

On the development of creativity in teaching mathematics

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The basic demand of employers (in the broadest sense of the word) towards educators today is undoubtedly the innovation of students, so the educational system is expected to train young people to creatively perform their, usually flexibly defined, professional duties, regardless of whether these are jobs in the fields of economy, finance, administration, education or some other activities. That is why creative abilities, initiative and cooperation are personality traits on which the innovative behavior of each individual in performing their professional tasks significantly depends.

Developing creativity through the teaching process is not impossible, but not an easy task either. At the same time, considerable achievements in this area are rightly expected from mathematics as a teaching subject that has good teaching continuity, but also the possibility of wide application in everyday life. However, fragmentary studies of teaching practice show that in schools, the problem of developing creativity in mathematics teaching (and in general) is not given enough attention.

The aim of this talk is to direct the listeners' attention to this problem, point out the psychological and didactic foundations of creativity, show some problem situations in which students' creative expression is possible, emphasize the role of dialogue, games and research work of students as active teaching methods for encouraging students' creativity and suggests certain principles that should be applied in order to obtain as a result a fruitful, age-appropriate students creation.