

SURVEY OF POSSIBILITIES OF ICT USE FOR TEACHING MATHEMATICS IN PRIMARY SCHOOL

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Starting with the school year of 2009 – 2010, the new General Programmes of Primary Education, that are being implemented presently, provide for the integration of ICT in various fields with the aim of update and development of education process [1]. This provision ensures better opportunities for adaptation of mathematical education content to the individual needs of schoolchildren through the development of their general and specific competencies.

In 2009, a diagnostic study was carried out in 54 Lithuanian schools in order to evaluate the readiness and abilities of primary school teachers to integrate information technologies (IT) into the process of mathematical education. The findings of the study are being presented in this article. While conducting the study, literary analysis approach and Q type data collection approach were employed [2]. The findings were processed with the aide of mathematical statistics methods applying Programme SPSS 17. We have examined the possibilities for primary school teachers to use a computer and the Internet at home as well as in class (N = 141). We have also investigated teachers' computer skills, frequency and objectives of IT use while facilitating teaching of mathematics and education process, as well as advantages and disadvantages of such integration as perceived by teachers. We used the material collected for the national surveys of the achievements of fourth-formers [3, 4] in order to make a brief research of the possibilities of fourth-formers to use a computer and the Internet in the educational environment at home. We also examined the impact of such activity on their mathematical achievements.

Reference Sources

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