

Contents

Foreword by Larry Cuban xi

Preface xv

CHAPTER 1	From Instruction to Construction	1
	The Apple Classrooms of Tomorrow (ACOT) Project	3
	ACOT's Research Program	7
	What We Learned: A Historical Overview	8
	ACOT's Changing Mission	10
	Real School	11
	Shifting From Instruction to Construction	12
CHAPTER 2	The Challenge of Instructional Change: Two Teachers' Stories	16
	Elizabeth Bennett: Fifth Grade	18
	Christine Lee: Ninth- and Tenth-Grade Math	24
	The Influence of Context on Instructional Change	30
CHAPTER 3	The Evolution of Instruction in Technology-Rich Classrooms	33
	The Promise of Technology for Education	34
	The Importance of Personal Beliefs to Instructional Evolution	36
	Stages of Instructional Evolution	37
	Building Support for Instructional Change	47
CHAPTER 4	Managing a Technology-Rich Classroom	55
	Stages of Concern	56
	Stage 1: Entry	56
	Stage 2: Adoption	62
	Stage 3: Adaptation	67
	Classroom Management Revisited	72

CHAPTER 5	Redefining Student and Teacher Roles	76
	Using Student Experts in the Classroom	77
	Expanding the Role of Student Experts	83
	Considerations in Redefining Classroom Roles	86
CHAPTER 6	Maintaining Student Engagement	89
	Positive Changes in Student Engagement	90
	Challenges Associated with Changes in Student Engagement	96
	Toward a Broader View of Student Engagement	101
	Conditions for Creating Enduring Student Engagement	102
CHAPTER 7	Enhancing Innovation and Promoting Collegial Sharing: A Reciprocal Relationship	104
	Changes in Collegial Sharing	105
	Instructional Change and Collegial Sharing in ACOT Classrooms	114
	The Link Between Technological Innovation and Collegial Sharing	116
	Creating Collaborative Environments	118
CHAPTER 8	Integrating Technology into the Curriculum: An Exemplary Unit of Practice	120
	The ACOT and National Alliance Partnership	121
	An Exemplary UOP: "Journey Through the Twentieth Century"	124
	Reflecting on the Unit as a Whole	133
CHAPTER 9	Creating an Alternative Context for Teacher Learning	137
	A New Model for Teacher Development	139
	Program Participants	141
	Teachers' Experiences at the Teacher Development Centers	142
	The Need for New Forms of Staff Development	151

CHAPTER 10	Back to the Real World: Opportunities and Obstacles in Staff Development	153
	Barriers to Change	154
	The Potential of Staff Development	156
	Supports for Change	163
CHAPTER 11	Technology: One Tool Among Many	169
	Changing Teacher's Beliefs	171
	Using Technology Within the Curricular Framework	174
	The Importance of a Supportive Context	178
	Taking a Long-Term Perspective	181
	Teachers as the Gateway to Change	183
	Methodological Appendix	187
	References	195
	About the Authors	203
	Index	205