

Social Network Theory and Educational Change

Edited by

Alan J. Daly

HARVARD EDUCATION PRESS
CAMBRIDGE, MASSACHUSETTS

Contents

Acknowledgments	ix
Foreword	xi
<i>Judith Warren Little</i>	
CHAPTER 1	
Mapping the Terrain: Social Network Theory and Educational Change	1
<i>Alan J. Daly</i>	
CHAPTER 2	
Overview: Social Network Theory and Analysis	17
<i>Stephen P. Borgatti and Brandon Ofem</i>	
PART I: Teacher Networks	31
CHAPTER 3	
“I Would Go to Her Because Her Mind Is Math”: Network Formation in the Context of a District-Based Mathematics Reform	33
<i>Cynthia E. Coburn, Linda Choi, and Willow Mata</i>	
CHAPTER 4	
Centrality, Connection, and Commitment: The Role of Social Networks in a School-Based Literacy Initiative	51
<i>Allison Atteberry and Anthony S. Bryk</i>	
CHAPTER 5	
Changes in Attitude: Peer Influence in High School Reform	77
<i>Russell P. Cole and Elliot H. Weinbaum</i>	
CHAPTER 6	
Social Networks, Trust, and Innovation: The Role of Relationships in Supporting an Innovative Climate in Dutch Schools	97
<i>Nienke M. Moolenaar and Peter J. C. Slegers</i>	
CHAPTER 7	
Making Expertise Transparent: Using Technology to Strengthen Social Networks in Teacher Professional Development	115
<i>Kira J. Baker-Doyle and Susan A. Yoon</i>	

PART 2: Leadership and Social Networks	127
CHAPTER 8	
Leading and Managing Instruction: Formal and Informal Aspects of the Elementary School Organization	129
<i>James P. Spillane, Kaleen Healey, and Chong Min Kim</i>	
CHAPTER 9	
Between Leaders and Teachers: Using Social Network Analysis to Examine the Effects of Distributed Leadership	159
<i>William R. Penuel, Kenneth A. Frank, and Ann Krause</i>	
CHAPTER 10	
Learning at a System Level: Ties Between Principals of Low-Performing Schools and Central Office Leaders	179
<i>Kara S. Finnigan and Alan J. Daly</i>	
CHAPTER 11	
Strategic “Co-opetition”: Headteacher Networking in Uganda’s Secondary Schools	197
<i>Julie M. Hite, Steven J. Hite, Christopher B. Mugimu, and Yusuf K. Nsubuga</i>	
PART 3: New Directions in Social Network Theory and Education	221
CHAPTER 12	
Utility Theory, Social Networks, and Teacher Decision Making: Modeling Networks’ Influences on Teacher Attitudes and Practices	223
<i>Kenneth A. Frank, Chong Min Kim, and Dale Belman</i>	
CHAPTER 13	
Studies of Networks in Education: Methods for Collecting and Managing High-Quality Data	243
<i>Jorge Ávila de Lima</i>	
CHAPTER 14	
Surveying the Terrain Ahead: Social Network Theory and Educational Change	259
<i>Alan J. Daly</i>	
Notes	275
About the Editor	317
About the Contributors	319
Index	323