

GeoGebra Workshop for the Initial Teacher Training in Primary Education

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ABSTRACT

This paper is part of a wider research we are conducting at the Faculty of Education (UAM) to discuss how to involve the dynamic geometry software GeoGebra in the development of geometric and pedagogic competences in the degree Teacher in Primary Education.

We have designed a GeoGebra Workshop for the course “Mathematics and its Pedagogy II” (2nd year in the degree) to work the main geometric competences that primary pre-service teachers need to develop.

We will show examples of constructions made by the students in which we can analyze the development of skills such as reproduction of geometric figures, verification and generalization of properties, geometric problem solving, etc.

In addition, we try to know the impact of using dynamic geometry software in the students’ attitudes and motivation.

Keywords

GeoGebra, Geometrical Competences, Pre-services Teachers, Dynamic Geometry.