

Contents

Foreword	v
Preface	vii
From the Editors	ix
About the Contributors	xiii
Chapter 1 The validation and application of a new learning environment instrument for online learning in higher education <i>Vanessa Chang and Darrell Fisher</i>	1
Chapter 2 Creating a technology-rich constructivist learning environment in a classroom management module <i>Myint Swe Khine</i>	21
Chapter 3 Effectiveness of a technology-rich and outcomes-focused learning environment <i>Jill Aldridge and Barry Fraser</i>	41
Chapter 4 The relationship between attitudes and achievement of university students in computer classrooms in Indonesia <i>Eko Sri Margianti</i>	71
Chapter 5 Working with technology-rich learning environments: Strategies for success <i>Sue Trinidad</i>	97

Chapter 6 Technology-rich learning environments and the role of effective teaching <i>Tony Rickards</i>	115
Chapter 7 Learning environments in new contexts: Web-capable classrooms in Canada <i>David Zandvliet</i>	133
Chapter 8 Assessing and researching the online learning environment <i>John Clayton</i>	157
Chapter 9 Computer laboratory environments: Providing a sustainable practical learning experience <i>Michael Newby</i>	187
Chapter 10 Implementing the Internet learning environment into the chemistry curriculum in high schools in Israel <i>Miri Kesner, Marcel Frailich and Avi Hofstein</i>	209
Chapter 11 Technology and maritime education and training: A future perspective <i>Peter Muirhead</i>	235
Chapter 12 Designing a web-supported learning environment on communication in multicultural classrooms <i>Jan van Tartwijk, Theo Wubbels, Perry den Brok, Yvonne de Jong and Ietje Veldman</i>	255

Chapter 13

- Evaluating e-learning environments in Singapore
lower secondary science classrooms 285
Quek Choon Lang and Angela F.L. Wong

Chapter 14

- Students as change agents: The generation Y model 307
Dennis Harper

Chapter 15

- A system of reciprocity: Empowering stakeholders
to do more with less in educational technology 331
Catherine P. Fulford and Ariana Eichelberger

Chapter 16

- Web-based e-learning environments in Taiwan:
The impact of the online science flash program
on students' learning 343
Hsiao-Ching She and Darrell Fisher

Chapter 17

- Students' and teachers' perceptions of actual and
preferred classroom environments in Japanese
junior high school: The potential of psychological
measures in the classroom 369
Sonomi Hirata and Darrell Fisher

Chapter 18

- Design principles for web-based learning:
Balancing individual and social perspectives
in technology-rich learning environments 385
David Hung and Tan Seng Chee

- Selected Bibliography** 407

- Index** 419