et.al.'s DESIGNING PROFESSIONAL DEVELOPMENT FOR TEACHERS OF SCIENCE AND MATHEMATICS provides an expanded edition of a fine professional resource, presenting an updated planning framework and blending in the latest research on PD design. Any professional educator will find this a fine blend of theory and practice.

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