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دور المواد اليدوية الملموسة في رفع مستوى تحصيل التلاميذ المعاقين بصرياً في الرياضيات		

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Dissertation Abstract

COLLEGE: Damietta Faculty of Education	DEPARTEMENT: DEP. OF CURRICULA & INS.	CALL NO:
AUTHOR: Mohamed El Sayed Ahmed El Demrdash	DEGREE : Master	DATE: 2003
Dissertation Title The Role of Concrete Manipulatives Materiales in Improving the Achievement Level of Visually Handicapped Pupils in Mathematics.		

Dissertation Abstract (One Page A4)

The present study aims at investigating the role of concrete manipulatives materiales, in comparison to the traditional adopted methods of teaching, in enhancing the achievement levels of visually handicapped pupils in mathematics. The study will focus exclusively on the unit of algebraic terms and expressions studied by the first preparatory pupils in Al-Noor Schools in 2002-2003. So, the problem of the study can be formed in the following question :

What is the role of the concrete manipulatives materials in enhancing the achievement level of the visually handicapped pupils in mathematics?

This question branches into the following:

1. How could we reshape the unit of algebraic terms and expressions, using concrete manipulatives materials, in order to be taught to the visually handicapped pupils?
2. What is the effectiveness of the concrete manipulatives materials in enhancing the achievement level of the visually handicapped pupils of the first preparatory concerning the unit of algebraic terms and expressions?

The most important results of this study are summarized in the following points:

1. There is a significant statistical difference at the level of 0.05 between the mean ranks of marks of the two groups of the study i.e. the experimental and the controlling groups, for the experimental group. This appears in the post achievement test on the unit of the algebraic terms and expressions studied by the first preparatory students.
2. The effectiveness of the modified concrete manipulative materials in enhancing the achievement level of the first preparatory visually handicapped students concerning the unit of algebraic terms and expressions.

Key Words (Not more than ten): Mathematics Education – Visually Handicapped - Concrete Manipulatives Materiales - Teaching Mathematics for Blinds.