Teaching Seventh Graders Students in a Cooperative Digital Environment

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**Abstract**

The traditional educational patterns that are used in our schools are not suitable to the development and progress in technology that our students are raised upon. Making school and studying a burden for many students. Thus, there has become an urgent need to improve the quality of students' thinking than just store and save information and summoned, to the development of creative. Hence, the problem of the current research is to test the effectiveness of cooperative learning among seventh grade students and the development of spatial sense in order develop the student's cognitive thinking of the concept of spatial sense in a computer supported cooperative learning environment .To achieve the objective of the study, the following question was posed:

1. How do the words, narratives and routines of students on the subject of spatial sense in a computerized cooperative environment changed?

Qualitative research was chosen to answer the study question. Nine students were selected randomly from the seventh-grade from Arara high school and divided into three groups. The researcher taught the study sample three lessons computer supported cooperative learning environment. The Data were analyzed in an analytical way according to Sfard theory, and then discussed in accordance with the theoretical framework and previous studies.

The results showed significant influence for the computerized cooperative work in changing the students’ narratives, routines, and words. Cooperative work helped groups to develop and enhance their confidence and conclusions. Using the computer helped them to develop from conclusions relying merely on prior knowledge to conclusions based on the analysis and sure circulation. In addition, the three groups made ​​it clear that the use of the computer program enabled them to transfer from the fictional knowledge of mathematics to factual knowledge that can be dealt with.