

8. Gis & Me



Title	GIS and me
Content/ Subject areas	<p>A daily camp for the city high schools. 3 subjects are integrated: Informational technologies, geography and history. “We are creating and presenting the maps of Shalchininkai region’s cultural heritage.”</p>
Target group	30 pupils from 14 to 17 years old
Learning objectives / competences	To create maps of Shalchininkai region’s cultural heritage using ArcGis online program and to strengthen youth’s IT and social competence required for their future profession and career.
Description of overall activity	<p>During activities pupils will be able to get to know and create their projects – maps using an innovative program “Geographic information system” (GIS). Nowadays, this program creates unlimited opportunities to get to know our diverse world, explore connections and tendencies between objects, gives tools to choose, store, analyse and present spatial information in the form of the map, suggests methods and ways which allow to solve different tasks. With GIS teachers can interest students of any age with informational technologies and involve them in interesting explorations, which stimulate to think of presenting spatial information and deepen studies of their surroundings. By working in teams during the camp teenagers will try to look at the home town with their young eyes and find things which may be interesting for their city or village young citizens. The campers will show their thoughts by creating maps with GIS program which will include famous objects, memorials and etc.</p> <p>Team work will also be very important during these activities.</p>
Description of the process and teaching/ learning strategies used	<p>On the first day, campers will gather in Shalchininkai Lithuaniai Millennium high school to get to know each other, listen to lecturers’ lessons and have a look at GIS system, its abilities and merits, try to work with this program for the first time (create a GIS map). The theme by which the participants will have to create their maps will also be announced on the first day.</p> <p>Theme: Shalchininkai region cultural heritage.</p> <p>Excluding the first and the last days, the campers will work in different schools. Therefore, different social medias and tools on the Internet will be used to ensure interaction between students and a project leader. Training materials and tasks will be put in www.informacinestechnologijosltg.jimdo.com. They will be given out to every school group’s leader. Daily consultations and discussions of the results will be held online. It is expected to have three group leaders which will have to organize educational camp “Gis and me” and the teaching of the participants: they will have to make sure that the camp is working and</p>

	<p>pupils are educated by the plan, assure that the informational technologies are working properly and look after students during the camp.</p> <p>On the fifth day, the main task for everyone will be to introduce their team, the map which they will have created and their results. The creators of every map will try to present what they have learnt and created during the camp as originally as they can. Presentations will have to show every group's originality, creativity and the IT skills – some students will create presentations using PowerPoint, Prezi or other apps, maybe some of them will make short clips or even websites.</p> <p>A competent commission will have to rate maps and presentations. Using different criteria will be chosen 3 best maps and 3 best presentations. Students will be given participation's certificates and gifts for their victories.</p>
<p>Evaluation/ types of assessment</p>	<p>The work will have to be created using “ArcGIS Online” program for digital maps (www.arcgis.com). Maps will be rated by these criteria:</p> <ul style="list-style-type: none"> • Overall esthetic look (for example: the right font and its size, the chosen colors); • Compliance of the theme; • Clear and correct notes written in Lithuanian language; • Cartographical look – the right scale for the explored territory and the good looking objects and expressions; • The usage of helpful and extra elements in the map (graphics, texts, diagrams, photos); • Applications from the creation of the map (an extra element). <p>The Participants of the contest will be given the appreciation letters, the winners will get prizes.</p>
<p>Materials and tools</p>	<p>Lessons will be printed and given out to the group leaders</p> <p>IKT tools:</p> <p>http://www.arcgis.com/features/ http://storymaps.arcgis.com/en/ https://padlet.com/ https://prezi.com https://drive.google.com/drive https://www.google.lt/maps?hl=lt&tab=ol http://www.jimdo.com/</p>
<p>Timing and learning environment</p>	<p>Duration – 5 work days</p>
<p>Conclusion</p>	<p>Pupils, who will take part, will create maps of Šalčininkai region cultural heritage, use ArcGis online program, strengthen IT and social competencies required for their future profession and career.</p> <p>They will get to know their region better and find out what different cultural heritages it has and why they are under protection.</p> <p>They will work in teams; communicate using communication tools on the internet.</p>
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