

Contents

A Note from Jim Cooper	vii
Organization of Book	ix
Section 1. Group Learning: Definitions and Distinctions	1
1. What is Cooperative Learning?	3
<i>Jim Cooper</i>	
2. Building Bridges Between Cooperative and Collaborative Learning	6
<i>Roberta S. Matthews, James L. Cooper, Neil Davidson, and Peter Hawkes</i>	
3. Collaborative & Cooperative Learning in Higher Education: A Proposed Taxonomy	18
<i>Joe Cuseo</i>	
Section 2. Why Use Cooperative Strategies? Research and Theory	27
4. FIPSE-Sponsored CL Research at Dominguez Hills and Community Colleges	29
<i>Jim Cooper and Pamela Robinson</i>	
5. Research on Cooperative Learning in College Science, Mathematics, Engineering, and Technology	33
<i>Leonard Springer</i>	
6. How Cooperative Learning Can Fullfill the Promises of the "Seven Principles"	39
<i>Barbara Millis</i>	
7. What Matters in College? Implications for Cooperative Learning of a New National Study	44
<i>Alexander W. Astin</i>	
8. Critical Thinking and Cooperative Learning: A Natural Marriage	63
<i>Joseph B. Cuseo</i>	

9. Cooperative Learning: A Pedagogy for Diversity	75
<i>Joseph B. Cuseo</i>	
10. Ten Reasons College Administrators Should Support Cooperative Learning	90
<i>Jim Cooper</i>	
Section 3: Informal Small-group Procedures	97
11. A Cooperative Learning Structure for Large Classes: Think-Pair-Share	99
<i>Barbara J. Millis and Philip G. Cottell Jr.</i>	
12. Think-Pair-Square Applied to a Review Session	106
<i>Joy Ollen</i>	
13. Guided Peer Questioning: A Cooperative Learning Approach to Critical Thinking	112
<i>Alison King</i>	
14. Quick-thinks: Active-thinking Tasks in Lecture Classes and Televised Instruction	122
<i>Susan Johnston and Jim Cooper</i>	
15. Supporting Student Success Through Scaffolding	135
<i>Susan Johnston and Jim Cooper</i>	
16. The Use of Pairs in Cooperative Learning	146
<i>Mel Silberman</i>	
Section 4: Formal Cooperative-learning Strategies	153
17. More Tips for Getting Started in Cooperative Learning (CL)	155
<i>Susan Prescott-Johnston</i>	
18. Getting Started with Cooperative Learning	161
<i>Susan Prescott-Johnston</i>	
19. Using Small-Group Development to Facilitate Cooperative Learning Base Groups	166
<i>Nancy E. Stetson</i>	
20. College Classrooms' Lost Gold Mine: The Cooperative Base Group	171
<i>Susan E. Gruber and Darlene Vanselow Habanek</i>	
21. Structured Controversy/Constructive Controversy	179
<i>David W. Johnson, Roger T. Johnson and Karl A. Smith</i>	

22. Group Investigation in the University Classroom	183
<i>Shlomo Sharan</i>	
Section 5: Implementing Interactive Group	
Instruction: Practical Advice	191
23. Faculty and Student Resistance to Cooperative Learning	193
<i>Ted Panitz</i>	
24. Building Community One Brick at a Time	201
<i>Marcy Hamby Towns</i>	
25. Group Formation in Cooperative Learning: What the Experts Say	207
<i>Jim Cooper</i>	
26. Trouble-Shooting Cooperative Learning	211
<i>Susan Prescott Johnston</i>	
27. Trouble-Shooting Cooperative Learning	216
<i>Susan Prescott Johnston</i>	
28. Trouble-Shooting	222
<i>Susan Prescott Johnston</i>	
29. Peer Revision: Sharing the Power and the Work	231
<i>Susan Johnston</i>	
30. Supporting Student Success in the Classroom	236
<i>Susan Johnston</i>	
Part II: What the Experts Are Thinking	247
The 21st Century College: The Three Cs	251
<i>David W. Johnson and Roger T. Johnson</i>	
Cooperative Learning and Service Learning: Soul-mates for Reflection in Higher Education	267
<i>James Mitchell</i>	
Small-group Learning in Higher Education: A Status Report and an Agenda for the Future	282
<i>James L. Cooper, David Ball and Pamela Robinson</i>	
Cooperative-learning Structures for Brain-compatible Instruction	292
<i>Spencer Kagan</i>	

Surveys and Cooperative Learning: Using Student Experiences as the Basis for Small-group Work	311
<i>Mark H. Maier</i>	
Using Cooperative Games for Learning and Assessment	321
<i>Barbara J. Millis</i>	
The Interactive Lecture: Reconciling Group and Active-learning Strategies with Traditional Instructional Formats	336
<i>James L. Cooper, Pamela Robinson, and David Ball</i>	
A Crisis of Clarity	349
<i>Susan Johnston</i>	