## **Contents**

178

Fo	reword by Lilian G. Katz	Eliciting Children's Project Questions	vii	coughout
Introduction: Getting to Deep Project Work				
	What Do High-Quality Deep Projects Look Like	early education and add to land smooth	1	
	How to Get There: An Overview of This Book		2	
	A Personal Journey		2	
	PART I: FOUNDATIONS OF TH	IF PROJECT APPROACH 39 195192 add		
riggs				
s,le	Connecting New Knowledge About the Brai	n with the Project Approach	7	
	The Project Approach in Action: Engaged Mean	ningful Learning	8	
	Scientifically Substantiated Art of Teaching		10	
	MBE Science Instructional Guidelines		14	
	Children's Intellectual Capacity	Strategies for Creating Provocations	15	
	Foundations of Project Work	and make senseting manual and	21	
2.	Supporting the Development of the Mind T	hrough Deep Project Work	22	
	Insights from Psychology		22	
	Insights from Pedagogy		29	
	Guidance from John Dewey on Project Work		33	
	Direction from Lilian Katz on Strengthening Dis	positions (5) 2 510 Nomino (7) Nomino	37	
	Applying What We've Learned		38	
123	PART II: STRATEGIES AND METHOD	OS FOR DEEP PROJECT WORK		
	forts to address children's intellecteMinster	pendin E. Craating an Anticipatory Pla		
3.	Choosing the Best Topics	ry school classes.	41	
	The Importance of the Topic	ngendix G. Beflecting on Project Work	43	
	Setting the Stage		45	
	Considering Curriculum Goals and Standards	description of how the webbing of	53	
	Addressing Common Issues in Topic Selection	the planning and progress of a project.	57	

4. Refining the Planning Process

4.	Refining the Planning Process	59
	Teacher as Planner	59
	Tying Together Standards and Topics	60
	Creating and Using an Anticipatory Planning Web	63
	Using Lesson Plans with Projects	69
5.	Questions, Questions	71
	Questions and MBE Science	71
	Eliciting Children's Project Questions	74
	Asking Teacher's Project Questions 200 May 129 1019 questions 200 May 129 1019 questions	82
	What Do High-Quality Deep Projects Look Like?	83
6.	Representing Thought	84
	To Render an Idea—A Child's or the Teacher's?	84
	The Spider Project: An Example	86
	Encouraging Representation	94
7.	Creating Provocations	98
	Small-Scale Provocations or mechanical philosoft is the parameter of the p	99
	Large-Scale Provocations Routelines Routelin	104
	Strategies for Creating Provocations Cation Data	112
	The Journey Continues  Foundations of Project Work	113
Ap	ppendix A. Categories of Information in MBE Science Applicable to Teaching	115
Ap	opendix B. John Dewey's Vision of Project Work: How Close Am I? 1929 montal adapted	117
Ap	opendix C. Common Core State Standards and Project Work	
	Guidance from John Dewey on Project M netracking in Kindergarten M poject M netracking in Kindergarten M netracking in Kinde	
Ap	opendix D. Common Core State Standards and Project Work for Manual Manua	122
Ap	opendix E. Tying Together Curriculum Goals and Content Authentically	123
Ap	opendix F. Creating an Anticipatory Planning Web	124
Ap		126
-	Setting the Stage Setting the Stage	128
	ned ou acid-free paper	
	Addressing Common Issues in Topic Selection	
AF	bout the Author	135