

Abstract

The deductive thinking is one of the aimed thinking kinds which you can work hard through it to reach a result or a solution or specific truth . That may need some of the information to get the logical solutions , these information and the ability can be called indicators or cases and through the operations and the ability to analyze , construct and find relations among these cases , we can reach a result or a specific solution .

It is common that the man became in most need to use his mental operations in sufficiency to suit the size of problems and developments which he faces in the changeable society and here comes the importance of the technological , technician and deductive thinking . This progress and development in life required the attention to develop the thinking of the students and provide them with the mental skills in order to be able to go side by side with the development which happened in our current time . This can be though the dealing of the man with the information by his own style and his way in understanding and the remembering with the connection to judge on things and solve the problems and recognize them .

This research aims to the effect of a knowing , behavioral and guiding program in developing the deductive thinking for the superior female students in the preparator schools and that can be through achieving the following targets:

First : measure the level of the deductive thinking for the superior female students .

Second : Making and constructing a guidance program according to the results of measuring deductive thinking .

Third : The research aims to test the following hypotheses :-

A-There is no statistical significant differences at the level of significance (0.05) in the level of deductive thinking for the superior female students in preparatory stage in the experimental and standard groups in the pre-post tests .

B-There is no statistical significant differences at the level of significance (0.05) in the level of deductive thinking for the superior female students in preparatory stage of the experimental and standard groups in the post test .

C- There is no statistical significant difference at the level of significance (0.05) in the level of deductive thinking for the superior female students in preparatory stage of the experimental and standard group according to the post test .

The research has built a deductive thinking scale (measurement) and presented it to a group of experts and they agree to use it . The psychometrical characteristics have been extracted of the she psychometrical characteristics have been extracted of the scale and from them . the suability and truth . The measure has been applied on a sample of superior students , the number of the sample was (400) students from the grand (fourth and fifth , scientific and literary) . The researcher depended on the experimental course to verify the research hypotheses .

The sample was comprised from (24) female students from the fifth scientific class who got lower grades from the middle hypothesis degree , they have been chosen from Zainab AL Hilaly school . The researcher has built a guidance program and depended on Mekenbon theory , the experimental group has been shown to the program and the standard group didn't show to the program .

The number of guidance sessions was (12) and to treat and deal with data , the action depended on many statistical methods like :- (person connection , T test , ratio weight and the preferable average) to reach the result which pointed to :-

- 1- There is no statistical significant differences at the level of significance(0.05) in the level of deductive thinking for the stander d group in the pre – post tests .
- 2- There are statistical significant differences at the level of significance (0.05) in the level of deductive thinking for the experimental group in the pre – post tests .
- 3- There are statistical significant differences at the level of significance (0.05) for the standard experimental groups in the post test and the priority for the experimental .

In according to the results , the researcher reached a group of conclusions like :-

- 1- Using the guidance program in this research by the educational supervises in there schools to develop the conductive thinking for the superior female students .

- 2- Getting the benefit from the measuring tool which the researcher has reached to discover the level of the deductive thinking for superior female students

The researcher presented some or the suggestions like :-

- 1- Making a comparative study by using the guidance program in this research among the schools of male and female students .
- 2- Making a study about the effect of the guidance program to develop the deductive thinking in another (grades) stages of study like primary and secondary schools and the university stage .
- 3- Making a study to know the relations of some changes like :- the economical level , smartness or geographical location with the level of deductive thinking .