



# Methodological Questions of Digital Teaching Material Development Made in the Subject of Mathematics

ANDRÁS LÉNÁRD and JUDIT SZITÁNYI

*Abstract.* In the methodology of mathematics teaching, the selection and the manner of using applicable digital teaching materials appeared as a new element. As the number of digital teaching materials applicable in education is constantly increasing, their purposeful use is rarely discussed. In what areas digital teaching materials can be used in mathematics? What are the problems for which they could provide a solution? Shall we use them besides traditional solutions, or instead?

The authors of this article have had the opportunity to participate in projects aiming to develop digital learning materials on various occasions. During the implementation of the projects, they needed to make methodological compromises at various points.

In our article, we are seeking a more emphatic use of methodology belonging to digital teaching materials, drawing on the experiences of three implemented projects. Our aim is to draw the attention to the anomalies we found in the implementation of the projects, which must be taken into consideration in new developments already at the planning stage.

*Key words and phrases:* digital teaching materials, digital teaching unit, teaching material development, teaching development piloting, basic principles of methodology.

*ZDM Subject Classification:* U70, R20.

ANDRÁS LÉNÁRD and JUDIT SZITÁNYI  
ELTE FACULTY OF PRIMARY AND PRE-SCHOOL EDUCATION  
HUNGARY

*E-mail:* [lenard.andras@tok.elte.hu](mailto:lenard.andras@tok.elte.hu)

*E-mail:* [szitanyi.judit@tok.elte.hu](mailto:szitanyi.judit@tok.elte.hu)

*(Received October, 2017)*