

STE(A)M Lessons Learned: from STEM4Math to STEAM-CT

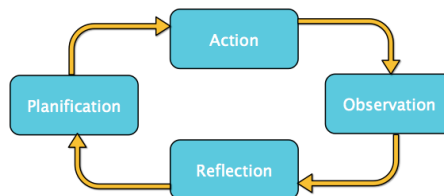
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Abstract:

In 2016, our group at the University of Valladolid received an invitation to participate in an Erasmus project to exchange innovative ideas and practices to improve Math learning through STEM Education. More than 150 Primary School children and their teachers in Spain and dozens of classrooms in the other four participant countries (Finland, Sweden, Belgium and Portugal) tested our approaches to the topic and helped us improve 20 project ideas (<http://stem4math.eu>).

All projects were developed following an instructional design schema, where school teachers were coached by the project teams and improvements were made along the process.



This project successfully ended in the summer of 2019, when we were granted a follow-up on the topic. The project called STEAM-CT focuses on Computational Thinking and adds the countries of Lithuania and Italy to the strategic partnership. Moreover, it opens-up our focus to smaller children (4/5 year olds) and progresses up to Secondary School students.

The main outcomes of STEM4Math will be presented in this talk together with the lessons that we have learned during the process.