# Table of Contents

Foreword ............................................................................................................................................. xv

Preface ............................................................................................................................................... xvii

## Section 1
Theory and Research

### Part 1
Mapping the Field

#### Chapter 1
Interactive Whiteboards: A Literature Survey ........................................................................................ 1
  * Dave Miller, Keele University, UK  
  * Derek Glover, Keele University, UK

#### Chapter 2
Policy, Pedagogy and Interactive Whiteboards: What Lessons Can be Learnt from Early Adoption in England? ........................................................................................................................... 20
  * Gemma Moss, University of London, UK  
  * Carey Jewitt, University of London, UK

#### Chapter 3
Interactive Whiteboards and the Discourses of Transformation, Affordance, Orchestration and Participation ................................................................................................................................... 37
  * Alison Twiner, The Open University, UK

#### Chapter 4
Designing Resources for IWBs: The Emerging Roles of Educational Publishers and Materials Writers ................................................................................................................................... 53
  * Byron Russell, Woodstock Publishing Partnership, UK
Chapter 5
Meeting Teachers’ Real Needs: New Tools in the Secondary Modern Foreign Languages Classroom ............................................................................................................................................. 69
Carol Gray, University of Birmingham, UK

Chapter 6
The Impact of Interactive Whiteboards on Classroom Interaction and Learning in Primary Schools in the UK ............................................................................................................................................. 86
Steven Higgins, University of Durham, UK

Chapter 7
Using the Interactive Whiteboard to Stimulate Active Learning in School Science ......................... 102
Sara Hennessy, University of Cambridge, UK
Rosemary Deaney, University of Cambridge, UK
Chris Tooley, Bottisham Village College, UK

Chapter 8
Enhanced Interactivity in Secondary Mathematics ............................................................................. 118
Dave Miller, University of Keele, UK
Derek Glover, University of Keele, UK

Chapter 9
Interactive Whiteboards and Student Achievement ............................................................................. 131
Karen Swan, University of Illinois at Springfield, USA
Annette Kratcoski, Kent State University, USA
Jason Schenker, Kent State University, USA
Mark van-'t Hooft, Kent State University, USA

Chapter 10
Effective Implementation of Learner Response Systems: Moving Beyond the Right Response ............................................................................................................................................. 144
Diana Bannister, University of Wolverhampton, UK
Andrew Hutchinson, University of Wolverhampton, UK
Helen Sargeant, University of Wolverhampton, UK
Chapter 11
A Model of Pedagogical Change for the Evaluation of Interactive Whiteboard Practice .............. 162
*Julie Cogill, King’s College London, UK*

Chapter 12
A New Interactive Whiteboard Pedagogy through Transformative Personal Development .......... 179
*Maureen Haldane, Manchester Metropolitan University, UK*

Chapter 13
First Steps Toward a Model of Interactive Whiteboard Training for Language Teachers .......... 197
*Euline Cutrim Schmid, University of Education Heidelberg, Germany*
*Estelle Schimmack, Anna-Lindh Primary School, Germany*

Chapter 14
Using Interactive Whiteboards to Teach Grammar in the MFL Classroom: A Learner’s Perspective .......................................................................................................................................... 216
*Barbara Bettsworth, Lancaster Girls’ Grammar School, UK*

Chapter 15
Technology Shaping a Democratic Classroom: The Livingstone Case Study .......................... 225
*Brenda Lim-Fong, University of British Columbia, Canada*
*Rebecca Robins, David Livingstone Elementary School, Canada*

Chapter 16
IWBs as Support for Technology-Related Projects in EFL Education in Brazil ...................... 238
*Doris de Almeida Soares, Brazilian Naval Academy & Pontifical Catholic University of Rio de Janeiro, Brazil*

Chapter 17
Documenting Teachers’ and Students’ Experiences with Interactive Whiteboards in Ireland: Key Findings from an Irish Pilot Project ................................................................. 250
*Miriam Judge, Dublin City University, Ireland*
Afterword
Magic Wand or Museum Piece? The Future of the Interactive Whiteboard in Education ............. 264
Stephen Bax, University of Bedfordshire, UK

Compilation of References ........................................................................................................... 278

About the Contributors .................................................................................................................... 305

Index................................................................................................................................................... 311