Volume I Part I: Professional Development and Training 1. A Research Agenda for Online Teacher Professional Development Chris Dede, Diane Jass Ketelhut, Pamela Whitehouse, Lisa Breit and Erin M. McCloskey 2. The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting Brian W. Donavant 3. Understanding Interpersonal Interaction in an Online Professional Development Course Rod P. Githens 4. Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant 5. Responding to Technological Change: IT Skills and the Academic Teaching Profession Phillip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet 6. Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott 7. Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee 8. Integrating Technology into Field-based Experiences: A Model that Fosters Change 1 Sharon Judge and Blanche O'Bannon 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education 1 James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 1		pendix of Sources	xi
 Part 1: Professional Development and Training A Research Agenda for Online Teacher Professional Development Chris Dede, Diane Jass Ketelhut, Pamela Whitehouse, Lisa Breit and Erin M. McCloskey The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting Brian W. Donavant Understanding Interpersonal Interaction in an Online Professional Development Course Rod P. Githens Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 	Ear	and Research in the Field Michael Thomas	xxiii
 Part 1: Professional Development and Training A Research Agenda for Online Teacher Professional Development Chris Dede, Diane Jass Ketelhut, Pamela Whitehouse, Lisa Breit and Erin M. McCloskey The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting Brian W. Donavant Understanding Interpersonal Interaction in an Online Professional Development Course Rod P. Githens Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 			
 A Research Agenda for Online Teacher Professional Development Chris Dede, Diane Jass Ketelhut, Pamela Whitehouse, Lisa Breit and Erin M. McCloskey The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting Brian W. Donavant Understanding Interpersonal Interaction in an Online Professional Development Course Rod P. Githens Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 		Volume I	
Chris Dede, Diane Jass Ketelhut, Pamela Whitehouse, Lisa Breit and Erin M. McCloskey 2. The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting Brian W. Donavant 3. Understanding Interpersonal Interaction in an Online Professional Development Course Rod P. Githens 4. Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant 5. Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet 6. Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott 7. Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee 8. Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching	Paı	rt I: Professional Development and Training	
 The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting Brian W. Donavant Understanding Interpersonal Interaction in an Online Professional Development Course Rod P. Githens Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 	1.	Chris Dede, Diane Jass Ketelhut, Pamela Whitehouse, Lisa Breit and	3
 Understanding Interpersonal Interaction in an Online Professional Development Course Rod P Githens Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott Pedagogical Implications of Online Discussion for Preservice Teacher Training 1 Yeonwook Im and Okhwa Lee Integrating Technology into Field-based Experiences: A Model that Fosters Change 1 Sharon Judge and Blanche O'Bannon Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education 1 James Laffey Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 1 	2.	The New, Modern Practice of Adult Education: Online Instruction in a Continuing Professional Education Setting	23
 Learning to Teach with the Web: Factors Influencing Teacher Education Faculty Michael M. Grant Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 	3.	Understanding Interpersonal Interaction in an Online Professional Development Course	43
 5. Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer, Nicola Thomas, Gareth Reast, Joyce Barlow and Fred Maillardet 6. Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott 7. Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee 8. Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 	4.	Learning to Teach with the Web: Factors Influencing Teacher Education Faculty	67
 6. Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students Nan Huai, Jeffery P. Braden, Jennifer L. White and Stephen N. Elliott 7. Pedagogical Implications of Online Discussion for Preservice Teacher Training Yeonwook Im and Okhwa Lee 8. Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 	5.	Responding to Technological Change: IT Skills and the Academic Teaching Profession Philip Haynes, Ken Ip, Patrick Saintas, Stan Stanier, Helen Palmer,	83
7. Pedagogical Implications of Online Discussion for Preservice Teacher Training 1 Yeonwook Im and Okhwa Lee 8. Integrating Technology into Field-based Experiences: A Model that Fosters Change 1 Sharon Judge and Blanche O'Bannon 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education 1 James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 1	6.	Effect of an Internet-based Professional Development Program on Teachers' Assessment Literacy for All Students	95
8. Integrating Technology into Field-based Experiences: A Model that Fosters Change Sharon Judge and Blanche O'Bannon 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 1	7.	Pedagogical Implications of Online Discussion for Preservice Teacher Training	121
 9. Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education 1 James Laffey 10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 1 	8.	Integrating Technology into Field-based Experiences: A Model that Fosters Change	139
10. Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching 1	9.	Appropriation, Mastery and Resistance to Technology in Early Childhood Preservice Teacher Education	157
Kimherly Kimhell-Lonez and Flizaheth Stephens	10.	Adoption of Information Communication Technology by Teacher Educators: One-on-One Coaching Kathryn Matthew, Rebecca Callaway, Catherine Letendre,	181

11.	Learning to Teach with Technology: Authoring Practised Identities Eli Ottesen	199
12.	Supporting Change and Scholarship through Review of Online Resources in Professional Development Settings	217
	Jason Ravitz and Christopher Hoadley	21/
13.	Can You Hear Me Now? Evaluation of an Online Wireless	
	Technology to Provide Real-time Feedback to Special Education	
	Teachers-in-Training	237
	Marcia L. Rock, Madeleine Gregg, Beth K. Thead, Sarah E. Acker, Robert A. Gable and Naomi P. Zigmond	
14.	Teaching Courses Online: A Review of the Research	261
	Mary K. Tallent-Runnels, Julie A. Thomas, William Y. Lan,	
1 -	Sandi Cooper, Terence C. Ahern, Shana M. Shaw and Xiaoming Liu	
15.	How Student Teachers Develop Their Understanding of Teaching	307
	Using ICT Liz Taylor	307
16.	Measuring the Learning of University Teachers Following Online	
	Staff Development Courses: A Spanish Case Study	323
	Luis M. Villar and Olga M. Alegre	
	Volume II	
Paı	rt II: Digital Pedagogies	
17.	Pedagogical Considerations for a Web-based Tandem Language	
	Learning Environment	3
	Christine Appel and Tony Mullen	
18.	Digital Storytelling as a Signature Pedagogy for the New Humanities	23
10	Rina Benmayor Ruilding on Solid Foundations, Establishing Criteria for a Learning	
19.	Building on Solid Foundations: Establishing Criteria for e-Learning Development	39
	Eddie Blass and Ann Davis	0,
20.	Getting Up to Speed on the Information Highway: Integrating	
	Web-based Resources into Business Communication Pedagogy	59
	Thomas D. Clark, Sherrie E. Human, Heidi Amshoff and Mike Sigg	
21.	Using Digital Videos to Enhance Teacher Preparation	73
วว	Stacy K. Dymond and Johnell L. Bentz E-Learning Pedagogy in the Third Millennium: The Need for	
22.	Combining Social and Cognitive Constructivist Approaches	95
	Uschi Felix	,0
23.	Forging a Learning Community? A Pragmatic Approach to	
	Co-operative Learning	113
	Richard Hall	
24.	Cybertext Challenge: Teaching Literature in the Digital World	131
	Raine Koskimaa	

25.	Going the Distance with Online Education	147
26.	Jorge Larreamendy-Joerns and Gaea Leinhardt The Pedagogical Challenges to Collaborative Technologies	193
	Diana Laurillard	
27.	Computer Mediated Conferencing for Management Learning at the Open University	213
	Gilly Salmon	213
28.	Integrating Technology into a Traditional Learning Environment:	
	Reasons for and Risks of Success Gunter Saunders and Fredrik Klemming	227
29.	Management Classes as Online Learning Communities	239
	Paul Shrivastava	
30.	Expanding Classroom Discussion with an Online Medium David Slavit	251
31.	Working with Difference in Online Collaborative Groups	265
	Regina O. Smith	
32.	Cybercheats: Is Information and Communication Technology Fuelling Academic Dishonesty?	205
	Attila Szabo and Jean Underwood	285
33.	Rethinking Learner Support: The Challenge of Collaborative	
	Online Learning Mary Thorpe	305
34.	Applying Distributed Learning Theory in Online Business	
	Communication Courses Kristin Walker	323
	Volume III	
Paı	rt III: Digital Literacies	
35.	Multimodality, Literacy and Texts: Developing a Discourse	3
	Eve Bearne	
36.	Literacy in the Digital Age: Learning from Computer Games Catherine Beavis, Thomas Apperley, Clare Bradford,	35
	Joanne O'Mara and Christopher Walsh	
37.	How to Become a Sophisticated User: A Two-Dimensional	
	Approach to e-Literacy	49
38.	Roman Brandtweiner, Elisabeth Donat and Johann Kerschbaum Digital Inequality: Differences in Young Adults' Use of the Internet	71
	Eszter Hargittai and Amanda Hinnant	, 1
39.	A Review of School-based Initiatives in Media Literacy Education	91
4 0	Renee Hobbs Information, Knowledge and Learning: Some Issues Facing	
тО.	Epistemology and Education in a Digital Age	109
	Colin Lankshear, Michael Peters and Michele Knobel	/

Lina Lee

41.	Children, Literacy and the UK National Grid for Learning Colin Lankshear and Michele Knobel	133
42.	Children's Use of the Internet: Reflections on the Emerging Research Agenda Sonia Livingstone	159
43.	Gradations in Digital Inclusion: Children, Young People and the Digital Divide Sonia Livingstone and Ellen Helsper	179
44.	A Review of the "Digital Turn" in the New Literacy Studies Kathy Ann Mills	205
45.	A Pedagogy of Multiliteracies: Designing Social Futures The New London Group	235
	Teaching the Virtual Generation Luigi Proserpio and Dennis A. Gioia	271
	From Assimilation to Accommodation: A Developmental Framework for Integrating Digital Technologies into Literacy Research and Instruction David Reinking, Linda D. Labbo and Michael C. McKenna The Demographics, Motivations and Derived Experiences of	291
	Users of Massively Multi-user Online Graphical Environments Nick Yee	307
Par	t IV: New and Emerging Technologies	
	Virtual Team Learning: An Introductory Study Team Exercise Delwyn N. Clark and Jenny L. Gibb	341
50.	Three-dimensional Virtual Worlds and Distance Learning: Two Case Studies of Active Worlds as a Medium for Distance Education <i>Michele D. Dickey</i>	363
	The Interactive Whiteboard: A Literature Survey Derek Glover, David Miller, Doug Averis and Victoria Door	377
52.	The Affordances of Blogging: A Case Study in Culture and Technological Effects Lucas Graves	391
53.	Learning, Teaching, and Scholarship in a Digital Age: Web 2.0 and Classroom Research – What Path Should We Take Now? Christine Greenhow, Beth Robelia and Joan E. Hughes	409
	Volume IV	
Paı	rt IV: New and Emerging Technologies (Continued)	
54.	Online 'Chat' Facilities as Pedagogic Tools: A Case Study Graeme Kirkpatrick	3
55.	Promoting Intercultural Exchanges with Blogs and Podcasting: A Study of Spanish–American Telecollaboration	19

56.	Creating a Successful International Distance-Learning Classroom	41
	Craig B. Little, Larissa Titarenko and Mira Bergelson	
57.	The Slow Death of Formal Learning: A Polemic	63
	David McGuire and Claire Gubbins	
58.	Computerized Games and Simulations in Computer-assisted	
	Language Learning: A Meta-analysis of Research	81
	Mark Peterson	
59.	Why Virtual, Why Environments? Implementing Virtual Reality	
	Concepts in Computer-assisted Language Learning	103
	Klaus Schwienhorst	
60.	Integrating Web 2.0 in e-Learning Environments:	
	A Socio-technical Approach	119
<i>(</i> 1	Marianna Sigala	
01.	Building a Shared Virtual Learning Culture: An International	4.40
	Classroom Partnership	143
62	Doreen Starke-Meyerring and Deborah Andrews More Then (Just a Come): The Implications for Schools of	
02.	More Than 'Just a Game': The Implications for Schools of	165
	Children's Computer Games Communities Ben Williamson and Keri Facer	165
63	A Constructivist Mobile Learning Environment Supported by a	
05.	Wireless Handheld Network	185
	Gustavo Zurita and Miguel Nussbaum	103
	ouota, o Zarta ana mgaci rassbuam	
Paı	t V: Online Assessment	
64.	The Evaluation of Online Courses	201
	V. Benigno and G. Trentin	
65.	Designing and Assessing Online Learning in English Literary Studies	217
	Benjamin Colbert, Rosie Miles, Francis Wilson and Hilary Weeks	
66.	Evaluation of an Online Tool for Assessing Competence in	
	Achievement Testing	233
	David E. Forbush, Donald M. Stenhoff, Eleazor Vasquez III,	
67	Mathew Furzland, Melina Alexander and Jared Stein Student Online Solf Assessment: Structuring Individual Level	
07.	Student Online Self-Assessment: Structuring Individual-level Learning in a New Venture Creation Course	0.51
	Sherrie E. Human, Thomas Clark and Melissa S. Baucus	251
68	Developing Competent e-Learners: The Role of Assessment	273
00.	Janet Macdonald	4/3
69.	E-Portfolios: An Assessment Tool for Online Courses	287
٠,٠	Robin Mason, Chris Pegler and Martin Weller	207
70.	The Experience of Collaborative Assessment in e-Learning	299
	David McConnell	
71.	Assessing and Monitoring Student Progress in an e-Learning	
	Personnel Preparation Environment	321
	Edward L. Meyen, Ronald J. Aust, Yvonne N. Bui and Robert Isaacson	
72.	Virtual Communities and the Assessment of Online Marketing	
	Education	339
	James W. Peltier, William Drago and John A. Schibrowsky	

73.	Teaching Business Cases Online through Discussion Boards: Strategies and Best Practices	373
	Keith Rollag	
74.	Using the Online Environment in Assessment for Learning:	
	A Case-study of a Web-based Course in Primary Care	399
	Jill Russell, Lewis Elton, Deborah Swinglehurst and Trisha Greenhalgh	
75.	The Role of Assessment in a Learning Culture	415
	Lorrie A. Shepard	
76.	Learning-Teaching-Assessment Paradigms and the	
	On-line Classroom	439
	Bruce W. Speck	
77.	Computer-assisted Assessment: Suggested Guidelines for an	
	Institutional Strategy	453
	Derek Stephens, Joanna Bull and Winnie Wade	
78.	Assessment and Collaboration in Online Learning	46
	Karen Swan, Jia Shen and Starr Roxanne Hiltz	