

Introduction And Facing with the problem

The vocational education is considered the human power on which the communities are relied in its progress and developing all its life field.

That is because the suitable preparation for this power enables them to invest all the economical and social abilities in order to achieve progress and well fare .

The Technical education importance is evident in it's providing to the community with the human specialists and the clever technical workers to meet the community needs in different fields .

Those in turn can do the technical jobs in the institution in which they will work .

So accordingly they will contribute in the process of economical development of the community besides the increasing of production .

Thus the technical education seeks to prepare a generation of human technical specialists to meet the needs of work market as clever workers .

Determining the Study Problem

The present studying problem is the shortage of science curriculum according to the needs of the Vocational students in the technical industrial secondary schools .

To face this problem the researcher tries to answer the following main question :

What is the suggested curriculum in Science to the Vocational Industrial secondary school students in the light of their Vocational needs ?

This main question has the following branches :

- 1- What are the Vocational needs of technical industrial secondary school students ?
- 2- What are the objects which should be included in the science curriculum of the vocational industrial secondary school students in the light of these needs ?
- 3- To what extent do these objects exist in the present curriculum?
- 4- What is the picture of the suggested curriculum in Science of the vocational industrial secondary school students ?
- 5- What is the activity of a unit from the suggested curriculum in achieving the supposed aims . ?

The Study Aims and its Importance

The study receives its aims and importance from the following :

- 1- Determining the vocational needs of the technical industrial secondary school students and this can help those who plan the curricula to introduce the most suitable one to them in the light of those needs .
- 2- Introducing a suggest curriculum in science for the technical industrial secondary school students section ready made clothes and this can help those who plan the curricula for other sections .

The study Limits :

The present research is only concerned with :

- 1- The vocational secondary school for girl , three years system section ready - made clothes .
- 2- Preparing a general frame to the suggested science curriculum considering the aims and the suggested units .
- 3- Examing a unit of the suggest curriculum on a sample of the vocational industrial secondary school for girls in El-Monofia.

The study Steps .

To answer the study questions , the study moves according to the following steps :

- 1- Determining the vocational needs of the vocational industrial secondary school students specialized I n ready - made clothes through :
 - A) Revising the pervious studies and researches related to the research object .
 - B) Being acknowledged with the student characterizations .
 - C) Revising the vocational industrial secondary school aims .
 - D) Analyzing the vocational works .
 - E) Meeting the teachers and the senior teachers of science and technical subjects in the school and also the experts and specialized in the field .
 - G) Preparing a list of the vocational needs and judging it .
- 2- Determining the objects which should exist in the science curriculum in vocational industrial secondary school through :
 - A) The vocational needs list .

- B) The aims of teaching science in vocational industrial secondary schools .
 - C) Criticizing this list by a group of experts in the field of science curricula and teaching methods and by specialists in the field to assure that they are suitable for the students of vocational industrial secondary school specialized in ready - made clothes.
- 3- Evaluating the status of the science curriculum in vocational industrial secondary school through :
- A) The list of criteria .
 - B) Analyzing science books which are taught in the technical industrial education .
- 4- Preparing the suggested curriculum in science for the students of grade one and two and three of vocational industrial for girl specialized in ready - made clothes .
- 5- Examining one of the suggest curriculum units as follows :
- A) Preparing the unit - the pupils book .
 - B) Preparing the teacher book to teach the unit .
 - C) An Exam to measure the unit aims .
 - D) Introducing the pupils book, the teacher book and the Exam to specialists to assure that they are correct and suitable .
 - E) Selecting the study sample .
 - F) Applying the exam first .
 - G) Teaching the unit .
 - H) Applying the exam again .
- 6- Preparing results and explaining them .
- 7- Introducing recommendation and suggestions .

Results of the Study :

- 1- the objectives and content of the present science curricula do not meet the list of criteria set by the researcher In other words , they do not meet the vocational needs of the students at the industrial vocational secondary schools for girls .
- 2- The content of the technical subjects do not mee† the list of criteria either .
- 3- The proportion of the Black adjusted gain was 1.31 this is a considerable percentage denoting effectiveness of the unit and the suggested curriculum .