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# Methodologies for Peruvian Children with Down Syndrome



**Authors:**  [Josué Villasante](#),  [Stefanny Poma](#),  [Juan Gutierrez-Cardenas](#),  
 [Nadia Rodriguez-Rodriguez](#) [Authors Info & Affiliations](#)

## Publication:

ICETC 2019: Proceedings of the 2019 11th International Conference on Education Technology and Computers • October 2019 • Pages 12–17 • <https://doi.org/10.1145/3369255.3369270>

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## ABSTRACT

Learning disabilities are found in people that experience difficulties in the acquisition of intellectual skills, which are fundamental to succeeding at school, work or in life in general. An example of a learning disability is Down Syndrome (DS). Children with DS are usually unable to follow the traditional educational systems. As a result, these children need tailored methods and techniques that adapt to their learning styles. Therefore, new educational tools are being developed that allow Down Syndrome Children (DSC) to sharpen their intellectual capacities in a better way. In this research, we implemented and modified two literature-based mobile tools that could aid in acquiring mathematics and linguistic skills oriented towards DSC. We performed a quasi-experimentation to test the improvements in mathematics and language skills in a group of children with DS. Moreover, we found that the response time of children with disabilities is a complex task; and the


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technological tool, the results show that it is possible to increment the mathematical and language skills in a group of DSC by using an Information and Communication Technology

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