

**‘Specialization in ICTs and Special Education: Psychopedagogy  
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DEMOCRITUS UNIVERSITY OF THRACE Department of Greek  
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Institute**

**THE CONTRIBUTION OF EDUCATIONAL ROBOTICS TO  
CHILDREN WITH LEARNING DISABILITIES**

MYLONA EKATERINI

POSTGRADUATE THESIS

SUPERVISORS  
DRIGAS ATHANASIOS  
GAVRIILIDOU ZOE  
MITITS

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## **ABSTRACT**

The purpose of this paper is to present learning difficulties as these are emerging from the literature that has been found mostly online, on the other hand, to present a personalized intervention program to a pupil of third grade of elementary school. Its object is also the educational robotics, and that it contributes as an external aid factor, the way it creates an incentive and acts as a method of rewarding, while enhancing the ability to solve problems and the pupil's computational thinking. The method used for the first part was the bibliographic review, while for the second part an informal evaluation tool was used and a personalized intervention program. Initially, it is defined, clarified and analyzed the term "learning difficulties" and the different species are presented. Secondly, the possibilities of educational robotics are defined, some surveys are presented, some applications abroad and Greece, its contribution to disabilities, in affecting areas and Lego We Do 2.0 Core Set is presented as a tool for the teaching intervention. Then, it analyzes the part of the survey, which includes the purpose, assumptions, demarcation, research methodology, participants, the intervention program, procedures, data management, timetable and statistical analyzes. Finally, the results, conclusions and restrictions on research are summarized and generally the results of diplomatic work.

**Key words:** Learning Difficulties, Educational Robotics, Personalized Intervention Program, Motivation, Lego We Do Core Set.

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