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Baker, William

Qualitative and quantitative analysis.

Czarnocha, Bronislaw (ed.) et al., The creative enterprise of mathematics teaching research. Elements of methodology and practice – from teachers to teachers. Rotterdam: Sense Publishers (ISBN 978-94-6300-548-7/hbk; 978-94-6300-547-0/pbk; 978-94-6300-549-4/ebook). 171-178 (2016).

Summary: Typically, for a teaching experiment, the accepted methodology used to assess learning and conceptual development is based on one-on-one interviews with an observer prompting, recording and analysing the vocalizations of a child engaged in a problem solving activity. The teacher-researcher must extend such an assessment to a classroom environment consisting of many students, not necessarily children, engaged in problem solving.

Classification: D20 C70 D50

Keywords: teaching research; teaching experiments; problem solving

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