

Analysis of digital resources for teaching ICT in the City of Zagreb primary schools / Analiza digitalnih resursa za provedbu nastave informatike u osnovnim školama Grada Zagreba



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Education for digital transformation

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Abstract

Following recent reforms, Computer Science education in the elementary school curriculum in the Republic of Croatia has been radically reduced in terms of teaching hours. On the other hand, awareness of the importance of digital technologies today results in significant investments in equipping schools with information and communication technologies (ICT). Digital literacy is becoming imperative in all areas and subjects of elementary school education. In this context, reducing the digital divide is important due to unequal access to digital technologies and knowledge sources. Students who have limited access to resources cannot have the same opportunities in the educational process. The aim of this paper is to investigate the differences in available resources for the implementation of Computer Science courses in primary schools. For the purpose of the research, the attitudes and opinions of primary school teachers in the City of Zagreb were examined using a questionnaire. Attitudes towards digital tools and technologies in relation to available ICT resources and their use in Computer Science courses are examined. The paper presents an analysis of the application of available digital tools, technologies and content, and their impact on the quality of the teaching process.

Key words

computer science teachers, computer science teaching, digital divide, information and communication technology

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Odgoj i obrazovanje za digitalnu transformaciju

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Sažetak

Nastava predmeta Informatika u kurikulumu osnovne škole u Republici Hrvatskoj je po najnovijoj reformi radikalno smanjena po broju sati. S druge strane svijest o važnosti digitalnih tehnologija u današnjem društvu rezultira značajnim ulaganjima u opremljenost škola informacijsko – komunikacijskim tehnologijama (IKT). Digitalna pismenost pritom postaje imperativom u svim područjima i predmetima osnovnoškolskog obrazovanja. U tom svjetlu je važno smanjiti digitalnu podjelu uslijed nejednakog pristupa digitalnim tehnologijama i izvorima znanja. Učenici koji imaju ograničen pristup resursima nemaju iste mogućnosti u obrazovnom procesu.

Cilj ovog rada je istražiti razlike u dostupnim resursima za provedbu nastave informatike u osnovnim školama. U svrhu istraživanja anketnim upitnikom su ispitani stavovi i mišljenja učitelja osnovnih škola na području Grada Zagreba u vezi dostupnih digitalnih alata i tehnologija te njihovoj primjeni u nastavi Informatike s obzirom na dostupne IKT resurse. Rad prikazuje analizu primjene dostupnih digitalnih alata, tehnologija i sadržaja, te njihov utjecaj na kvalitetu nastavnog procesa.

Ključne riječi

digitalna podjela; informacijsko-komunikacijska tehnologija; nastava informatike; učitelji informatike

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