Contents

Digital Games and Learning: What’s New Is Already Old? ......................... 1
Tom Lowrie and Robyn Jorgensen (Zevenbergen)

Mathematics and Non-School Gameplay .................................................... 11
Antri Avraamidou, John Monaghan and Aisha Walker

Integration of Digital Games in Learning and E-Learning Environments: Connecting Experiences and Context ................................. 35
Begoña Gros

The Construction of Electronic Games as an Environment for Mathematics Education ................................................................. 55
Rodrigo Dalla Vecchia, Marcus V. Maltempi and Marcelo C. Borba

Digital Games, Mathematics and Visuospatial Reasoning ......................... 71
Tom Lowrie

Digital Games and Equity: Implications for Issues of Social Class and Rurality ................................................................. 93
Robyn Jorgensen (Zevenbergen)

Multimodal Literacy, Digital Games and Curriculum ............................... 109
Catherine Beavis

Apples and Coconuts: Young Children ‘Kinect-ing’ with Mathematics and Sesame Street ............................................................. 123
Meagan Rothschild and Caroline C. Williams

SAPS and Digital Games: Improving Mathematics Transfer and Attitudes in Schools ................................................................. 141
Richard N. Van Eck
Contents

Mathematics and Educational Psychology: Construction of Learning Environments ................................................................. 175
Cesare Fregola

Serious Games and Gaming ........................................................................ 201
Terry Bossomaier

Apps: Appropriate, Applicable, and Appealing? ........................................ 233
Nigel Calder

Kevin Larkin

Digital Games and Mathematics Learning: The State of Play ................... 277
Tracy Logan and Kim Woodland

Index ................................................................................................................ 305
Digital Games and Mathematics Learning
Potential, Promises and Pitfalls
Lowrie, T.; Jorgensen (Zevenbergen), R. (Eds.)
2015, XIII, 309 p., Hardcover
ISBN: 978-94-017-9516-6