

The Effect of Individualized Computerized Learning and Computerized Learning Within Groups on Developing Creative Thinking Skills for Seventh Graders in Geography in Jordan

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Abstract

This study aimed at investigating the effect of individualized, computerized learning and computerized learning within groups on developing creative thinking skills for seventh graders in geography in Jordan.

To achieve the aim of this study, the researchers developed a computerized educational program of the unit of environmental problems from the geography book for the Seventh Grade, Specifically, it was developed according to individualized learning and learning by groups.

The study used *Torrance* test for creative thinking (lexical items A). The test was applied before and after the experiment. The results of the study have shown:

- 1- There were statistically significant differences at ($\alpha=0.05$) level between pupils on levels of fluency, flexibility, and originality and the total creation, where the differences were attributed to the learning style in favor of computerized learning within groups.

- 2- There were statistically significant differences at ($\alpha=0.05$) level between pupils on fluency and originality levels. where the differences were attributed to pupils gender, in favor of the females groups.
- 3- There were no statistically significant differences at ($\alpha=0.05$) level between pupils on flexibility level, due to students gender.
- 4- There were statistically significant differences at ($\alpha=0.05$) level between pupils on levels of fluency, flexibility, and originality and the total creation, due to the interaction between the learning style and the gender.

This study recommends that computerized learning within groups should be given more importance and care and be adopted in educational fields..