LEARNING AND INSTRUCTION

An Official Journal of the European Association for Research on Learning and Instruction

Website http://elsevier.com/locate/learninstruc/ Association Website http://www.earli.org

Volume 35 2015

Contents

FACILITATE COGNITIVE PROCESSING K. Stalbovs, K. Scheiter and P. Gerjets	1
DIMENSIONAL COMPARISON THEORY: PARADOXICAL RELATIONS BETWEEN SELF-BELIEFS AND ACHIEVEMENTS IN MULTIPLE DOMAINS H.W. Marsh, O. Lüdtke, B. Nagengast, U. Trautwein, A.S. Abduljabbar, F. Abdelfattah and M. Jansen	16
THE DIMENSIONS OF WRITTEN EXPRESSION: LANGUAGE GROUP AND GENDER DIFFERENCES S. Babayiğit	33
THE ASSOCIATION BETWEEN NUMERICAL MAGNITUDE PROCESSING AND MENTAL VERSUS ALGORITHMIC MULTI-DIGIT SUBTRACTION IN CHILDREN S. Linsen, L. Verschaffel, B. Reynvoet and B. De Smedt	42
COGNITIVE LOAD OF CRITICAL THINKING STRATEGIES H.M. Shehab and E.M. Nussbaum	51
PROCESSING MULTIMEDIA MATERIAL: DOES INTEGRATION OF TEXT AND PICTURES RESULT IN A SINGLE OR TWO INTERCONNECTED MENTAL REPRESENTATIONS? A. Schüler, J. Arndt and K. Scheiter	62
EFFECTS OF IMMIGRANT BACKGROUND ON TEXT COMPREHENSION, VOCABULARY, AND READING MOTIVATION: A LONGITUDINAL STUDY R.M. Kigel, N. McElvany and M. Becker	73
GETTING THE POINT: TRACING WORKED EXAMPLES ENHANCES LEARNING FT. Hu, P. Ginns and J. Bobis	85
EFFECTS OF A CLASSROOM DISCOURSE INTERVENTION ON TEACHERS' PRACTICE AND STUDENTS' MOTIVATION TO LEARN MATHEMATICS AND SCIENCE K. Kiemer, A. Gröschner, AK. Pehmer and T. Seidel	94
BENEFITS OF "CONCRETENESS FADING" FOR CHILDREN'S MATHEMATICS UNDERSTANDING E.R. Fyfe, N.M. McNeil and S. Borjas	104

Available online at www.sciencedirect.com

ScienceDirect

Indexed/Abstracted in: Arts & Humanities Search; Australian Current Contents; British Education Index; Contents Pages in Education; Educational Index; Education Research Index; Educational Management Abstracts; Educational Research Abstracts Online; Educational Technology Abstracts; ERIC; Multicultural Education Abstracts; Periodicals Index Online; PsycINFO; Research into Higher Education Abstracts; Sociology of Education Abstracts; Social SciSearch; SSCI; Technical Education & Training Abstracts; Uncover. Also covered in the abstract and citation database Scopus[®]. Full text available on ScienceDirect[®].