

# **The Effect of Using Cross Curricular Teaching and Learning(CCTL) in Teaching science on 4<sup>th</sup> Graders Students Understand Scientific Concepts**

**Prepared by: Lama Abdelazeez Khalil Salameen**

**Supervisor: Dr. Mohsen M. Adas**

## **Abstract**

The aim of this study was to investigate the effect of using the CCLT methodology in Teaching science one 4<sup>th</sup> grad students understanding of scientific concepts in Palestine, to verify the objective of the study, it was applied to on purposeful sample of (111) the grads students distributed in two different schools, male and female schools distributed among four groups. The researcher designed the instrument of the test for understand the scientific concepts, and prepared guide to the teachers for the first unit of human body systems.

The researcher used the SPSS program to analyzed the data of the study, the results of the study showed that there were statistically significant differences at the level of significance due to the teaching method in favor of the experimental group that studied the CCLT strategy, the study also showed statistically significant differences at level of significance due to gender and the result was in favor of males. The results of the study showed also no

statistically significant differences at the level of significance due to interaction between teaching method and gender.

Based on the results of the study, the researcher recommended using the CCLT methodology in teaching out research on the impact of the use of the CCLT strategy on other subjects.