Scientific Thinking and Its Relation to Creativity Motivation Among 10th Graders in the Educational Directorate of Nablus

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Abstract:

The study aimed at identifying the degree of the scientific thinking and it's relation to creativity motivation among 10th graders in the Educational Directorate of Nablus, in light of the variables of gender, school location and science achievement in 9th Grades. The researcher used the descriptive method. The population of the study composed of (5059) males and females students at 10th grade in Educational Directorate of Nablus. A sample of (253) males and females students was clustery chosen including (114) males and (139) females constituting 5% of the study population, during the second semester for the academic year (2018-2019). In order to achieve the purpose of the study, two instruments have been used: a scientific thinking test and creativity motivation questionnaire, validity and reliability of both instruments were proved.

The study revealed the following results:
The average of scientific thinking degree of the 10th grader was (52.2 %), there were significant differences in the means of the scientific thinking among students due to gender in favor to females. There were significant differences in the means of the scientific thinking among students due to achievement in science in favor to (70 – 80) and (more than 80). In addition, there were no significant differences in the means of the scientific thinking among students due to school location.

The results also showed that the average of creativity motivation of the 10th graders was (61.04 %).Moreover, there were significant differences in the means of the creativity motivation among students due to achievement in science in favor to (more than 80),The results also showed that there were no significant differences in the means of the creativity motivation among students due to gender and school location.
The findings of the study revealed a positive relationship between the degree of the scientific thinking and creativity motivation among students.

In the Light of the study results, the researcher recommended educators to shed the light on the importance of scientific thinking and creativity motivation. Moreover, the researcher recommended others to conduct further studies about the relationship between scientific thinking and creativity motivation on different samples and using new variables .Finally, using scientific thinking method in the learning process and using educational methods that stimulate creativity motivation among students.