

An Excellent Addition to Your Library!

Released: January 2012

Developing Technology-Rich Teacher Education Programs: Key Issues



Drew Polly (University of North Carolina at Charlotte, USA),
Clif Mims (University of Memphis, USA) and
Kay A. Persichitte (University of Wyoming, USA)

Though technology is expanding at a rate that is alarming to many skilled laborers concerned about the welfare of their industry and jobs, teachers should feel safe in their position. However, teachers who refuse to adapt to technology will be left behind.

Developing Technology-Rich Teacher Education Programs: Key Issues offers professional teacher educators a rare opportunity to harvest the thinking of pioneering colleagues spanning across dozens of universities, and to benefit from the creativity, scholarship, hard work, and reflection that led them to the models they describe. Contributors from 32 universities from around the world came together as authors of case studies, methodologies, research, and modeling to produce the work that went into this reference work. The target audience for this book includes faculty, leaders, teacher educators, and administrators within higher institution of every level of education.

Topics Covered:

- Blackboard
- Content Area and Methods Knowledge and Technology
- Content Specific Experiences
- E-Learning
- Foundational Knowledge and Technology
- Higher Order Thinking Skills
- Moodle
- Social Networking
- Technology Acceptance Model
- Web 2.0 for Collaboration

ISBN: 9781466600140; © 2012; 655 pp.

Print: US \$175.00 | Perpetual: US \$265.00 | Print + Perpetual: US \$350.00

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Drew Polly is an Assistant Professor in the Department of Reading and Elementary Education at the University of North Carolina at Charlotte. His research agenda focuses on examining how to support the implementation of technology and standards-based pedagogies. More information can be found at: .

Section 1: Frameworks for Technology Integration

Chapter 1

Thematic Considerations in Integrating TPACK in a Graduate Program

Mishra1 Punya (Michigan State University, USA)
Koehler Matthew J. (Michigan State University, USA)
Zellner Andrea (Michigan State University, USA)
Kereluik Kristen (Michigan State University, USA)

Chapter 2

Lessons from the ITS Program:

Norton Priscilla (George Mason University, USA)
Hathaway Dawn (George Mason University, USA)

Chapter 3

Meeting the Needs of Exceptional Students:

Frey Timothy J. (Kansas State University, USA)
Knackendoffel E. Ann (Kansas State University, USA)

Chapter 4

Guiding Framework and Principles for Technology Integration:

Kim Minchi C. (Purdue University, USA)

Section 2: Integration of Web 2.0 Tools into Teacher Education Programs

Chapter 5

A Framework for Developing Pre-Service Teachers' Web 2.0 Learning Design Capabilities

Bower Matt (Macquarie University, Australia)

Chapter 6

Web 2.0 Visualization Tools to Stimulate Generative Learning

Banas Jennifer (Northeastern Illinois University, USA)
Brown Carol A. (East Carolina University, USA)

Chapter 7

Supporting Teacher Development through Social Networking

Dreon Oliver (Millersville University, USA)
Marcum-Dietrich Nanette (Millersville University, USA)

Chapter 8

Learning to Teach in Web 2.0

Gura Mark (Fordham University, USA)

Chapter 9

Supplementing the Learning Management System:

Jones Stephanie A. (Georgia Southern University, USA)
Green Lucilia (Georgia Southern University, USA)
Hodges Charles B. (Georgia Southern University, USA)
Kennedy Kathryn (Georgia Southern University, USA)
Downs Elizabeth (Georgia Southern University, USA)
Repman Judi (Georgia Southern University, USA)
Clark Kenneth F. (Georgia Southern University, USA)

Chapter 10

Grappling with Change:

Butler Janice W. (University of Texas at Brownsville, USA)

Section 3: Integration of Technology into Teacher Education Courses

Chapter 11

The Importance of Using Subject-Specific Technology Uses to Teach TPACK:

Ottenbreit-Leftwich Anne T. (Indiana University, USA)

Chapter 12

The Iron Grip of Productivity Software within Teacher Education

Hughes Joan E. (The University of Texas at Austin, USA)
Gonzales-Dholakia Gloria (The University of Texas at Austin, USA)
Wen Yu-Chi (The University of Texas at Austin, USA)
Yoon Hyo-Jin (The University of Texas at Austin, USA)

Chapter 13

Using Student Choice to Promote Technology Integration:

Jones Marshall G. (Winthrop University, USA)
Harris Lisa (Winthrop University, USA)

Chapter 14

Rethinking Technology in Teacher Education Programs:

Samuel Jeanne (Louisiana State University, USA)
Hinson Janice (University of North Carolina at Charlotte, USA)

Chapter 15

EDM310:

Strange John Hadley (University of South Alabama, USA)

Chapter 16

Modeling Online Teaching and Learning to Pre- and In-Service Teachers through the use of the Web 2.0 Social Networking Tool NING

Unger Kelly L. (Wayne State University, USA)
Tracey Monica W. (Wayne State University, USA)

Chapter 17

ePortfolio Integration in Teacher Education Programs:

Ritzhaupt Albert D. (University of Florida, USA)
Parker Michele (University of North Carolina Wilmington, USA)
Ndoye Abdou (Qatar University, Qatar)

Section 4: Technology Integration across the Content Areas

Chapter 18

Multiliteracies:

Taylor D. Bruce (University of North Carolina at Charlotte)

Chapter 19

Webby, Wikis, and Digital Storytelling:

Kissel Brian (University of North Carolina at Charlotte, USA)

Chapter 20

Educational Technology in Early Childhood Teacher Education:

Swaminathan Sudha (Eastern Connecticut State University, USA)

Chapter 21

Re-Thinking Pre-Service Mathematics Teachers Preparation:

Niess Margaret L. (Oregon State University, USA)

Chapter 22

Technology Integration in Mathematics:

Orrill Chandra Hawley (University of Massachusetts Dartmouth, USA)
Polly Drew (University of North Carolina at Charlotte, USA)

Chapter 23

A Call for the use of Technology within Mathematics and Science Preservice Teacher Methods Courses

Harland Darci J. (Illinois State University, USA)
Pérez Ydalis (Illinois State University, USA)
Toledo Cheri (Illinois State University, USA)

Chapter 24

A Practical Guide for Integrating Technology into Social Studies Instruction

Curry John H. (Morehead State University, USA)
Buckner David L. (Brigham Young University - Hawaii, USA)

Chapter 25

Pre-Service Teachers' Perspectives on Learning to Teach Social Studies in a Technology-Rich Pedagogy Course

Gibson Susan (University of Alberta, Canada)

Chapter 26

Knock Down the Walls, Open the Doors:

Taggart Kristen G. (University of Delaware)

Chapter 27

Infusing Technology into a Physical Education Teacher Education Program

Leight Joanne (Slippery Rock University, USA)
Nichols Randall (Slippery Rock University, USA)

Section 5: Technology-Rich Clinical and Student Teaching Experiences

Chapter 28

Attempting to Bridge Theory to Practice:

Good Amy J. (University of North Carolina at Charlotte, USA)

Polly Drew (University of North Carolina at Charlotte, USA)

Chapter 29

Implementing the Remote Observation of Graduate Interns:

Petty Teresa M. (University of North Carolina at Charlotte, USA)

Hartshorne Richard (University of North Carolina at Charlotte, USA)

Heafner Tina L. (University of North Carolina at Charlotte, USA)

Chapter 30

Anchoring a Social Studies Teaching and Learning Experience with Digital Video:

Cunningham Ann C. (Wake Forest University, USA)

Friedman Adam M. (Wake Forest University, USA)

Chapter 31

Application of Computer, Digital, and Telecommunications Technologies to the Clinical Preparation of Teachers

Medina Adriana L. (University of North Carolina at Charlotte, USA)

Tobin Maryann Tatum (Nova Southeastern University, USA)

Pilonieta Paola (University of North Carolina at Charlotte, USA)

Chiappone Lina Lopez (Nova Southeastern University, USA)

Blanton William E. (University of Miami, USA)

Chapter 32

Training Teachers for a Virtual School System:

Barbour Michael K. (Wayne State University, USA)

Section 6: Supporting Faculty in Technology-Rich Teacher Education Programs

Chapter 33

Ways to Mentor Methods' Faculty Integration of Technologies in their Courses

Jackson Thomas (George Williams College of Aurora University, USA)

Chapter 34

Lessons Learned From the Implementation of a Technology-Focused Professional Learning Community

Taylor D. Bruce (University of North Carolina at Charlotte, USA)

Hartshorne Richard (University of North Carolina at Charlotte, USA)

Eneman Sam (University of North Carolina at Charlotte, USA)

Wilkins Patti (University of North Carolina at Charlotte, USA)

Polly Drew (University of North Carolina at Charlotte, USA)

Order Your Copy Today!

Name: _____

Organization: _____

Address: _____

City, State, Zip: _____

Country: _____

Tel: _____

Fax: _____

E-mail: _____

Enclosed is check payable to IGI Global in
US Dollars, drawn on a US-based bank

Credit Card Mastercard Visa Am. Express

3 or 4 Digit Security Code: _____

Name on Card: _____

Account #: _____

Expiration Date: _____