

Contents

Acknowledgments	vii
Foreword.....	viii
Using This Book.....	1
Part 1: Awareness.....	9
Awareness 1: What Do Scientists Do?	10
Awareness 2: Getting Excited About Sponges.....	13
Part 2: Exploration	19
Exploration 1: A Closer Look at Sponges	20
Exploration 2: Matching Up Sponges.....	24
Exploration 3: Sponge Sorting.....	28
Exploration 4: Sponges Get Wet.....	32
Exploration 5: Sharing Home Samples.....	36
Part 3: Inquiry	43
Inquiry 1: Soak it Up	44
Inquiry 2: Looking at Holes.....	49
Inquiry 3: Printing Holes.....	53
Inquiry 4: I Wonder...	57
Part 4: Advanced Inquiry.....	63
Advanced Inquiry 1: How Much Water?.....	64
Advanced Inquiry 2: How Heavy Is the Water?	69
Part 5: Application	75
Application 1: Spongy Cakes	76
Application 2: Is This a Sponge?	79
Part 6: Sponges Across the Curriculum.....	85
Across the Curriculum 1: Creative Dramatics.....	86
Across the Curriculum 2: Writing to Learn.....	90
Across the Curriculum 3: Sponge Painting.....	92



Across the Curriculum 4: Sponges and Seeds	94
Across the Curriculum 5: Sponge Cooking.....	96
Part 7: Science for Young Learners.....	101
Why Preschool Science?	102
Teaching with Learning Cycles.....	110
Documenting Learning	114
Part 8: All About Sponges	117
Sea Sponges Are Animals.....	118
References	127

