

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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﴿ اقرأ باسم ربك الذى خلق * خلق الإنسان من علق * اقرأ وربك

الأكرم * الذى علم بالقلم * علم الإنسان ما لم يعلم ﴾

صدق الله العظيم

العلق : (٣٠) (١ - ٥)

Dedication

I dedicate this Poor research to:

My Parents.....

My family.....

My friends

My colleagues

To all Educators

With My Great Love to all of You

Mohammed Tahir Ismael

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Abstract

A learning-package for Mathematics was designed using a computer to create tutorials and drills for retention of equations for students, also it was designed to encourage the learning process, and enable learners to label and recall the types of Circle's Equations, and use these types of equations in solving Mathematics' problems.

This research investigates whether or not the learning package for Mathematics (Circle's equations) meets the four adequacies of computer-based instructional material (Cosmetic adequacy, Technical adequacy, Curriculum adequacy, and Pedagogical adequacy).

The learning package for Mathematics was implemented to (40) students in El-Sbatasher high secondary schools (grade 3) in Omdurman.

The important findings are grouped according to the interview of subject expert, questionnaire, an observations, and pre-test and post-test.

1. The learning package for Mathematics meets the four adequacies of computer-based instructional material
2. The learning package for Mathematics meets the purposes set effectively.
3. The Learning-package for Mathematics via computer enhances cooperative learning