

Summary

Introduction :

Creative thinking has become one of the necessities of modern life. What we can see now from an enormous progress in the field of science, technology and arts is an Expression about that human phenomena. So the creative thinking should be one the main aim that should realize them in our schools with their different stages and it is also main part from scientific thinking that is one of the aims of teaching science .

The problem of study :

The problem of this study can be summarized in the following main .

Question :

4- What is the effect of this strategy an developing the ability General creative thinking and the creative thinking in science and the effect of this strategy the achievement ?

this question may be divided to:

1- What are the bases that the suggested strategy may be based on to develop the creative thinking among the study sample .

2- What is the effect of this stratgy an developing the ability General creative thinking

3- What is the effect of this stratgy an developing the ability General creative thinking in science .

4-What is the effect of this strategy the achievement.

- 5- What the relationship between the General creative thinking and the achievement .
- 6- What the relationship between the General creative thinking in science and the achievement .

The scope of study :

This study is confined to :

- 1- one units in the thired year prep science book .
- 2- A group of three thired year prep students in Al-Kalubia governorate .

The significance of the study :

- 1- The suggested strategy can be useful for the curricula designers to takecare of sombases related to creative thinking .
- 2- This study will help teacher to make AN Achievement test .
- 3- This study will introduce creative thinking in science May be used of Measure some sides creative thinking in science for prep stage .

Procedure of the study

- 1- Preparing and designing the strategy in teaching science to develop the ability of creative Thinking Through .
 - a) Theoretical study about creative thinking, The nature of the science-
The styles of developing the ability of creative thinking.
 - b) Review of literature which dealt with developing the ability of
creative thinking .

- c) Analyzing the content of third year prep since book to define the basic concepts and skills .
- 2- Submitting it to a Jury .
- 3- Preparing the tools of the study :
 - a) The ability of creative thinking test. By Torrance, translated by: Abd-Allah Soliman and Fouad Abo Hatab(1973) .
 - b) An Achievement test in content of the strategy . By researcher .
 - c) Creative thinking in science scale By. Researcher .
- 4- Choosing the sample and dividing it in two group .
- 5- The pre application of tools of the study .
- 6- Teaching using the strategy suggested by the researcher.
- 7- Applying the post - test .

Definition of the study :

Creative Thinking :

Creative thinking is a process that an individual becomes sensitive for the problems . The faces of shortage and gaps of Knowledge, The principles that are not complete then limited difficulty and look for solutions and makes guesses and suggestions about contradiction and tests their hypotheses and regains its and regulate it then produce its results