

**The Impact of Teaching Science through
Scientific Cartoon animation on Students'
acquisition of Scientific Concepts
"An experimental study on sixth Grade
students"**

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Abstract

This study aimed to explore the impact of using teaching Science through scientific cartoon animation programs on acquiring scientific concepts for the primary stage students in 1st Irbid education dept. The study sample comprised of (70) students of the sixth grade primary students in Hamza primary boys school and (98) students of the sixth grade in Ruqayah Bent ARRasool primary girls school following 1st Irbid education dept. The students were randomly distributed on two groups, one is experimental and the other is control group, each of them consists of (35) students. The girls were also distributed on two groups: the experimental group and the control group, each of them consists of (49) female students. In order to achieve the goals of this study a test was formed in its final form which comprised of (29) Items, and

a questionnaire was designed to measure the scientific habits of the sixth primary grade students and was comprised of (24) items in its final form. The animation cartoon program was (can yama can) used for teaching the experimental group.

The study findings were as follows:

1. Differences of statistical evidence were found for the sixth grade students gaining the scientific concepts depending on the teaching method in favor of the experimental group as compared with the control group.
2. Differences of statistical significance were found in gaining the scientific concepts for the experimental group students according to the variable of gender in favor of female students.

In light of the study findings the researchers recommended the following:

- The necessity of benefiting from the educational cartoon animation teaching for the primary stage students.
- The ministry of education shall seek setting up cartoon animation educational programs for various primary stages.
- Conducting various studies on the impact of using cartoon animation in teaching science in away that deals with various study levels, and other scientific issues such as the scientific directions.

Key words: Teaching science, scientific cartoon animation programs, gaining the scientific concepts.