

***The Effectiveness of a Suggested Program Based on Animation on the
Development of some Mathematical Skills and Self Confidence
for Educable Mentally Retarded Pupils***

Abstract:

The current study aimed at exploring the effect of using a program based on animation on the development of some mathematical skills and self confidence for educable mentally retarded pupils. The two researchers prepared a computerized program based on animation and a teacher booklet for teaching mathematics, according to the program based on animation for educable mentally retarded pupils. The researchers also prepared mathematical skills test and self confidence questionnaire. The study sample included (15) primary students from mentally retarded schools at Fayoum The researcher administered the study tools to gain pre-data, then taught program based on animation for the experimental. Finally, the researcher administered the tools to gain post data.

The study results revealed that the performance of the experimental group was developed in the post administration of mathematical skills test and self confidence questionnaire in every skill, and in the test as a whole . This was because that using animation helped to develop mathematical skills and self confidence .Also, The results revealed that there was no significant difference between post and follow up administration of mathematical skills test and self confidence questionnaire .In addition, there was a positive correlation, significant at (0.01) , between the experimental group scores in the post administration of both mathematical skills test and self confidence questionnaire . The study recommended applying animation in the curriculum of mentally retarded pupils and using some of teaching styles that help the learner to use mathematical skills and self confidence.

Key Words : Animation, Mathematical Skills, Self Confidence , Educable Mentally Retarded Pupils