CHAPTER - 5

SUMMARY AND MAJOR FINDINGS

CHAPTER - V

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5.1.0 Introduction

This chapter presents a brief summary and findings of the study. This is followed by the educational implication used on the findings of study, suggestions for further research on related topic have also been outlined.

The present study deals with Influence of Constructivist Approach on Achievement of class v students in Geometry-concept pertaining to Angle.

Variable of the Study :

Independent Variable : Constructivist Approach

Dependent variable : Achievement in geometry

Background variable : Gender, types of Schools.

The researcher used single group pre test post test design to study Influence of Constructivist Approach on achievement of class V student in "Geometry"- Concept pertaining to Angle.

Sample was drawn from private and govt. School. In private School, there are four section of class V and each section has the strength 40 students. The researcher had taken 10 students from each section by adopting randòm sampling technique. So, the sample of private school consisted 40 student.

In govt. school, there was only two section of class V. So, all the 30 students of that class consisted of the sample.

Tools used were,

Achievement tests for pre as well as post test. The data was tabulated and analyzed by the quantitative statistics.

5.2.0 Major Findings

- Teaching and learning through constructivist learning situation could definitely help students.
- There was a significant increase in the post test scores of both boys and girls.
- The Intensity of Improvement' in achievement was same in boys and girls.
- The Intensity of Improvement" of government school student due to the intervention of constructivist learning situation was found better then that of private school.
- Constructivist learning situation improved constructivist approach on achievement of class V student in geometry of private and government school.
- Constructivist learning situation was found more beneficial to govt. school students.

5.3.0 Recommendations Of The Study

The findings of the present study indicate that there is a positive effect of constructivist learning situation on learning. Keeping in mind the findings, the situations can be recommended in different areas like,

- Day to day classroom practices.
- Teacher training programmed organized by DIET
- Teacher trainings of the DIET
- To prepare text book and supplementary material.
- To develop teacher's handbook.

5.4.0 Educational Implications

This study direct implication for classroom teaching, as well as, for the teacher education programme. Some of the major implications visualized are as follows :

- The constructivist learning situation used in teaching process help learners to learn the geometry effectively.
- Activities, constructivist learning situation, new methods of problem solving involved in teaching learning process motivate the students, to learn better, hence lead to greater achievement.
- When the constructivist learning situation is devoid of linguistic difficulties and of student's interest, the student learn, under stand the concept of geometry in a more enthusiastic manner.
- The constructivist learning situation helps the teacher to develop new strategies in teaching geometry.
- The martial of constructivist learning situation must be provided to all the educational institutions as compulsory part of teaching learning geometry.
- Further, the success of the use of the constructivist learning situation depends on the proper use of material and hence, the teachers should be properly trained to use the C.L.S., therefore teacher educational institute should train all the prospective teachers in the development of C.L.S.
- As we have found that the constructivist Approach of the students learning thought the C.L.S. was significantly higher, it should be made obligatory to follow strategy in classroom practices in order to improve the comprehension of students in geometry.

5.5.0 Suggestions For Further Research Studies

The present study being exploratory in nature brings into lime light several issues- In which further research can be undertaken following are the few suggestions for the further research:

- The study can be under taken with a large sample for precise results.
- Difference class levels can be selected

- The constructivist learning situation may be developed and validated in the other areas of mathematics such as arithmetic, algebra, statistics, etc.

- The relative effectiveness of pictorial, audio-visual and activity based constructivist learning situation may be studied.

- Further research may be focused on the extent of which the constructivist learning situation would help in using the geometry in day to day life.

- It will be interesting to study the effect of the constructivist learning situation keeping in focus the following variables.

(i.) Mental age and educational age of the students.

(ii.) Social and economical background of the students.

(iii.) Parents' educational qualifications.

(iv.) Personality adjustment and emotional intelligence of the students.