

The impact of using of roleplaying and visual teaching strategies in teaching science to develop social communication and visual thinking skills among 3rd graders

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Abstract

This study aimed at tracking the strategic effect of learning by playing and visual learning in teaching science to develop the two skills of social communication and visual thinking for 3rd grade students. The study was implemented in the second semester of the school year 2018/2019 on a sample consisting of 73 students who was distributed randomly into two experimental classrooms, one was taught by using the playing learning strategy and the other by visual learning strategy and there was another group of students in a third classroom who were taught by the regular conventional ways as a controlled variables group.

Two different tools were built to conduct the study, a questionnaire to measure the social communication skills and a note card to measure the visual thinking skills. In addition, a teaching guide (plan) was prepared for the unit to use it in applying the two different strategies, then to be sure about stability and credibility of the research tools.

The information was analyzed using one-way analysis of variable method (ANOVA) to measure the differences between social communication skills group, the visual skills group and the regular controlled group. The results had shown that using both learning by playing and visual learning have their effect on developing the skills of social communication and visual thinking for third graders, and also have an effect in developing the skills of communication with the teacher. In the field of developing social skills with colleagues and siblings the greater effect was when learning by playing strategies were applied.

In the light of the results that the study had reached, the researcher recommended conducting more researches and studies about the effects of using learning by playing and visual learning on teaching science to develop the skills of social communication and visual thinking for 3rd grade students using different sample student groups and different variables. And it's important to concentrate on developing social communication skills and visual thinking in teaching and during classroom activities.