News 10/2011

**Problem-Based Learning in Clinical Education**

**Contents**


**Fields of interest**

Professional and Vocational Education; Medical Education; Learning and Instruction

**Target groups**

Research

**Product category**

Contributed volume

---

**Teaching Fractions through Situations: a Fundamental Experiment**

This work presents one of the original and fundamental experiments of Didactique, a research program whose underlying tenet is that Mathematics Education research should be solidly based on scientific observation. Here the observations are of a series of adventures that were astonishing for both the students and the teachers: the reinvention of fractions and of decimal numbers in a sequence of lessons and situations that permitted the students to construct the concepts for themselves. The book leads the reader through the highlights of the sequence’s structure and some of the reasoning behind the lesson choices.

**Features**

- Scientific observation serves as a basis for teaching and learning about fractions
- Utilizes a constructivist methodology to teach about fractions—students are taught to construct their own knowledge
- Introduces the Didactique model for Mathematics Education
- Evidence-based examples and templates of the Didactique method are provided

**Contents**


**Fields of interest**

Mathematics Education; Applications of Mathematics; Mathematics, general

**Target groups**

Research

**Product category**

Monograph

---

**Rewriting the History of School Mathematics in North America 1607-1861**

The focus of this book is the fundamental influence of the cyphering tradition on mathematics education in North American colleges, schools, and apprenticeship training classes between 1607 and 1861. It is the first book on the history of North American mathematics education to be written from that perspective. The principal data source is a set of 207 handwritten cyphering books that have never previously been subjected to careful historical analysis.

**Features**

- The largest set of original cyphering books ever assembled provides source material
- Essentially rewrites the history of Mathematics Education in America as we know it
- Rare photos of the original cyphering books included

**Contents**


**Fields of interest**

Mathematics Education; History of Mathematical Sciences; Curriculum Studies

**Target groups**

Research

**Product category**

Monograph

---

**Due January 2012**

2012. XXIV, 248 p. 3 illus. (Innovation and Change in Professional Education, Volume 8) Hardcover

- € 99,95 | £90.00
- * (D) 106,95 | (A) 109,95 | sFr 133,50

ISBN 978-94-007-2514-0

---

**Due November 2011**

2012. Approx. 150 p. 15 illus. (Mathematics Education Library, Volume 60) Hardcover

- € 99,95 | £90.00
- * (D) 106,95 | (A) 109,95 | sFr 143,50

ISBN 978-94-007-2714-4

---

**Due January 2012**

2012. 290 p. 19 illus. in color. Hardcover

- € 99,95 | £90.00
- * (D) 106,95 | (A) 109,95 | sFr 133,50

ISBN 978-94-007-2638-3
Perspectives on Males and Singing

“Since singing is so good a thing, I wish all men would learn to sing.” (William Byrd, 1588) Over the centuries, there has been reluctance among boys and men to become involved in some forms of singing. Perspectives on Males and Singing tackles this conundrum head-on as the first academic volume to bring together leading thinkers and practitioners who share their insights on the involvement of males in singing. The authors share research that analyzes the axiomatic male disinclination to sing, and give strategies designed to engage males more successfully in performing vocal music emphasizing the many positive effects it can have on their lives. Inspired by a meeting at the Australian symposium 'Boys and Voices,' which focused on the engagement of boys in singing, the volume includes contributions from leading authorities in Australia, New Zealand, Canada, the United States and Europe.

Features
- Each chapter presents a case study for some element of CSCL at work
- Research questions clearly delineated and answered within the case studies
- Bridges the gap between CSCL and CSCW
- Chapters represent presentations at the CSCW conference, after undergoing substantial revision and reworking

Contents
- Introduction to discourse on transforming K-12 learning by feeding ideas from CSCL at work
- Conceptual Framework for CSCL at work
- How to apply these case studies for radical workplace learning
- Case Study: Petex - Case Study: Facebook Corporate Policy
- Case Study: Pivotal Decisions
- Case Study: Mammography
- Case Study: WoW and Informal Learning
- Case Study: Rural Technology Workers
- Case Study: Nurturing Learning Communities
- Case Study: ePortfolio System Administrator
- New Challenges for Researchers

Fields of Interest
- Educational Technology
- Computers and Education
- Learning and Instruction

Target groups
- Research

Product category
- Monograph

Due December 2011
2012. XVI, 364 p. 48 illus. Hardcover
- £ 119,95 | € 128,35 | $Fr 160,00
- * £ (D) 128,35 | € (A) 131,95 | sFr 160,00
Future Proofing Education

Contents

Fields of interest
Educational Technology; Sociology of Education; Literacy

Target groups
Research

Product category
Contributed volume
A. Sriprakash, University of Western Australia, Sydney, NSW, Australia

Pedagogies for Development
The Politics and Practice of Child-Centred Education in India

Pedagogies for Development takes a sociological approach to examine the introduction of child-centred education in contemporary Indian policy and school contexts.

Features
- Opens out the much needed critical discussion about the politicisation of pedagogy in international and national education policies and programs
- Makes an important contribution to the emerging body of qualitative sociological research in education development
- Analyses the ways in which rapid and uneven economic expansion in India shapes discourses of education, development and poverty reduction

Contents

Fields of interest
International and Comparative Education; Pedagogic Psychology; Educational Policy and Politics

Target groups
Research

Product category
Monograph

Due January 2012

2012. X, 155 p. 3 illus. (Education in the Asia-Pacific Region: Issues, Concerns and Prospects, Volume 16)
Hardcover
- approx. € 99,95 | £90.00
- approx. * € (D) 106,95 | € (A) 109,95 | sFr 133,50
ISBN 978-94-007-2668-0