

The Effectiveness of a Training Program based on Peer-Training to Develop Math Skills among Students with Learning disabilities

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Abstract: This study aimed at identifying the Effectiveness of peer training program developed based on Peer-Training to Develop of Math Skills among Students with Learning disabilities (SLD), who enrolled of learning disabilities in Jeddah. However, in order to achieve the objectives of this study, the researchers have used the quasi-experimental method. A training program has been prepared based on peer education to increase (SLD) skills in math. The program consisted of (three) main dimensions which are (addition, subtraction, multiplication). Validity and stability indicators for this tool were then extracted.

The study tool on the study sample which consisted of (40) (SLD) at learning disabilities classes in Jeddah; they distributed into (20) students in the experimental group and (20) students in the controlling group. The students have been selected purposively. The study that there is a statistical difference in favor of the experimental group on the peer education program (addition, subtraction, multiplication).

Results have shown the effectiveness of peer education in improving math skills for (SLD) at all dimensions of the training program. However, the total score post-test (1.59) with a statistical indicator (.000). Results of the dimensions of the training program came as follows:

- 1- The first dimension "addition": there was a statistically significant difference in this dimension favoring the experimental group, with mean = (1.58) and statistical indicator (.000).
- 2- The second dimension "subtraction": there was a statistically significant difference in this dimension favoring the experimental group, with mean = (1.61) and statistical indicator (.000).
- 3- The third dimension "multiplication": there was a statistically significant difference in this dimension favoring the experimental group, with mean = (1.58) and statistical indicator (.000).

Key words: peer training, math skills, students with learning disabilities.