# Table of Contents

Acknowledgments

1 **Introduction**  
Talk, Learning, and Teaching  
*Lauren B. Resnick, Christa S. C. Asterhan, and Sherice N. Clarke*

2 **Prologue**  
The Study of Classroom Discourse:  
Early History and Current Developments  
*Hugh (Bud) Mehan and Courtney B. Cazden*

Section 1: Effects of Dialogic Participation in and Beyond the Classroom

3 Dialogue-Intensive Pedagogies for Promoting Reading Comprehension:  
What We Know, What We Need to Know  
*Ian A. G. Wilkinson, P. Karen Murphy, and Sevda Binici*

4 Effective Classroom Talk Is Reading Comprehension Instruction  
*Margaret G. McKeown and Isabel L. Beck*

5 Social and Cognitive Development During Collaborative Reasoning  
*Jingjing Sun, Richard C. Anderson, Tzu-Jung Lin, and Joshua Morris*

6 Developing Norms of Discourse  
*Deanna Kuhn and Nicole Zillmer*

7 An Exploration of Teacher Practices in Relation to Profiles of Small-Group Dialogue  
*Noreen M. Webb, Megan L. Franke, Angela C. Turrou, and Marsha Ing*

8 The Role of Dialogue in Philosophy for Children  
*Keith J. Topping and Steven Trickey*

9 “Scaling Down” to Explore the Role of Talk in Learning: From District Intervention to Controlled Classroom Study  
*Catherine O’Connor, Sarah Michaels, and Suzanne Chapin*

10 The Effects of Cognitive Acceleration  
*Philip Adey and Michael Shayer*

Section 2: Dialogic Classroom Cultures

11 Uncertainty and Scientific Progress in Classroom Dialogue  
*Michael J. Ford and Ellice A. Forman*
Contents

12 Discussing Argumentative Texts as a Traditional Jewish Learning Practice
   Baruch B. Schwarz

13 The Right to Speak
   Sherice N. Clarke

14 Discursive Cultures of Learning in (Everyday) Mathematics Teaching:
   A Video-Based Study on Mathematics Teaching in German and Swiss Classrooms
   Christine Pauli and Kurt Reusser

Section 3: Dialogue in the Digital Age

15 Accountable Talk and Learning in Popular Culture: The Game/Affinity Paradigm
   James Paul Gee

16 Introducing Online Dialogues in Co-Located Classrooms: If, Why, and How
   Christa S. C. Asterhan

17 Computer-Supported Academically Productive Discourse
   Gerry Stahl

18 How Technology Is Broadening the Nature of Learning Dialogues
   Allan Collins and Barbara Y. White

Section 4: Theoretical and Methodological Accounts of Learning and Development Through Dialogue

Theoretical Accounts

19 Why All This Talk About Talking Classrooms? Theorizing the Relation Between
   Talking and Learning
   Anna Sfard

20 Classroom Talk Sequences and Learning
   James G. Greeno

21 Dialogue Patterns in Peer Collaboration That Promote Learning
   Michelene T. H. Chi and Muhsin Menekse

22 Accounting for Socializing Intelligence With the Knowledge-Learning-Instruction Framework
   Kenneth R. Koedinger and Eliane Stampfer Wiese

Methodological Accounts

23 What Sociolinguistics and Machine Learning Have to Say to Each Other
   About Interaction Analysis
   Carolyn Penstein Rosé and Alla Tovares
Contents | ix

24 Statistical Discourse Analysis
Ming Ming Chiu

25 Improving Teaching at Scale: Design for the Scientific Measurement and Learning of Discourse Practice
Richard Correnti, Mary Kay Stein, Margaret S. Smith, Jimmy Scherrer, Margaret G. McKeown, James G. Greeno, and Kevin Ashley

Section 5: Scaling Dialogic Practice Through Teacher Development
26 Teacher Dialogue That Supports Collaborative Learning in the Classroom
Robyn M. Gillies

27 Conceptualizing Talk Moves as Tools: Professional Development Approaches for Academically Productive Discussions
Sarah Michaels and Catherine O'Connor

28 Positioning Novice Teachers as Agents in Learning Teaching
Magdalene Lampert, Hala Ghousseini, and Heather Beasley

29 Orchestrating Productive Mathematical Discussions: Helping Teachers Learn to Better Incorporate Student Thinking
Mary Kay Stein, Randi A. Engle, Margaret S. Smith, and Elizabeth K. Hughes

30 Sequencing Academically Productive Talk in English Language Arts
Vivian Mihalakis, Anthony Petrosky, and Stephanie McConachie

31 The Challenges of Scale
Jonathan Osborne

32 Embedding Dialogic Teaching in the Practice of a Large School System
Lindsay Clare Matsumura and Helen E. Garnier

Epilogue
33 Dialogic Pedagogy at Scale: Oblique Perspectives
Robin Alexander

34 Talking to Learn: The Promise and Challenge of Dialogic Teaching
Lauren B. Resnick with Faith Schantz

Name Index
Subject Index
About the Contributors