

ABSTRACT

RESEARCH PROBLEM:

The problem of the present study can be stated in the following questions:

1. What are the practical skills necessary for teaching science at the primary stage ?
2. What is the performance level of science section students in teacher training institutes in some of these skills ?
3. What is the students' level in the cognitive aspects related to these skills ?
4. To what extent is the relationship between performance and the cognitive domain in the practical skills dealt with in this study ?

RESEARCH OBJECTIVES:

This research aims at:

1. Defining the practical skills necessary for teaching science at the primary stage.
2. Determining the students' performance level in some of these practical skills.
3. Determining the students' cognitive level related to those skills.
4. Stating the extent of relationship between the performance and the cognitive domain in these practical skills defined in this study.

RESEARCH TOOLS:

1. An observation checklist designed by the researcher to observe the students' performance in the defined practical skills.
2. A test designed by the researcher to measure the students' cognitive level related to the practical skills of this study.

RESEARCH SAMPLE:

The sample of the present study consisted of 50 students (male and female) in the fourth year, science section, in some teacher training institutes in Kalubia Governorate.

RESEARCH LIMITATIONS:

1. This study is concerned only with diagnosis. It is beyond the scope of this research to deal with remediation.
2. The present research is concerned only with SOME practical skills necessary for teaching science at the primary stage. These skills are the general ones.
3. The sample was students (male and female) in the fourth year, science section, in SOME teacher training institutes in Kalubia Governorate.

RESEARCH RESULTS:

1. The definition of a list of practical skills necessary for

teaching science at the primary stage.

2. The students' performance level was low in the chosen practical skills.
3. The students' cognitive level related to the practical skills was high in remembering the cognitive aspects, but it was low in understanding these aspects.
4. There was a correlation between the performance and the cognitive domain in those practical skills, but the correlation was of little rate, this indicates that knowledge is accompanied by performance but it is not the only element to form a skill in the performance because the skill in performance needs practice and training.

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AN EVALUATION OF THE ACQUISITION OF SOME
PRACTICAL SKILLS NECESSARY FOR TEACHING
SCIENCE AMONG STUDENTS IN TEACHERS'
INSTITUTES

A Research Abstract for the Master's Degree in Education
(Methods of Teaching Science)

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