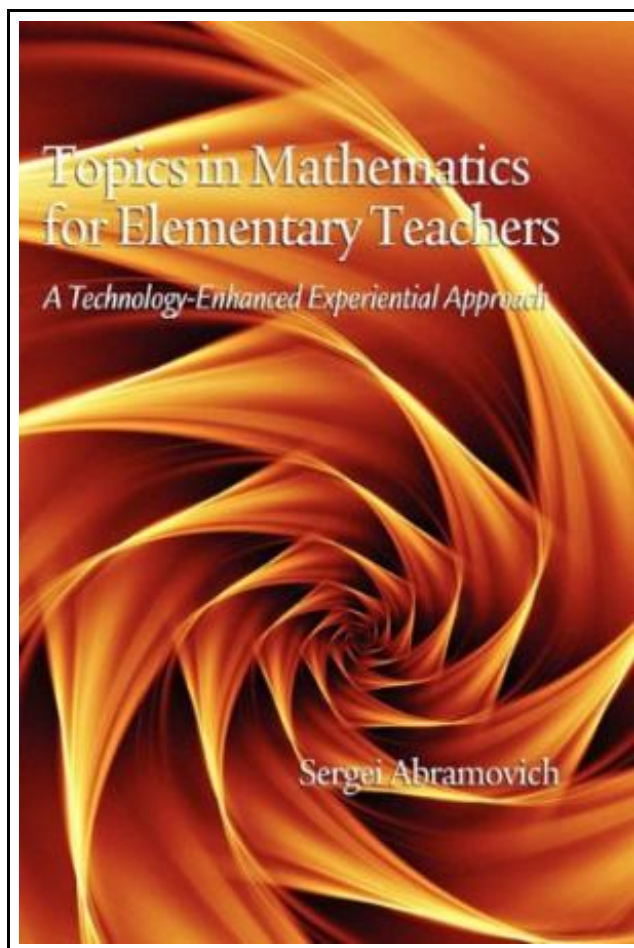


Topics in Mathematics for Elementary Teachers: A Technology-Enhanced Experiential Approach (Hardback)



Filesize: 7.83 MB

Reviews

*Completely among the finest ebook We have at any time read through. it was actually writtern really properly and helpful. You are going to like just how the writer compose this publication.
(Mr. Deangelo Considine)*

TOPICS IN MATHEMATICS FOR ELEMENTARY TEACHERS: A TECHNOLOGY-ENHANCED EXPERIENTIAL APPROACH (HARDBACK)



To get **Topics in Mathematics for Elementary Teachers: A Technology-Enhanced Experiential Approach (Hardback)** eBook, make sure you access the hyperlink below and download the document or gain access to other information which are have conjunction with TOPICS IN MATHEMATICS FOR ELEMENTARY TEACHERS: A TECHNOLOGY-ENHANCED EXPERIENTIAL APPROACH (HARDBACK) ebook.

Information Age Publishing, United States, 2010. Hardback. Book Condition: New. 234 x 156 mm. Language: English . Brand New Book. This book reflects the author s experience in teaching a mathematics content course for pre-service elementary teachers. The book addresses a number of recommendations of the Conference Board of the Mathematical Sciences for the preparation of teachers demonstrating how abstract mathematical concepts can be motivated by concrete activities. Such an approach, when enhanced by the use of technology, makes it easier for the teachers to grasp the meaning of generalization, formal proof, and the creation of an increasing number of concepts on higher levels of abstraction. A strong experiential component of the book made possible by the use of manipulative materials and digital technology such as spreadsheets, The Geometer s Sketchpad, Graphing Calculator 3.5 (produced by Pacific Tech), and Kid Pix Studio Deluxe makes it possible to balance informal and formal approaches to mathematics, allowing the teachers to learn how the two approaches complement each other. Classroom observations of the teachers learning mathematics as a combination of theory and experiment confirm that this approach elevates one s mathematical understanding to a higher ground. The book not only shows the importance of mathematics content knowledge for teachers but better still, how this knowledge can be gradually developed in the context of exploring grade-appropriate activities and tasks and using computational and manipulative environments to support these explorations. Most of the chapters are motivated by a problem/activity typically found in the elementary mathematics curricula and/or standards (either National or New York State - the context in which the author prepares teachers). By exploring such problems in depth, the teachers can learn fundamental mathematical concepts and ideas hidden within a seemingly mundane problem/activity. The need to have experience in going beyond traditional expectations for...



[Read Topics in Mathematics for Elementary Teachers: A Technology-Enhanced Experiential Approach \(Hardback\) Online](#)



[Download PDF Topics in Mathematics for Elementary Teachers: A Technology-Enhanced Experiential Approach \(Hardback\)](#)



[Download ePub Topics in Mathematics for Elementary Teachers: A Technology-Enhanced Experiential Approach \(Hardback\)](#)

Other Books



[PDF] Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York

Access the web link below to download "Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York" file.

[Download eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the web link below to download "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" file.

[Download eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Access the web link below to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" file.

[Download eBook »](#)



[PDF] Weebies Family Halloween Night English Language: English Language British Full Colour

Access the web link below to download "Weebies Family Halloween Night English Language: English Language British Full Colour" file.

[Download eBook »](#)



[PDF] Goodnight. Winnie (New York Times Best Books German Youth Literature Prize Choice Award most(Chinese Edition)

Access the web link below to download "Goodnight. Winnie (New York Times Best Books German Youth Literature Prize Choice Award most(Chinese Edition)" file.

[Download eBook »](#)



[PDF] Let's Find Out!: Building Content Knowledge With Young Children

Access the web link below to download "Let's Find Out!: Building Content Knowledge With Young Children" file.

[Download eBook »](#)

**[PDF] Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values**

Follow the link listed below to download and read "Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values" document.

[Download Book »](#)

**[PDF] The Complete Idiots Guide Complete Idiots Guide to Baby Sign Language by Diane Ryan 2006 Paperback**

Follow the link listed below to download and read "The Complete Idiots Guide Complete Idiots Guide to Baby Sign Language by Diane Ryan 2006 Paperback" document.

[Download Book »](#)

**[PDF] Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)**

Follow the link listed below to download and read "Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)" document.

[Download Book »](#)

**[PDF] Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned**

Follow the link listed below to download and read "Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned" document.

[Download Book »](#)

**[PDF] Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large**

Follow the link listed below to download and read "Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large" document.

[Download Book »](#)

**[PDF] Genuine the book spiritual growth of children picture books: let the children learn to say no the A Bofu (AboffM)(Chinese Edition)**

Follow the link listed below to download and read "Genuine the book spiritual growth of children picture books: let the children learn to say no the A Bofu (AboffM)(Chinese Edition)" document.

[Download Book »](#)