

# Contents

---

---

Preface	v
Chapter 1 Helping All Students Learn Science and Math	1
Chapter 2 Student Inquiry in Science and Mathematics	30
Chapter 3 Collaborative Learning	62
Chapter 4 Differentiated Instruction: Multiple Paths to Learning and Assessment	88
Chapter 5 Science for All Students: Collaborative Inquiry and Active Involvement	120
Chapter 6 Learning about Mathematics: Mathematical Reasoning and Collaborative Problem Solving	156
Chapter 7 Project-Based Learning Projects, Thematic Units, and Collaboration	193
Chapter 8 Technology, Science, and Math: The Motivating and Collaborative Possibilities of Powerful Tools	228