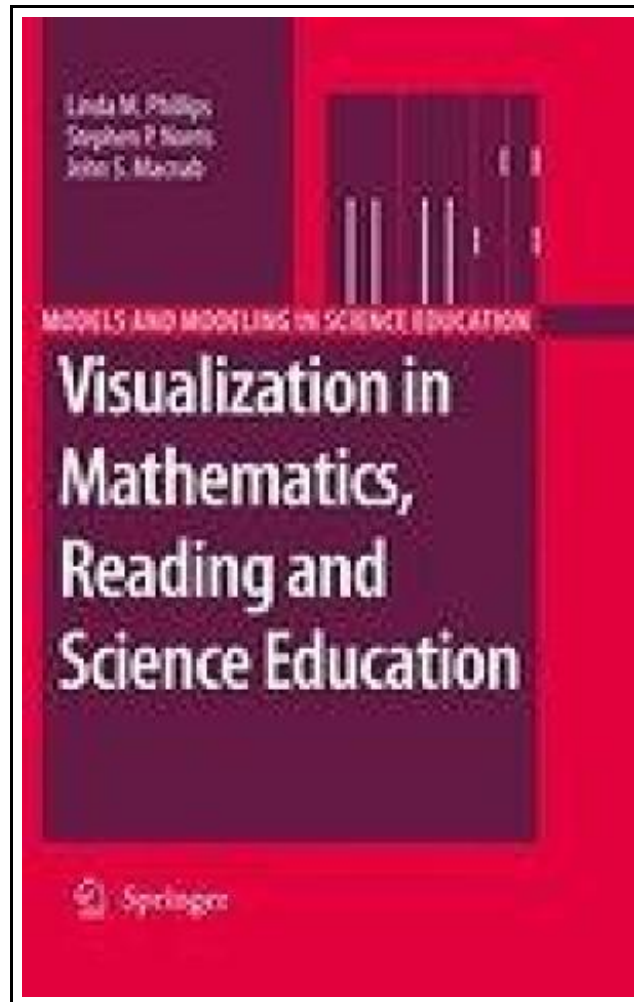


Visualization in Mathematics, Reading and Science Education



Filesize: 5.8 MB

Reviews

An exceptional book as well as the font applied was fascinating to learn. It is loaded with knowledge and wisdom I am just easily can get a pleasure of studying a created book.

(Dr. Benjamin Lakin)

VISUALIZATION IN MATHEMATICS, READING AND SCIENCE EDUCATION



Springer Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 235x155x6 mm. This item is printed on demand - Print on Demand Titel. Neuware - Visualizations either self-created or external visual stimuli used as an aid to learning are probably as old as learning itself. Yet surprisingly little research has been done either into how precisely they help us learn, or how to produce ones that are effective pedagogical tools. This volume, a comprehensive review of theory and research on the use of visualization in mathematics, science and reading, contrasts the two dominant theoretical paradigms of how people construct and interpret visualizations. However, the authors never lose sight of practical applications, providing frequent, accessible synopses of research findings in addition to succinct summaries of how the research affects practice. Written by a team with decades of experience in research and practice in the three subjects, the chapters show how cognitive psychology can enhance practical pedagogy, place visualizations in their proper historical context, and analyze in detail the effectiveness of paper-, computer- and video-based visualizations, with some surprising results. The book is published at a time when, it seems, there is no limit to the art of creating visualizations, as powerful computers make graphics ever more colorful and realistic and interactivity is firmly established as a buzzword in the educational lexicon. The aim of the volume is to explore some central questions in the field, including how to evaluate visualizations and whether or not they can act as an aid to reading development, and to mathematics and science learning. The authors also point to potentially fruitful subjects for future research, and offer their own conclusions and recommendations. As the debate continues over the value of visualizations, with polarized arguments on the one hand lauding them and on the other dismissing them as gimmicks,...



[Read Visualization in Mathematics, Reading and Science Education Online](#)

[Download PDF Visualization in Mathematics, Reading and Science Education](#)

You May Also Like



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Read eBook »](#)



Programming in D

Ali Cehrelizadeh, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Read eBook »](#)



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Read eBook »](#)



Friendly Corners Series: Pizza Zombies - Book #2

Hyperion, 1900. Paperback. Book Condition: New. 1st Hyperion edition. Hyperion 1900 1st Hyperion edition New/ View through cover. From School Grade 4-7. Many years ago, a large meteorite struck the original settlers of Friendly Corners,...

[Read eBook »](#)



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English] (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Read eBook »](#)