## 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 47 2017

## **Contents**

INCOME DIFFERENCES AMONG GRADE SKIPPERS AND NON-GRADE SKIPPERS ACROSS GENDERS IN THE TERMAN SAMPLE, 1936–1976 R.T. Warne and J.K. Liu	1
NOT THE SILVER BULLET: LEARNER-GENERATED DRAWINGS MAKE IT DIFFICULT TO UNDERSTAND BROADER SPATIOTEMPORAL STRUCTURES IN COMPLEX ANIMATIONS R. Ploetzner and B. Fillisch	13
HOW WELL DO PARENTS KNOW THEIR ADOLESCENT CHILDREN? PARENT INFERENCES OF STUDENT SELF-CONCEPTS REFLECT DIMENSIONAL COMPARISON PROCESSES  B. Van Zanden, H.W. Marsh, M. Seaton, P.D. Parker, J. Guo and J.J. Duineveld	25
THE MEASUREMENT OF CALIBRATION IN REAL CONTEXTS T. Rutherford	33
ACADEMIC TRACKING IS RELATED TO GAINS IN STUDENTS' INTELLIGENCE OVER FOUR YEARS: EVIDENCE FROM A PROPENSITY SCORE MATCHING STUDY K. Guill, O. Lüdtke and O. Köller	43
SITUATIONAL EXPECTANCIES AND TASK VALUES: ASSOCIATIONS WITH STUDENTS' EFFORT J. Dietrich, J. Viljaranta, J. Moeller and B. Kracke	53
CHILDREN'S UNDERSTANDING OF THE COMMUTATIVITY AND COMPLEMENT PRINCIPLES: A LATENT PROFILE ANALYSIS B.HH. Ching and T. Nunes	65
THE EFFECT OF ANTICIPATED ACHIEVEMENT FEEDBACK ON STUDENTS' SEMANTIC PROCESSING AS INDICATED BY THE N400 CLOZE EFFECT E.M. Janssen, S.H.G. van der Ven, A.H. van Hoogmoed and P.P.M. Leseman	80
IDENTIFYING PROCESSES UNDERLYING THE MULTIMEDIA EFFECT IN TESTING: AN EYE-MOVEMENT ANALYSIS M.A. Lindner, A. Eitel, B. Strobel and O. Köller	91