



Promotion of Computational Thinking and Informatics Education in Pre-University Studies

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Message from the Collection Editor

Digital competence is a key competence proposed by the European Union. Having basic computer skills is a necessity in today's society, which adds to other basic knowledge, such as reading, writing or performing arithmetic operations.

The development of any key non-transversal competence requires independent subjects with a mandatory character, such as Mathematics, Physics, Chemistry or Natural Sciences, for example.

Informatics constitutes a mixed discipline with elements of science and technology. Therefore, its learning requires an independent subject from others with which it has a relationship but whose contents are different, such as Mathematics or Technology. Moreover, this subject-based approach should be combined with other items from a pedagogical toolbox such as the computational thinking.

Purpose of the special issue

The purpose of this Special Issue is to help to identify good practices and/or particular concerns that may contribute the development of the computational thinking practices and curricular approaches to teach informatics in the different levels of the pre-university studies, with a special emphasis in bringing with STEM reinforcement actions.

