

# Contents

<i>Preface</i>	vii
<i>Introduction—An Overview</i> STUART MACLURE	ix
<b>I. Learning to Think: The Direct Method</b>	
1. The direct teaching of thinking in education and the CoRT Method EDWARD DE BONO	3
Commentary MALCOLM SKILBECK	15
2. Research work on the CoRT Method JOHN EDWARDS	19
3. Instrumental Enrichment: A strategy for cognitive and academic improvement FRANCES R. LINK	31
4. Reviving thought processes in pre-adolescents ROSINE DEBRAY	49
<b>II. Learning to Think: The Infusion Approach</b>	
5. The passion of thoughtfulness: Arts, humanities and the life of the mind MAXINE GREENE	65
6. Cognitive acceleration through science education PHILIP ADEY	79
7. Learning thinking through the new technologies MICHEL CAILLOT	95
8. Strengthening reasoning and judgement through philosophy MATTHEW LIPMAN	103

9. From practice to theory: Improving the thinking process  
BRITT-MARI BARTH 115
10. Thought processes in learning  
ANTOINE DE LA GARANDERIE 127
11. The Project FACE (Formal Aims of Cognitive Education)  
TOUKO VOUTILAINEN 137

### **III The Application of Cognitive Knowledge to the Teaching of Thinking**

12. Critical thinking across multiple intelligences  
MINDY L. KORNHABER and HOWARD GARDNER 147
- Commentary  
    FRANÇOIS BRESSON 171
13. Methods and approaches  
JOHN NISBET 177
- Commentary  
    CHRISTIANE GILLIÉRON 187
14. Issues related to the whole child: Implications for curriculum  
    development  
    HIROSHI AZUMA 191

### **IV Appendix**

15. Background Report: The key issues and literature reviewed  
    Secretariat, Centre for Educational Research and Innovation,  
    OECD 201
- Name Index* 231
- Subject Index* 235