

To Study the Effectiveness of Programmed Learning Method For Science Subject Among Eight Standard Students

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Introduction

Teaching is a profession and teacher education is process of professional preparation of teachers. In teacher education programme the objectives of teaching should be well defined. The preparation of the curriculum is based on the objectives. The selection of the age group of the students, their attitude and aptitude. The selection of appropriate teaching methods is necessary for effective teaching. In the teacher education programmed by using various teaching techniques there is a need to develop the personality of the students. The self learning method is the effective way to enrich the knowledge of students.

Programmed learning is the innovative way to enrich subject knowledge. Due to the traditional way of teaching the quality of learning is deteriorated. To find out the causes behind the loss of learning the programmed learning is the way to update the knowledge.

• Need of the research problem:

In the traditional teaching a various subject it's all concepts, terms, principles, rules, diagrams, and charts were not so well defined. Then learning process becomes complicated. It's important to clear all the concepts. By the mathematics subject there is a need to develop the discrimination power among the students. To build the attitude among the students there is a need of programmed learning. In the present context for the higher primary schools the study methods should be enriched by programmed learning.

Importance of the Research Problem:

Student is at the centre of all educational system. The attentiveness of the students, grasping, teaching learning process, attitude and aptitude should be well built in such a way that the structure of the subject, textbook, evaluation process should be

well defined. By self learning method students are able to learn with self pace.

Significance of the study :-

By using programmed learning method in mathematics subject students self learning skills have been developed and occurs development in learning process.

Objectives of the Study-

1. To prepare the programmed learning material for eight standard students.
2. To become accustomed to learn with self pace.
3. To encourage the students for achieving the programmed learning Method.
4. To study the effectiveness of the programmed learning method.

Methodology

The present research Experimental method is used

Tools:

The research work is related to the present situation and hence experimental method have been used for collecting the data. The pre-test and post-test made for the eighth students and expertise and the data have been collected. According to those opens the tool developed and standardized

Statistical Method:

Analysis can be done by using inferential statistics mean, standard deviation (chi square) etc & conclusions will be given.

Sample-

Random sampling method used for random sampling method. 50 secondary level eighth students randomly selected V. S. khandekar highschool in Kolhapur city. Year 2018-2019

Analysis and Interpretation of Data-

Researcher has used percentage for analysis and interpretation, To check effectiveness of

programmed learning method to analyze, interpretation and to compare experimental and control group researcher has used mean (M), standard deviation (S.D.) and t-test.

Table

Table showing mean, standard deviation (S.D.) and t- Values etc.

Group	No.(N)	Mean (M)	S.D.	t-Value
Experimental group	25	55.78	16.22	4.64
Control group	25	43.67	10.82	

Above observation, The t- test has been applied to find out whether there is any significant difference in implementation of programme learning method of V. S. Khandekar highschool kolhapur in eight standard student the calculated t- value is found to be 4.64 which is greater than the table value and significant at 0.05 level.

Conclusion-

Result according to objectives.

1) The present, status of eight standard students regarding understanding problems in practical to make in learning field, The ratio of understanding of eight standard student about making research proposal, statement of problems, nature of problems, , objectives of problems, methods of programmed learning duration of practically is very slow.

2) The ratio of understanding of student about statistical analysis, presentation, Interpretation, report writing, duration of binding, duration of practical is very slow.

3) A developed programmed learning method is effective for practical of eight standard students.

4) Programmed learning method strategy is highly dynamic and practitioner friendly.

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