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Students' strategies for problem solving in upper secondary mathematics classes

This presentation reports the first results of a research project focusing on the development of the students' inquiry, creativity and intellectual independence when working in a problem solving setting in upper secondary mathematics classes. Eight mathematics teachers prepared and conducted teaching experiments for our observation of the new strategies gradually developed by the students. The theoretical basis of the project includes works of Schoenfeld, Polya and Cobb et al. and Johan Lithner.

Keywords: inquiry and creativity, problem solving, students' strategies, upper secondary school