

Documentation about usage and advantage of a chosen App in a prepared short lesson in classroom

Subject/Topic of the short lesson: Maths

Class & age of students: Class 7a, age 16 to 18

Place: BG + BRG Feldkirch, Rebberggasse 25-27, 6800 Feldkirch / AUSTRIA

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Chosen App: GeoGebra Grafikrechner (in combination with GeoGebra CAS Calculator)

Question/issue/topic to demonstrate & show with the chosen App: solving mathematical problems (more specific: functions) using GeoGebra

Usage of the App (documentation what was going on during the short lesson): Using GeoGebra, our classmates had to determine the exact graph of a wanted function. To ensure everyone knew how to use the app we presented each individual step on a large screen in front of the class.

Advantage of the chosen App: Determining functions with only little data is easier on the app, since the calculations taking up a lot of time if done by hand run automatically in the background. Because the functions are displayed graphically, tasks in which one must determine certain points on the graph are a lot easier as well. Additionally, the app is free, available (in multiple different languages) on IOS and Android and (at least in Austria) important for the Matura.

Pictures & hyperlink to short movie (1-3min) from the usage of the chosen App during the short lesson:



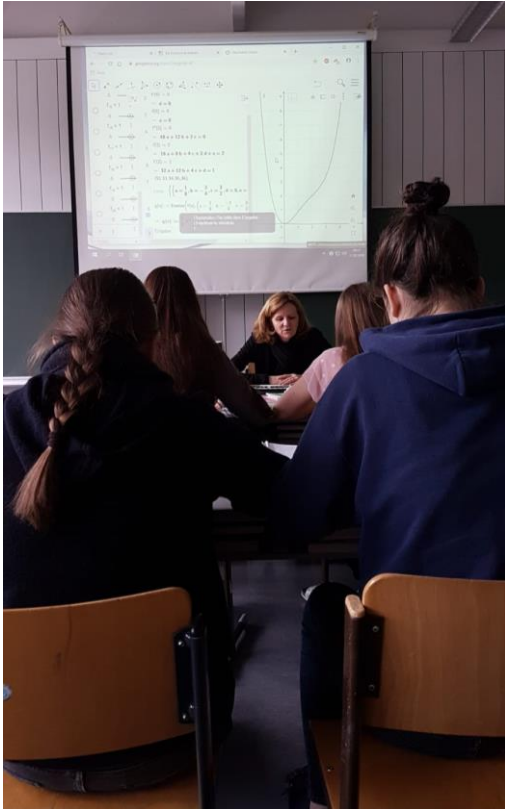
source (picture above):

<https://twinspace.etwinning.net/files/collabspace/1/01/101/72101/images/be12d7e6a.jpeg>

source (picture right):

https://upload.wikimedia.org/wikipedia/commons/7/7f/BG%2BBG_Rebberggasse_25%E2%80%9327_Feldkirch%2C_B%3%B6hringer_3.JPG

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Link to the video: <https://www.youtube.com/watch?v=7BgWX6ZAhPs>

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<http://Smart.eLearningCluster.at>

