

Keywords

1st grade of elementary education (6-12 years old children), didactics of mathematics, history of didactics of mathematics, information technology, inclusive education, mathematics and its applications, mobile apps, framework education programme, teaching, education, primary school

Abstract

The bachelor theses deals with the topic of current usage of information technology in Math classes at elementary schools using the broad theoretical context of historical and contemporary Math education from the view of didactics of mathematics, legislation and practice. In the first half of the text, the theses characterizes historical evolution from the very beginning to the present. In this part it deals with the legislative framework determining the actual practice of Math education at the Czech elementary schools: curricular documents emitted by the Ministry of Education, Youth and Sports of the Czech Republic, preparation, qualification and further education of pedagogical workers – Math teachers; briefly it explains the inclusive education in today Czech Republic. The theses also shortly describes the most common approaches to Math teaching. The second half is the fundamental part of the theses. It outlines convenient information technology for education and especially presents the case study of using tablet computers by integrated pupils in inclusive classrooms.