



# Experiencing Science and Math in Early Childhood

Eva Stelzer, *Vanier College*

Designed for ECE programs that have either a mandatory science and/or math methods requirement or those that integrate science and/or math into their overall curriculum. *Experiencing Science and Math in Early Childhood* demonstrates how educators can set up Early Childhood environments so that children will interact and experiment with everyday objects. In addition, the text offers a theoretical basis for experimenting and learning math.

©2005, 224 pp.  
ISBN 0-13-177630-4

## FEATURES:

- **Photos throughout the text** show exactly how science and math “Experiences” should be set up in the classroom
- **Helps students focus on key elements** – Each chapter contains both “Chapter Focus” points as well as “Learning Outcomes”
- **Helps students summarize chapter** – Each chapter contains a “Summary” of 1-3 paragraphs in length
- **Helps students with key terms** – “Key Terms” listed alphabetically and defined in each chapter
- **Excellent pedagogy for learning and teaching** – e.g. “Review for Reflection” questions in each chapter
- **Weblinks** – Relevant “Weblinks” included in each chapter
- **Extra Resources** – “Further Readings and Resources” supplied in each chapter

## TABLE OF CONTENTS

Chapter 1: Science and Mathematics in Early Childhood

### Section I: Child Development and Learning Theory

Chapter 2: Theories Behind the Practice

### Section II: Physical Science

Chapter 3: Structure of Matter  
Chapter 4: Forces of Nature

### Section III: Health and Natural Sciences

Chapter 5: Health Sciences  
Chapter 6: Natural Sciences  
Chapter 7: Environmental Sciences

### Section IV: Mathematics

Chapter 8: Number Sense and Numeration  
Chapter 9: Measurement  
Chapter 10: Geometry  
Index.

For sample copies or ordering information, please contact your local Pearson Education Canada sales representative or contact Faculty & Sales Service at 1.800.850.5813 or [phabinfo.pubcanada@pearsoned.com](mailto:phabinfo.pubcanada@pearsoned.com)

PEARSON  
Education  
Canada