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Does teaching mathematics as a thoughtful subject influence the problem-solving behaviors or urban students?

Pehkonen, Erkki, 21. conference of the International Group for the Psychology of Mathematics Education. ,. 136-143 (1997).

This research was conducted to study the impact on students of a five-year teacher development project in mathematics for elementary teachers in an urban school district. Students taught by project teachers performed better in both classroom problem-solving activities and task-based interviews than students taught by non-project teachers. In addition, there were major differences in the problem-solving behaviors of the two groups. Experimental students displayed greater mathematical confidence, and were more likely to see mathematics as a powerful way of thinking about the real world and approach mathematics as such.

Classification: D53