

Inspiring Teaching practice example

Using the Geogebra software package for dynamic geometry and applications in Mathematics

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Title	Using the Geogebra software package for dynamic geometry and applications in Mathematics
TET-SAT Area	Digital Pedagogy
Number and name of the illustrated competence	Question 7. Plan, use and evaluate digital tools to be integrated in the teaching and learning process (ICT devices, digital tools and software, Internet and networks)
Estimated level for this competence	Expert
Learning outcome(s) associated with it	By using ICT to provide dynamic teaching and for better treatment of teaching content; it is much easier for students to accept the mandatory contents. Students learn the skills necessary for the 21st century. Therefore, students are more interested in learning Mathematics.
Type or name of ICT used	GeoGebra
What you do that meet this level	<p>I have taught my students to use GeoGebra. They learned to use this software in everyday mathematics, but they also learned to apply Geogebra in technical objects (for example, for amplitude modulation of signals, AM in telecommunications). Students learned to use already done examples on GeoGebraTube to work in a virtual classroom through GeoGebra Groups.</p> <p>Students are doing homework on the Moodle platform. I later evaluate their work, taking into account the accuracy, precision, and use of GeoGebra tools. I also evaluate the appearance of the applet, the organisation of the elements in the applet. We also use the BYOD Concept.</p>

Image or link to the example



Draft actions to move to the next level

I should use Geogebra more in everyday work. In this way, students will more easily accept and learn all the activities in GeoGebra. The diversity of access (home work, school work, the use of the Exam mode, the GeoGebra group) will be of interest to students, and therefore more will teach mathematics.