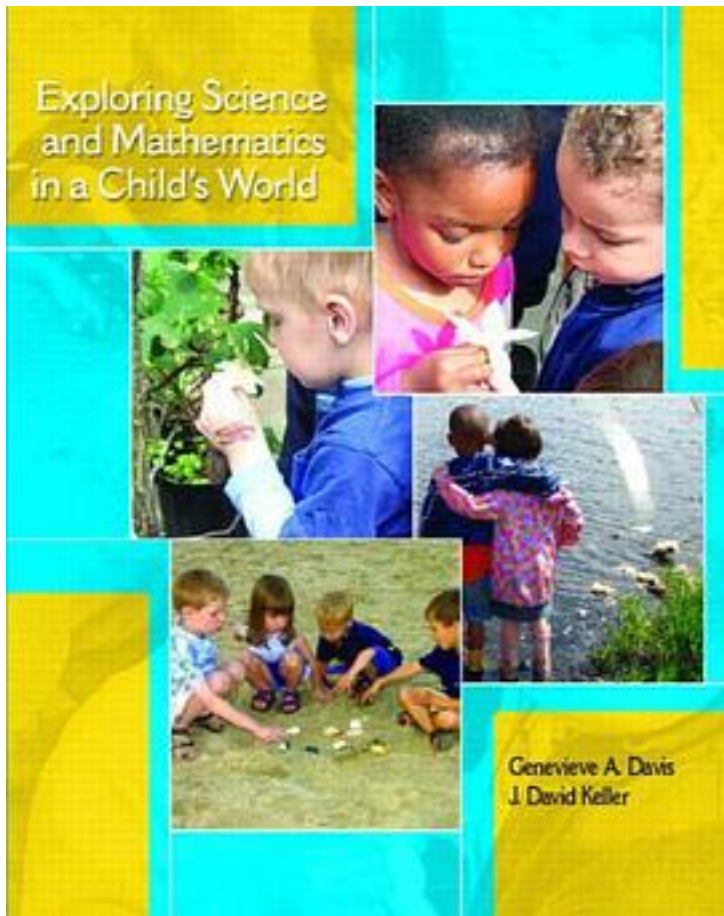


Exploring Science and Mathematics in a Child's World



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How do young children learn math and science? Exploring Science and Mathematics in a Child's World examines the development of learning theory through twelve concept

explorations on basic natural science themes. The book models how best learning practices are constructed in classroom settings. It also demonstrates how to apply mathematical concepts in authentic minds-on and hands-on experiences related to science. Part One lays the foundation of child development, interrelated mathematics and science processes, and Concept Exploration design. Concept Exploration provides an alternative approach to the usual reliance on a basis model, enabling the teacher and students to explore a wider range of design concepts. This is outlined in Chapter Six. Part Two contains chapters of activities based around a theme such as water, clouds, sun and shadows, wind, birds, insects, and more. All of the activities correlate to the NSES and NCTM standards. This is pictured in a chart at the beginning of each activity chapter for easy reference. For schools where blended math and science courses are offered, this book fills a need as one that demonstrates appropriate content integration and will be a great reference for teachers for many years.

作者介绍:

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