

Educational Web-map for Primary School: Animated and Interactive Approach to the Basic Principles and Terms of Geography and Cartography

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Abstract: Geography and cartography are essential for understanding spatial connections, relations and process; therefore both have an important role in education. For better visualization and understanding of the content presented in primary school interactive approach and animations have been used. First educational web-map includes a geographical map of the Republic of Croatia, political map and city-map. Additional assignments, exercises and games are created as educational content. Basic cartographic and geographic terms are explained.

Another web-map includes animated and theoretical demonstration of the cardinal points and orientation by day and by night. Exercises for each part are included. Maps are intended for pupils' individual and independent use. The aim of making these maps is to improve and contribute to current existing learning material for cartography and geography in primary school.

Educational web-maps are created in SVG (Scalable Vector Graphics). Inkscape is used for creating maps, and all of its elements. Interactivity and included animations are achieved using JavaScript language.

Keywords: Web-map, cartography, education, interactivity, animation, SVG