Illustrating Advanced Learning Materials Related to the Circle in GeoGebra: A Case Study

Torma Bence, Waldhauser Tamás

University of Szeged, Szeged, Hungary

According to international studies, GeoGebra during math lessons enhances students' learning, makes the lessons more enjoyable, and motivates students. Our presentation introduces a case study in the field of geometry. It processes advanced learning materials in connection with the circle with the help of GeoGebra.

We aimed to create a digital resource and test it among 10th-grade students. We made notes about the lessons, and students gave feedback on the GeoGebra software. Students had the opportunity to learn the basic skills needed to use the software and then try them out in the form of an assignment.

Based on the experience of the lessons and feedback from colleagues and students, we will further develop the digital material for a later controlled study.

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