



GOOD PRACTICES IN STEM EDUCATION

Title	Learning by doing in science education using ICT
Brief description	<p>Students are required to prepare interactive presentations on preset scientific topics by themselves.</p> <p>In order to complete the task, students learn how to use different software programs and how to prepare presentations, movies etc. For more complicated tasks they need to find additional information which leads to new knowledge in different areas. This approach stimulates students' imagination on how to present something purely scientific in ways that are creative, understandable and attractive for their classmates. On the other hand this cultivates new skills and knowledge.</p> <p>All the presentations are published in an open platform (like http://padlet.com for example) and are available for other students to learn.</p> <p>Students are encouraged to use free on-line platforms and resources (like Screen recorder, Voice recorder, Text to speech, piZap, Screencast-o-matic. etc.) in order to prepare their interactive presentations.</p>
Level	Individual school level
Advantages Why is it innovative/ attractive to students?	<p>Students are encouraged to use ICT and to search for different free on-line resources and acquire new knowledge while preparing their presentations.</p> <p>Both teachers and students may also use free on-line resources (like Testmoz) in order to develop different kind of tests.</p> <p>The simple to use, user friendly web-based educational site, encourages individual expression, provides quick, easy and exciting opportunity for real time learning. It makes creating animated videos extremely easy and encourages learners to explore and discover.</p>
Teachers' opinion	Students acquire new knowledge. They also get to know useful free on-line resources. They challenge their creativity.



Students' opinion	It is fun and interesting to present problems solution using ICT, different platforms and software, pictures and art.
Difficulties	Students have different level of knowledge and skills.
Further information / Case Studies	http://it-5ou.weebly.com/
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