

Digital Cartography in High School Education

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Abstract

High School Ivanec has offered their students the optional subject of Digital Cartography since school year 2016/17. The subject was designed within the project “HEUREKA – From Knowledge to Success”, which was completely financed from the European Social Fund. The main goal of the project was the development of natural science and mathematical literacy among general-program high school students. Four new optional subjects were designed in order to develop student interest in Science, Technology, Engineering and Mathematics – STEM as well as in Information and Communication Technologies – ICT. Curriculum for the subject Digital Cartography was created within the project, and a manual for students was produced in collaboration with experts from the Department of Geography of the Faculty of Science, University of Zagreb. Students taking this subject are going to learn how to use geographical informational systems (GIS) in gathering, visualizing and analyzing spatial data with the aim of providing new insights into space with all the natural and social processes and relationships.

Key words: digital cartography, GIS, education, high school, EU project, HEUREKA