THE RELATIONSHIP BETWEEN DIGITAL, MATHEMATICAL AND LANGUISTIC LITERACY IN PROGRAMMING EDUCATION: RESEARCH AND CONCLUSIONS

Ivaylo Staribratov, Todorka Glushkova

Abstract. *The article explores the interrelationship between digital, mathematical and linguistic literacy among programming teachers. The presented results and conclusions are based on a conducted study, according to which the successful assimilation of knowledge and construction of the target digital competences is closely related to a high level of mathematical and linguistic literacy. The research proves the interdependence of digital, mathematical and linguistic literacy and the need for an integrated approach both in the process of teacher qualification and in student learning.*

Key words: Digital competences, mathematical and linguistic literacy.

Acknowledgments

Ivaylo Staribratov[1], Todorka Glushkova[2],
[1,2] Paisii Hilendarski University of Plovdiv,
Faculty of Mathematics and Informatics,
236 Bulgaria Blvd., 4003 Plovdiv, Bulgaria
Corresponding author: `staribratov@uni-plovdiv.bg`