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# The Effect of Infographic-Based Education on Students' Creativity

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## Abstract

**Introductoin:** Numerous authors and experts have stated that creativity is a necessary and required tool to face the current growing and changing world; Therefore, educational instructors are obliged to develop students' creative capacities. The present study aims to study the effect of infographic-based education on the level of creativity of ninth-grade junior high school female students.

**Method:** This quasi-experimental study was conducted using a pre-test and post-test design with a control group. The statistical population was all female students of the ninth grade of the first high school in Qods city in the academic year of 2018-2019, among them 60 people were selected by simple random sampling and after matching, they were placed in control and experimental groups. The instrument used in the research was Torrance's pencil and paper creativity test. The reliability of the measurement tool was obtained in a preliminary study using Cronbach's alpha of 0.80. The descriptive method (mean, standard deviation) was used for data analysis, and one-way covariance analysis was used in the inferential statistics section.

**Results:** The results of the one-way covariance analysis showed that there is a significant difference in the average creativity scores of students who were trained using infographics and students who were trained using the usual method. The use of infographics in teaching the experimental group has led to an increase in creativity. Also, the findings of the study on the components of creativity, which are the hypotheses of the research, showed that education using infographics has led to an increase in the components of fluidity, flexibility, expansion, and innovation.

**Discussion and Conclusion:** The research showed that teaching using infographics has a significant effect on creativity and all its dimensions more than traditional methods and has increased students' creativity.

**Keywords:** Teaching Method, Infographic, Creativity