ABSTRACT

The purpose of this study investigated the Impact of Marzano’s Dimensions of Learning Model on Achievement in Science, Creative Thinking, and Attitude towards Science among Eight Standard Students. In addition, the study aimed to find out the correlation between study variables. The study was carried on students who were studying eighth standard in government schools, Ibb city, Yemen. The sample for the present study was drawn using simple random sampling technique and considered of 185 participants from Al-Nahda School for boys and Sana School for girls. Data were collected using three tools: (i) Achievement test in science which was used to measure of achievement of eight standard students in science; (ii) Verbal Torrance Creative Thinking test and (iii) Attitude scale towards science used to measure of attitude of eight standard students towards science.

The data collected was analyzed using independent samples “t” test, and coefficient correlation. The findings of the study revealed that there is a significant difference between experimental group and control group in achievement in science, creative thinking and attitude towards science and it is also implied that the experimental group exhibited the higher achievement in science, creative thinking and attitude towards science than control group.

However, the findings indicated the absence of significant difference between boys and girls in achievement in science, creative thinking and attitude towards science.

The results also indicated that there were positive relationships between variables of the study.

Based on these findings, educational implications and suggestions for future researches were recommended.