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Jašková, L'udmila

Blind pupils begin to solve algorithmic problems.

Diethelm, Ira (ed.) et al., Informatics in schools. Sustainable informatics education for pupils of all ages. 6th international conference on informatics in schools: situation, evolution, and perspectives, ISSEP 2013, Oldenburg, Germany, February 26 – March 2, 2013. Proceedings. Berlin: Springer (ISBN 978-3-642-36616-1/pbk). Lecture Notes in Computer Science 7780, 68-79 (2013).

Summary: This paper describes our very first experience with teaching the topic algorithms and problem solving for the unsighted pupils. We introduce our group of children and their informatics skills. Afterwards we present educational activities aimed at development of their algorithmic thinking. We haven't used a programming environment, but we have used a programmable robotic toy Bee-Bot and tactile tables in combination with a simple text editor. Finally we present our observations done during the implementation of activities with children.

Classification: Q70 P50 Q30 Q50

Keywords: blind pupils; informatics as a subject; algorithmic thinking

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