The Routledge Doctoral Student's Companion

Getting to grips with research in Education and the Social Sciences

Edited by

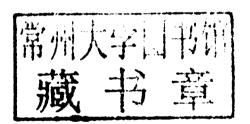
Pat Thomson and Melanie Walker



The Routledge Doctoral Student's Companion

Getting to grips with research in Education and the Social Sciences

Edited by Pat Thomson and Melanie Walker





This first edition published 2010

by Routledge

2 Park Square, Milton Park, Abingdon, Oxon, OX14 4RN

Simultaneously published in the USA and Canada

by Routledge

270 Madison Avenue, New York, NY 10016

Routledge is an imprint of the Taylor & Francis Group, an informa business

© 2010 Pat Thomson and Melanie Walker for selection and editorial material. Individual chapters, the contributors.

Typeset in Bembo by

Taylor & Francis Books

Printed and bound in Great Britain by

TJ International Ltd, Padstow, Cornwall

All rights reserved. No part of this book may be reprinted or reproduced or utilised in any form or by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying and recording, or in any information storage or retrieval system, without permission in writing from the publishers.

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library

Library of Congress Cataloging in Publication Data

The Routledge doctoral student's companion: getting to grips with research in education and the social sciences / edited by Pat Thomson and Melanie Walker. – 1st ed.

p. cm.

1. Education—Study and teaching (Graduate)—Handbooks, manuals, etc. 2. Education—Research—Handbooks, manuals, etc. 3. Social sciences—Research—Handbooks, manuals, etc. 4. Social sciences—Study and teaching (Secondary)—Handbooks, manuals, etc. 5. Doctoral students—Handbooks, manuals, etc. I. Thomson, Pat, 1948—II. Walker, Melanie. III. Title: Doctoral student's companion.

LB2372.E3R68 2010

370.7'2-dc22

2009044881

ISBN10: 0-415-48411-1 (hbk) ISBN10: 0-415-48412-X (pbk) ISBN10: 0-203-85224-9 (ebk)

ISBN13: 978-0-415-48411-4 (hbk) ISBN13: 978-0-415-48412-1 (pbk) ISBN13: 978-0-203-85224-8 (ebk)

Notes on Contributors

Adamson, Bob PhD is Professor of Curriculum Studies at Hong Kong Institute of Education. He publishes in the areas of curriculum, education policy, comparative education and teacher education. His recent publications include China's English: a history of English in Chinese education (Hong Kong University Press, 2004) and Comparative education research approaches and methods (edited with Bray and Mason), published by CERC and Springer.

Anderson, Gary PhD is Professor of Educational Leadership in the Steinhardt School of Culture, Education, and Human Development. His most recent books are *The Action Research Dissertation* (Sage, 2005, with Kathryn Herr) and *Advocacy Leadership: Toward a Post-Reform Agenda* (Routledge, 2009).

Ball, Stephen PhD is the Karl Mannheim Professor of Sociology of Education in the Department of Educational Foundations and Policy Studies, Institute of Education, London UK. He is currently researching: the relationships between philanthropy and education policy, policy enactments in secondary schools, the educational strategies of the black middle class as well as an international study of the global middle class with colleagues in Spain, Argentina, France, Australia and the USA. His most recent books are: Ball, S.J. (2008) The education debate: policy and politics in the 21st Century. Bristol: Policy Press; Ball, S.J. (2007) Education plc: private sector participation in public sector education. London: Routledge; Ball, S.J. (2006) Education Policy and Social Class: Selected Works (World Library of Educationalists). London: Routledge; and Ball, S.J. (2004) The RoutledgeFalmer Reader in Sociology of Education. London: RoutledgeFalmer.

Barr, Jean PhD is Emeritus Professor of the University of Glasgow, and until 2009 was its Professor of Adult and Continuing Education. Her research interests incorporate popular and higher education. Her most recent book, *The stranger within: on the idea of an educated public*, combines a historical study of the Scottish tradition of the 'democratic intellect' with philosophical analysis, drawing on academic and popular traditions locally and globally.

- **Bathmaker, Ann-Marie** PhD is Professor of Education at the University of the West of England, Bristol. Her research focuses on vocational and postcompulsory education, and new forms of higher education. She is particularly interested in constructions of teaching and learning in changing policy and socio-economic contexts, and the implications for social justice, equity and human agency.
- Brown, Andrew PhD is Professor of Education and Dean of the Doctoral School at the Institute of Education, University of London. His research interests include the relationship between every day, professional and academic discourse and practice, the process of research capacity building and research education. His recent publications include *Doing Research/Reading Research: Re-interrogating Education* (with Paul Dowling, 2010, Routledge) and *Working with Qualitative Data* (with Will Gibson, 2009, Sage).
- Cole, Peter PhD, is an Associate Professor in Aboriginal & Northern Studies, University College of the North. His research interests include orality, narrativity, First Nations education and self-determination, environmental thought, and Aboriginalising methodology. He is the author of Coyote and Raven Go Canoeing: Coming Home to the Village (McGill-Queens University Press, 2006) and co-editor of Speaking for Ourselves: Environmental Justice in Canada (UBC Press, 2009).
- Colley, Helen PhD is Professor of Lifelong Learning at the Education and Social Research Institute at Manchester Metropolitan University UK. She is also a Fellow of the National Institute of Careers Education and Counselling (NICEC): www.crac. org.uk/nicec Her research interests are in postcompulsory, informal and lifelong learning; professional roles, identities and practices; youth transitions; mentoring; vocational guidance and career development; vocational learning; gender, class, and social justice in education and learning; emotion and learning; critical feminist theory. She is currently working on an ESRC funded project investigating the impact of 14–19 reforms on career guidance. Her most recent book is Colley, H., Boetzelen, P., Hoskins, B., and Parveva, T. (Eds) (2007) Social inclusion for young people: breaking down the barriers. Strasbourg: Council of Europe.
- Da Silveira Duarte, Joana PhD has recently completed her PhD at the University of Hamburg on the topic of second language learning and bilingual school models. She is now working as a junior lecturer at the University of Cologne, Germany. She is involved in several European projects concerned with the educational achievement of migrants within Europe. She is the Main Convenor of the Postgraduate Network of the European Educational Research Association (EERA).
- Garman, Noreen PhD is Professor of Education in Administrative and Policy Studies, School of Education, University of Pittsburgh, USA. Her current research is examining nanotechnology undergraduate education and she also works as a curriculum consultant for the Andy Warhol Museum. Her most recent books are Piantanida, M. and Garman, N. (in press) The Qualitative Dissertation: A Guide for Students and Faculty, 2nd edition. Thousand Oaks, CA: Corwin Press; and Garman, N. and Piantanida, M. (2006) The Authority to Imagine: The Struggle toward Representation in Dissertation Writing, NY: Peter Lang Publishers.

- Gasper, Des PhD is Professor of Human Development, Development Ethics and Public Policy at the Institute of Social Studies (Erasmus University Rotterdam), The Hague. His research interests are in policy discourse and theories of well-being and human development. Publications include Arguing Development Policy (Frank Cass, 1996), The Ethics of Development (Edinburgh UP, 2004), and Development Ethics (Ashgate, 2010).
- Gorard, Stephen PhD is Professor of Education Research at the University of Birmingham. He researches in many fields including adult participation, educational choice, school improvement, student perspectives, and policy evaluations. Recent publications include Equity in Education (Palgrave, 2010), Overcoming the barriers to HE (Trentham, 2007), and 'Serious doubts about school effectiveness' (British Educational Research Journal, 2010).
- Gorur, Radhika is a doctoral student at the University of Melbourne, Australia. Her research interests include education policy, evidence-based policy making, PISA and actor-network theory. Radhika was the founding student co-ordinator of the Universitas 21 Forum for International Networking in Education (FINE).
- **Gu, Qing** PhD is a senior research fellow at the School of Education, University of Nottingham, UK. Her research interests are teacher professional development, school leadership and improvement and intercultural learning. She is author of *Teacher Development: Knowledge and Context* (Continuum, 2007) and co-author of *Teachers Matter* (Open University Press, 2007), a forthcoming book *New Lives of Teachers* (Routledge) and an original paper on mixed methods research published in *Educational Researcher* in 2008.
- Gulson, Kalervo PhD is an Assistant Professor in the Department of Educational Studies, University of British Columbia. His current research examines connections between education markets in K-12 schooling, gentrification, and inequality in inner city areas of London, Sydney and Vancouver. His work has been published in Race, Ethnicity and Education, Journal of Education Policy and Urban Studies.
- Herman, Chaya PhD is a senior lecturer at the department of education policy at the University of Pretoria, South Africa. Her research interest is doctoral education in South Africa. Her most recent publication is 'Political transformation and research methodology in doctoral education' (Higher Education, published online 29 July 2009).
- Herr, Kathryn PhD is a Professor of Educational Foundations at Montclair State University, Montclair, NJ, USA. Her research interests include equity in education, action/practitioner research, gender issues and youth studies. Recent publications include *The Action Research Dissertation* (2005) (with Gary Anderson).
- Kamler, Barbara PhD is emeritus professor at Deakin University, Melbourne, Australia. Her research explores the theory and practice of writing across the life span, from early childhood to old age, in primary, secondary, university and community contexts. Her current work focuses on doctoral education and early career writing and publication. Recent book publications include *Helping Doctoral Students Write: Pedagogies for Supervision* (with Pat Thomson, Routledge, 2006) and *Publishing Pedagogies*

- for the Doctorate and Beyond (co-edited with Claire Aitchison and Alison Lee, Routledge, 2010).
- Lingard, Bob PhD is a Professorial Research Fellow in the School of Education at The University of Queensland, Australia. His research interests are education policy and gender and schooling. His most recent books are (with Wayne Martino and Martin Mills) Educating Boys (Palgrave, 2009) and (with Fazal Rizvi) Globalizing Education Policy (Routledge, 2010). He also has an in-press edited collection (with Trevor Gale) Research by Association (Sense).
- **Lucas, Robert** is a PhD student at the Stanford University School of Education. His research interests include online teacher knowledge sharing, history education, digital textbooks, and Open Educational Resources. He is a former middle school teacher and holds a BA and MEd from Harvard University.
- **McLean, Monica** PhD is an Associate Professor and Reader in Higher Education in the School of Education at the University of Nottingham. Her research interests focus broadly on pedagogy, social justice and the applications of critical theory in higher education. Her book *Pedagogy and the University: Critical Theory and Practice* (Continuum, 2008) contains her main ideas.
- McWilliam, Erica PhD is Professor of Education in the Centre for Research into Pedagogy and Practice, NIE, Singapore. She is also an Adjunct Professor in the Australian Centre of Excellence in Creative Industries and Innovation. Erica's scholarship covers a wide spectrum, as is evidenced in her numerous publications on creativity, innovative teaching and learning, research methodology and training and educational leadership and management.
- Menter, Ian PhD is Chair of Teacher Education at the University of Glasgow in Scotland. He has been President of the Scottish Educational Research Association (2005–7) and is also a member of the Executive Council of the British Educational Research Association. He represents the Scottish Association on the Council of the European Educational Research Association and is currently the Senior Mentor for EERA's Postgraduate Network.
- **Nixon, Jon** PhD has held chairs at four institutions of higher education within the UK. His most recent publications include *Towards the Virtuous University* (Routledge, 2008) and (Ed. with Lingard and Ranson) *Transforming Learning in Schools and Communities* (Continuum, 2008). He is currently working on *Higher Education and the Public Good* (Continuum, 2010).
- **Noyes, Andy** PhD is Associate Professor of Education at the University of Nottingham, England. His research interests are centred in mathematics education, although his research covers a range of concerns. He is currently directing two major mixed-methods studies of 14–19 mathematics education in England.
- O'Riley, Pat PhD is an Associate Professor in the Dept. of Equity Studies, York University. Her research interests include research methodology; culturally, socially and

environmentally relevant technology discourses in education; and Indigenous thought. She is the author of *Technology*, *Culture and Socioeconomics: A Rhizoanalysis of Educational Discourses* (Peter Lang, 2003), and co-editor of *Speaking for Ourselves: Environmental Justice in Canada* (UBC Press, 2009).

- **Paré, Anthony** PhD is a professor in the Department of Integrated Studies in Education at McGill University, Montreal, Canada. His research areas include academic and workplace writing, rhetorical genre theory, discourse practices, situated learning, and doctoral education. He teaches courses in literacy, writing theory, discourse theory, and academic writing. He is Editor of the McGill Journal of Education.
- Parkes, Rob PhD is Deputy Head of School (Teaching and Learning) and Senior Lecturer in Curriculum Theory, History Education, and Media Literacy, in the School of Education, at the University of Newcastle, Australia. His scholarship is built along two axes of concern focusing on 'knowledge, curriculum, and the representation problem', and 'disciplinarity, pedagogy, and self-formation'.
- **Piantanida, Marie** PhD is an adjunct associate professor in the schools of education at Carlow University and the University of Pittsburgh in Pennsylvania. Her academic interests include epistemological and methodological issues of interpretive dissertation research conducted by scholar-practitioners within professional work contexts. Her most recent publication is the 2nd edition of *The Qualitative Dissertation: A Guide for Students and Faculty* (Corwin Press, 2009), co-authored with Dr. Noreen Garman.
- Pillow, Wanda PhD is Associate Professor of Educational Policy Studies at the University of Illinois. Her interests include qualitative methodologies and analyses of gender, racialisation, sexuality and class as related to issues of representation, power and access. Author of *Unfit Subjects: Teen mothers and Educational Policy* (Routledge, 2004), she is continuing research on educational access and teen mothers and completing projects on Sacajawea, an iconic American Indian woman.
- **Pryor, John** PhD is a Reader in Education at the University of Sussex. His research focuses on social identity and equity aspects of education and includes formative assessment and pedagogy, the doctorate in the social sciences, international and intercultural study. John has directed research projects in both the UK and sub-Saharan Africa, mostly of a broadly micro-sociological nature including collaborative ethnography and action research.
- **Soudien, Crain** PhD of the University of Cape Town has published in the areas of social difference, culture, educational policy, comparative education, educational change, public history and popular culture. He is the co-editor of three books on District Six, Cape Town and the author and/or co-author of two books on the sociology of identity and inclusion.
- Su, Feng PhD is a research fellow at Liverpool Hope University. His primary research interest is in cross-cultural learning contexts and the development of the learner within higher education settings. He is currently working on a co-edited text (with Adamson and Nixon), The Reorientation of Higher Education: compliance and defiance.

- Szkudlarek, Tomasz PhD is Professor at University of Gdansk, where he chairs Department of Philosophy of Education and Cultural Studies in Institute of Education, Faculty of Social Sciences. His interests are contemporary philosophies of education and theories of subjectivity. His publications include 'Empty signifiers, education and politics', Studies in Philosophy and Education 26, 2007; and The Problem of Freedom in Postmodem Education (Bergin and Garvey, 1993).
- Tan, Jennifer Pei-Ling PhD is a Research Fellow at the ARC Centre of Excellence for Creative Industries and Innovation in Queensland University of Technology, Australia. Her research focuses on (i) the adoption and diffusion of contemporary technologies in formal and informal learning environments, and (ii) creativity, multi-literacies and equity issues in educational policy and practice.
- **Thomson, Pat** PhD is Professor of Education in the School of Education, The University of Nottingham and an Editor of the *Educational Action Research Journal*. A former headteacher, her current research focuses on the arts and creativity in school and community change, headteachers' work, and doctoral education. Her recent publications include *Helping doctoral students write: pedagogies for supervision* (with Barbara Kamler, Routledge, 2006); *Doing visual research with children and young people* (Routledge, 2008); and *School leadership-heads on the block?* (Routledge, 2009).
- Wagner, Jon PhD is Professor Emeritus in the School of Education at the University of California, Davis. He is a past President of the International Visual Sociology Association and was the founding Image Editor of Contexts, the American Sociological Association's general interest publication. His current research focuses on children's material culture, qualitative and visual research methods, teaching and school change.
- Walker, Melanie PhD is Professor of Higher Education in the School of Education, The University of Nottingham. Her research explores the normative purposes of higher education and its potential contribution to more equal societies under contemporary policy and economic conditions, and to poverty reduction. She is co-editor of the Journal of Human Development and Capabilities. Her recent publications include: Walker, M. and Unterhalter, E. (Ed.) (2007) Amartya Sen's Capability Approach and Social Justice in Education. 1st edn. Palgrave; and Walker, M. (2006). Higher education pedagogies. Maidenhead: Open University Press.
- Wellington, Jerry PhD is a professor and head of research degrees in the School of Education at the University of Sheffield. He has supervised a large number of PhD and professional doctorate students, and has been external examiner for a wide range of doctoral theses at universities in the UK and overseas. Currently, his main interests are in research methods and in postgraduate education. He has written many journal articles and books on education, methods and methodology, and the role of new technology in education.
- Williams, Kevin PhD is a lecturer in the Higher and Adult Education Studies and Development Unit, Centre for Higher Education Development, at the University of Cape Town. With a research background in the sociology of pharmacy, and only recently having moved into higher education research he is pursuing a growing

interest in agency and student learning in higher education with particular focus on masters and doctoral learning.

Willinsky, John PhD is Professor of Education at Stanford University and the University of British Columbia, as well as director of the Public Knowledge Project, which is dedicated to doing research and development work that is aimed at improving the public and scholarly quality of academic publishing.

Yates, Lynn PhD is Professor of Curriculum and Pro Vice-Chancellor (Research) at the University of Melbourne, and she is a past President of the Australian Association for Research in Education. Her research interests are in education policy, knowledge, inequality, identities and the changing world. She is actively involved in doctoral education and supervision. Her book What does good education research look like? Situating a field and its practices (Open University Press, 2004) is particularly relevant for doctoral students.

Contents

	List of figures	ix
	List of tables	x
	Notes on contributors	xi
	ART 1	
Introduction		1
	hy The Doctoral Companions?	
<i>P</i> .	Thomson and M. Walker	
1	Doctoral education in context	9
-	The changing nature of the doctorate and doctoral students	
	P. Thomson and M. Walker	
PA	ART 2	
Be	coming and being a doctoral student	27
M.	Walker and P. Thomson	
2	T	24
2	Ignorance in educational research	31
	How not knowing shapes new knowledge	
	J. Wagner	
3	When qualitative meets quantitative	43
	Conversations about the nature of knowledge	, , ,
	E. McWilliam and J. Tan	
4	Interdisciplinarity and transdisciplinarity	52
	Diverse purposes of research: theory-oriented, situation-oriented,	
	policy-oriented	
	D. Gasper	
	-	

5	The necessity and violence of theory S. J. Ball	68
6	Bringing theory to doctoral research K. N. Gulson and R. J. Parkes	76
7	Seeking the single thread The Conceptual Quest F. Su, J. Nixon and B. Adamson	85
8	Theory and narrative in the production of knowledge <i>J. Barr</i>	96
9	Making sense of supervision Deciphering feedback A. Paré	107
10	Entering the gates of the elect Obtaining the doctorate in education in South Africa C. Soudien	116
11	Weaving the threads of doctoral research journeys J. Wellington	128
D.A	DT 2	
Co	ART 3 pming to terms with research practice Walker and P. Thomson	143
12	It's been said before and we'll say it again – research is writing P. Thomson and B. Kamler	149
13	Constructing research questions: focus, methodology and theorisation <i>J. Pryor</i>	161
14	Research questions What's worth asking and why? A. Brown	172
15	'There is no golden key' Overcoming problems with data analysis in qualitative research H. Colley	183
16	Dealing with data analysis AM. Bathmaker	200
17	Researching with large datasets: learning to think big when small is beautiful A. Noyes	213

CONTENTS	
Property and the second of the	

18	Doing data analysis S. Gorard	221
19	Argumentation and the doctoral thesis: theory and practice M. McLean	231
20	Writing research M. Piantanida and N. B. Garman	244
21	'Guilty knowledge' The (im)possibility of ethical security in social science research K. Williams	256
22	Dangerous reflexivity Rigour, responsibility and reflexivity in qualitative research W. S. Pillow	270
23	Emotions and being a doctoral student C. Herman	283
Ma	RT 4 king a contribution to knowledge Walker and P. Thomson	295
24	Quality agendas and doctoral work The tacit, the new agendas, the changing contexts L. Yates	299
25	Generating practitioner knowledge through practitioner action research Moving from local to public knowledge G. L. Anderson and K. Herr	311
26	Coyote and Raven talk about equivalency of other/ed knowledges in research P. Cole and P. O'Riley	323
27	Knowledge in context Whose knowledge and for what context? Q. Gu	335
28	Open access and the ongoing transformation of scholarly publishing A guide for doctoral students R. Lucas and J. Willinsky	344
29	Inner university, knowledge workers and liminality T. Szkudlarek	356

30	Global students for global education research? I. Menter, J. Da Silveira Duarte and R. Gorur	368
31	The impact of research on education policy The relevance for doctoral researchers B. Lingard	377
32	Last words Why doctoral study? P. Thomson and M. Walker	390
	Index	403

List of figures

7.1	Contexts of the study	90
7.2	Chinese socio-cultural contexts of origin	91
7.3	British socio-cultural contexts of destination	92
7.4	Institutional contexts	92
11.1	Difficult and interconnected decisions in educational research	131
13.1	Methodology	164
13.2	Focus diagram	167
16.1	Chapters in Ecclestone (2002)	203
16.2	Chapters in Colley (2003)	206
18.1	Teacher vacancies in maintained secondary schools, England, 1985–2002	227
20.1	A call to conscience: problematising educational inclusion	252

List of tables

2.1	One corner of a matrix of sociological enquiry	33
2.2	Sub-matrix for sociology of education	34
2.3	Categories of research subjects and data sources for Writing for Social	
	Scientists	39
4.1	Relationships between disciplines	58
4.2	Some forms of disciplinarity and interdisciplinarity	62
11.1	Key aspects of methodology	130
11.2	A questions-methods matrix (horses for courses)	130
11.3	Criteria for reflecting on research plans	133
11.4	The traditional structure for a dissertation	135
13.1	Focusing questions	166
13.2	Example of expansion and contraction of research questions	169
18.1	Percentage of all HE students by occupational class, UK, 2002-5	225
18.2	Achievement gap in favour of girls at each grade, A level mathematics,	
	Wales, 1992–7	225
18.3	Mean capped points scores (all subjects and sciences) and percentage	
	attaining grade C or above (maths and English), all students, KS4, England,	
	2005–6	226
18.4	Percentage of pupils in school eligible for FSM, 2002 cohort of academies,	
	1997–2007	228
18.5	Level 2 percentages for 2002 cohort of academies 1997–2007	228

Dadd

Introduction

Why The Doctoral Companions?

P. Thomson and M. Walker

The Doctoral Companions are designed for doctoral researchers and their supervisors/advisers to read separately and together. The two volumes are neither advice books nor commentaries on the experiences of doctoral research and supervision. Their purpose is to provide complementary and situating commentary about doctoral research and to map key debates that work in and around the burgeoning research methods and doctoral literatures.

Indeed, there are an ever-expanding number of books available to support doctoral research - doing it-guides, toolkits and advice books, methods books, research and evidence-informed policy and practice and how-to-get published. There are countless methodology and methods texts. There is a growing literature on the changing nature of the doctorate, on the doctorate in different parts of the world, on the doctorate and the knowledge economy, on supervision, student experiences and the viva. However, this extensive literature is difficult for doctoral researchers and their supervisors to navigate and will thus not necessarily take students forward in their own doctoral projects. Supervisors are often unaware that their students are consulting advice books and, due to the existence of postgraduate methods training courses, may assume that students understand the nature of the enterprise in which they are involved. Their own intensifying work load also militates against supervisors taking time away from the details of specific supervision projects to engage in more general conversations about the doctorate and the processes of doctoral researchers becoming scholars. Students therefore may well end up confused, with the result that they may follow unproductive methodological and philosophical explorations. Alternatively, they may simply feel inadequate when apparently straightforward advice fails to do the trick. Holbrook and Johnston (1999) explain that such books are unhelpfully decontextualised and fail to acknowledge the messiness of real lives, not amenable to easy control or resolution. They write that, 'Tears and tantrums, frustrations, phobias and personal agendas are missing, so are the supervisors who do have the correct answer or students with unmanageable problems' (1999: 7). Our goal is to support doctoral researchers and their supervisors to interrogate the many catalogues of texts now available for doctoral purchase.

The widely read and highly successful books (Cham 2008a; 2008b; 2008c) and the comic strip titled 'Piled Higher and Deeper' (PhD), developed by graduate student Jorge