Cambridge University Press 978-1-107-60817-7 - Health and Physical Education: Preparing Educators for the Future Deborah Callcott, Judith Miller and Susan Wilson-Gahan Frontmatter More information

Health and Physical Education

Preparing Educators for the Future

Health and Physical Education empowers the health and physical education teachers of tomorrow to engage students across a wide range of learning ages. It highlights the importance of physical skills development within the broader structure of child and adolescent health and wellbeing.

This well-structured and engaging text considers the role of health and physical education within the wider educational experience, and provides a comprehensive overview of the skills and theory required to teach health and physical education in Australian schools.

Health and Physical Education is based on current research literature and recommended pedagogy and is enhanced by a range of valuable teaching resources – including further reading, end-of-chapter questions and case studies – intended to extend and develop students' learning. It is accompanied by an extensive companion website, at www.cambridge.edu.au/academic/hpe.

Deborah Callcott is Lecturer in the School of Education at Edith Cowan University, Western Australia.

Judith Miller is Senior Lecturer in the School of Education at the University of New England, New South Wales.

Susan Wilson-Gahan is Program Coordinator Sport, Health and Physical Education and Lecturer in the Faculty of Education at the University of Southern Queensland.

Cambridge University Press 978-1-107-60817-7 - Health and Physical Education: Preparing Educators for the Future Deborah Callcott, Judith Miller and Susan Wilson-Gahan Frontmatter <u>More information</u> Cambridge University Press 978-1-107-60817-7 - Health and Physical Education: Preparing Educators for the Future Deborah Callcott, Judith Miller and Susan Wilson-Gahan Frontmatter <u>More information</u>

Health and Physical Education

Preparing Educators for the Future

Deborah Callcott, Judith Miller and Susan Wilson-Gahan



© in this web service Cambridge University Press

CAMBRIDGE UNIVERSITY PRESS Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi, Mexico City

Cambridge University Press 477 Williamstown Road, Port Melbourne, VIC 3207, Australia

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org Information on this title: www.cambridge.org/9781107608177

© Cambridge University Press 2012

This publication is copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2012

Cover design by Marianna Berek-Lewis Text design by Tanya De Silva-McKay Typeset by Newgen Publishing and Data Printed in Singapore by C.O.S. Printers Pte Ltd

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

National Library of Australia Cataloguing in Publication data

Callcott, Debra. Health and physical education / Dr Debra Callcott, Dr Judith Miller, Ms Susan Wilson-Gahan. 9781107608177 (pbk.) Includes index. Physical education and training. Miller, Judith. Wilson-Gahan, Susan. 613.71

ISBN 978-1-107-60817-7 Paperback

Additional resources for this publication at www.cambridge.edu.au/academic/hpe

Reproduction and communication for educational purposes

The Australian *Copyright Act 1968* (the Act) allows a maximum of one chapter or 10% of the pages of this work, whichever is the greater, to be reproduced and/or communicated by any educational institution for its educational purposes provided that the educational institution (or the body that administers it) has given a remuneration notice to Copyright Agency Limited (CAL) under the Act.

For details of the CAL licence for educational institutions contact:

Copyright Agency Limited Level 15, 233 Castlereagh Street Sydney NSW 2000 Telephone: (02) 9394 7600 Facsimile: (02) 9394 7601 E-mail: info@copyright.com.au

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

Foreword

Deborah Callcott, Judith Miller and Susan Wilson-Gahan have written a timely, much needed and ambitious book for students preparing to become teachers of health and physical education. They valuably address the preparation of teachers across the whole age range of compulsory schooling, from early years to secondary school. This is something that is rarely done, perhaps due to the perceived divide between primary generalists and secondary specialists. Or, where the complete age range *is* considered, emphasis is often given to one group over the other. By taking a developmental perspective in this volume, the three authors seek to overcome some of the shortcomings of other teacher education texts. In so doing, they provide a strong sense of alignment of physical education provision across the age range.

They also seek to align the subject matter of health and physical education, and information and communication technology (ICT). This is a challenging task to do well since these bodies of knowledge in themselves are complex, with different histories and pedagogies in the school curriculum. In addition to the developmental perspective just mentioned, Callcott, Miller and Wilson-Gahan use scenarios and tasks skilfully to bring together and integrate this complex content for students. Along with this extensive use of scenarios is a further feature, which is to speak as directly as possible to individual student teachers and to prompt each one to locate the book's concepts within their own experience, both past and present.

While other teacher education texts similarly make extensive use of scenarios and tasks, these three authors do so uniquely within a futures perspective. For students preparing to become teachers in 2012 and who may still reasonably expect to be teaching in 2042, this focus on futures is especially important and appropriate. The book approaches this futures issue by prompting students to consider their past and current experiences, and thus to consider temporality. More specifically, they are encouraged to consider change as a regular and routine feature of everyday life, both for them as teachers and for their pupils.

An enduring theme of the book is a concern for social justice. For Callcott, Miller and Wilson-Gahan this is no mere theoretical position or politically correct posture. It is instead a genuine desire to facilitate the preparation of teachers who can provide for the education of all children, not merely the motorically competent, surely one of physical education's perennial shortcomings. In publically funded systems of education, all children have a right to become the best they can be in a given curriculum topic. This book takes a strongly principled – though practical – approach to this issue.

v

Cambridge University Press 978-1-107-60817-7 - Health and Physical Education: Preparing Educators for the Future Deborah Callcott, Judith Miller and Susan Wilson-Gahan Frontmatter More information

Foreword

Finally this ambitious text is grounded in the most recent and relevant scholarly research in this field, exemplified by the focus on a models-based approach to physical education and frequent reference to the Sport Education model in particular as a means of achieving many of the authors' goals. The research complements the authors' long experience in preparing pre-service teachers to work in health and physical education. The result is a textbook written both for the practical immediacies of the present and for the uncertainties of the future.

David Kirk

April 2012

Contents

Foreword by P	rofessor David Kirk	v
About the authors		xi
Acknowledgm	ents	xii
CHAPTER 1:	INTRODUCTION	1
	Introduction	2
	Context of the state to Australian Curriculum transition	3
	Definition of terms	4
	Pre-service teacher education (PSTE) student	6
	Teacher biography	6
	Learning entitlement for early childhood, primary and secondary students	9
	Outline of the text	10
	Conclusion	13
	Review questions	13
	Useful websites	14
CHAPTER 2:	THE FOUNDATION OF MOVEMENT SKILLS	15
	Introduction	16
	The primitive, postural and locomotive reflexive phases	19
	The reflexive phase and later learning	23
	The rudimentary phase of development	24
	The fundamental movement phase	28
	Later childhood (ages 7–12) sports skill phase	33
	Further considerations in teaching physical education in a developmental curriculum	37
	Conclusion	38
	Review activities and questions	38
	Useful websites	39
CHAPTER 3:	TEACHING INCLUSIVELY: EQUITY AND DIVERSITY IN EDUCATION	41
	Introduction	42
	Language of inclusion	43
	Current educational diversity practice in Australia	45
	Gender differences	45
	Students with a disability	47
	Indigenous students	51

Contents

Cambridge University Press 978-1-107-60817-7 - Health and Physical Education: Preparing Educators for the Future Deborah Callcott, Judith Miller and Susan Wilson-Gahan Frontmatter <u>More information</u>

National origin and religion - promoting cultural equity 53 Overweight and obese children 55 Conclusion 55 Review activities and questions 56 Useful websites 57 **CHAPTER 4:** WHAT ALL TEACHERS NEED TO KNOW ABOUT MOVEMENT 59 Introduction 60 Developmental Coordination Disorder (DCD) defined 62 What causes DCD? 62 Interventions 63 Identifying children with DCD 65 Effects of DCD on development 67 DCD in the playground and during physical education 73 Conclusion 75 Review activities and questions 76 Useful websites 76 **CHAPTER 5:** PEDAGOGY 77 Introduction 78 Performance pedagogy 79 Decision making at the centre of pedagogy 80 Students learn 'other things' in health and physical education 86 Curriculum and pedagogical practices 88 Conclusion 96 Review activities and questions 96 Useful websites 97 **CHAPTER 6:** PLANNING FOR TEACHING AND LEARNING 98 Introduction 99 The curriculum 99 Interpreting and planning curricula 101 Dimensions of planning for teaching and learning 102 Collaboration in planning 103 Integration with other learning areas 104 Planning in a nutshell 104 Lesson plans 114 117 Learning experiences

Contents

	Conclusion	118
	Review activities and questions	119
	Useful websites	120
CHAPTER 7:	ICT AND GENERAL CAPABILITIES IN THE AUSTRALIAN	
	CURRICULUM	121
	Introduction	122
	General capabilities in the Australian Curriculum	123
	Information and communication technology (ICT)	125
	School-based ICT	128
	ICT, early childhood, and health and physical education	130
	What can we learn from the research to guide the increased use of ICT in health and physical education?	133
	ICT and students with disabilities	134
	Conclusion	134
	Review activities and questions	135
	Useful websites	136
CHAPTER 8:	ASSESSMENT IN HEALTH AND PHYSICAL EDUCATION	137
	Introduction	138
	Assessment purpose defined	138
	Forms of assessment	141
	Designing assessment	143
	What to assess in health and physical education	144
	How to assess in health and physical education	145
	Performance product versus process	148
	Criteria for assessment	149
	Principles of assessment	149
	Alignment of teaching, learning, assessing and reporting	151
	High-stakes testing and multiple measures of assessment	151
	Assessment of movement and physical performance	152
	Issues in assessment	153
	Conclusion	155
	Review activities and questions	155
	Useful websites	156
CHAPTER 9:	HEALTH EDUCATION	158
	Introduction	159
	The purpose and importance of health education	159

ix

Cambridge University Press 978-1-107-60817-7 - Health and Physical Education: Preparing Educators for the Future Deborah Callcott, Judith Miller and Susan Wilson-Gahan Frontmatter More information

Contents

	Making education for health and wellbeing work in your school	163
	Health promotion in school settings	164
	Developmental needs of students	166
	General capabilities addressed in health education	168
	Addressing diverse needs in health education	168
	Research – the backbone of credible program development	169
	Integrating health education with other learning areas	174
	The social determinants of health and wellbeing	174
	Conclusion	175
	Review activities and questions	176
	Useful websites	177
Glossary		178
Bibliography		183
Index		200

About the authors

Deborah Callcott is Lecturer in Health and Physical Education at Edith Cowan University in Western Australia, and has a focus on early childhood and primary pre-service teacher education. She has taught health and physical education in a variety of settings, including secondary, primary, early childhood and children with special needs. In 1996 Deborah established Lifeplan Recreation and Leisure Inc, an agency endorsed by the Disability Services Commission in Western Australia to provide recreation and life skills for school leavers with a disability in Perth. Deborah was the CEO of Lifeplan Recreation and Leisure Inc from 1997 to 2002. Deborah also played women's cricket for New South Wales, Western Australia and Australia between 1977 and 1991.

Judith Miller is Senior Lecturer in the School of Education at the University of New England, New South Wales. After gaining her undergraduate teaching degrees from Portland State University, Oregon, where Dr Don Hellison was formulating his Teaching Personal and Social Responsibility (TPSR) model, Judith taught physical education in a K–7 school in Oregon. These learning and teaching experiences were augmented by nine years of secondary school teaching in rural Australia. Judith then pursued higher degrees in research, with a focus on coordination and skill levels of primary school–aged children. She is an active contributor to the Australian Council for Health, Physical Education and Recreation (ACHPER), as well as to the Australian Association for Research in Education (AARE), the British Association of Research in Education (BERA) and the American Educational Research Association (AERA).

Susan Wilson-Gahan is Program Coordinator Sport, Health and Physical Education and Lecturer in the Faculty of Education at the University of Southern Queensland (USQ). She is currently completing her PhD, examining sociocultural influences on talent development in sport. She was a member of the Sport, Health and Physical Education specialisation program development team and the Queensland College of Teachers' Accreditation Committee at USQ. Prior to entering academia, Susan was a curriculum leader and secondary school teacher of health education and physical education for 33 years, with additional experience in primary school teaching and special education. She has worked at the Queensland Studies Authority on projects related to the Queensland Curriculum, Assessment and Reporting (QCAR) Framework, including as a member of the Years 1–9 Essential Learnings and Standards curriculum development team and as a writer for the QCAR Assessment Bank. Susan is passionate about the holistic nature of health and wellbeing and the part health plays in academic engagement. She has a continuing involvement in sports organisation at all levels and still participates socially in a number of sports, after a successful competitive career.

Acknowledgments

Deborah Lea Callcott

Acknowledging family and friends who supported me on this writing journey and my precious Mum who didn't quite get to see the ending.

Judith Miller

Judy acknowledges the extensive contribution of Professor David Kirk in supporting researchers across their careers and his generous assistance in the formulation of contemporary ideas presented in this book.

Susan Wilson-Gahan

I would like to acknowledge the ongoing influence of my parents, Ross and Patricia Wilson, both career educators; the patience and invaluable support of my family, Peter, Courtney and Caleb Gahan; the support of my colleagues at USQ; and the many people who I have taught with and learnt from over the years of my teaching career.