



Teaching Geography and History through GIS: Application on Greek cultural sites

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This study deals with the presentation of cultural succession in Greek space-time through a GIS application, associated with core concepts of geographic and historical education. Through the specific application students will be able to develop five distinct skills: sense of time-scale, historical and geographic comprehension, spatial analysis and interpretation, ability to perform geo-historical research, and procedure of geo-historical decision-making. The methodology is based on the calibration of a set of criteria for each cultural site that covers the topics of economy, geomorphology, society, religion, art and science. Further analysis of these data forms a geodatabase. In addition, palaeogeographic and historical maps of the cultural sites derived by the geodatabase provide information about temporal and spatial changes. As result, students will be able to develop a multidimensional and interdisciplinary approach, in order to reconstruct the evolution of the site.