A STUDY OF THE EFFECT OF REMEDIAL TEACHING ON ACHIEVEMENT OF CLASS VII STUDENTS IN GENERAL SCIENCE

DISSERTATION

Submitted in Partial Fulfillment of the Requirement for the Degree

of

MASTER OF EDUCATION

(ELEMENTARY EDUCATION)

SESSION 2005-2006

TO

BARKATULLAH UNIVERSITY, BHOPAL

Supervised by:

Dr. KHEM RAJ SHRMA Reader in Education RIE, Bhopal Submitted by: SUNEELA CHOUBE M.Ed. (Ele. Edu.)



REGIONAL INSTITUTE OF EDUCATION (A Constituent Unit of National Council of Educational Research and Training, New Delhi) Shyamla Hills, Bhopal (M.P.)

A STUDY OF THE EFFECT OF REMEDIAL TEACHING ON ACHIEVEMENT OF CLASS VII STUDENTS IN GENERAL SCIENCE

DISSERTATION

Submitted in Partial Fulfillment of the Requirement for the Degree

of

MASTER OF EDUCATION

(ELEMENTARY EDUCATION)

SESSION 2005-2006

то

BARKATULLAH UNIVERSITY, BHOPAL

Supervised by: Dr. KHEM RAJ SHARMA Reader in Education RIE, Bhopal Submitted by: SUNEELA CHOUBE M.Ed. (Ele. Edu.)



REGIONAL INSTITUTE OF EDUCATION

(A Constituent Unit of National Council of Educational Research and Training, New Delhi) Shyamla Hills, Bhopal (M.P.)

<u>DECLARATION</u>

I do hereby declare that this study entitled "A Study of the Effect of Remedial Teaching on Achievement of Class VII Students in General Science" has been undertaken by me in the partial fulfillment of the Requirement for the *Degree of Master of Education* (Elementary Education). I have completed this piece of research work under the guidance of *Dr. Khem Raj Sharma*, Reader in education, Regional Institute of Education, Bhopal.

I further declare that this dissertation has not been submitted earlier by me or by others for any degree either in the Barkatullah University or any other university.

Place : Bhopal Date : 10-04-06 Suneela Choube M. Ed (Ele. Edu.) R.I.E., Bhopal

<u>CERTIFICATE</u>

This is to certify that *Miss Suneela Choube*, a student of M.Ed. (Elementary Education) Course in the year 2005-06 of Regional Institute of Education, Bhopal has worked under my guidance. Her dissertation "A Study of the Effect of Remedial Teaching on Achievement of Class VII Students, General Science" is original and worthy of presentation in partial fulfillment of the requirement of *Degree of Master of Education (Ele. Edu.)* of Barkatullah University, Bhopal (M.P.). The present study is an outcome of her sincere research efforts.

Place : Bhopal Date : 10-04-06 Aman.

Dr. KHEM RAJ SHARMA Reader in Education Regional Institute of Education, Bhopal

<u>ACKNOWLEDGEMENT</u>

I wish to express my deep appreciation and sincere gratitude to my supervisor, *Dr. Khem Raj Sharma*, Reader in Education, for his valuable advise, smooth and timely guidance throughout the progress of this study. His clarity of thoughts and concepts, sharp understanding, sympathetic nature encouragement and devotion to the work were great help to me. His intellactual suggestions and creative ideas helped me to complete this work successfully. I am highly indebted to him for his suggestions that enable me to overcome the obstacles encountered during the work.

I express my indebtedness to Honorable Prof. M. Sen Gupta, Principal, Regional Institute of Education, Bhopal and Prof. \bigvee . G₁. Jachao, Dean of Instruction, RIE, Bhopal for providing, suitable environment and facilities in the institute for conducting this research work. I owe a debt to Dr. S. K. Gupta, Head, Department of Education, RIE, Bhopal for his valuable guidance and suggestions in the completion of this work.

Specially, I am grateful to *Dr U. Laxminarayan*, Reader, RIE, Bhopal for his help and cooperation.

I wish to express my gratitude to *Dr. (Mrs.) Reeta Sharma*, Reader in Botany, RIE, Bhopal for sparing her valuable time whenever I approached her with the request.

I am grateful to all the faculty member (teaching and nonteaching) of department of education, RIE, Bhopal for their affectionate care in the completion of this study. My sincere thanks to all of them. I am also aware of the fact that the work would not have been completed without the help and active support from RIE Library staff. I am thankful to Librarian *Mr. P. K. Tripathi* and his staff for extending the library facilities during my research work.

I often discussed the problem with my colleagues and friends. I am thankful to all of them for sharing their time with me.

Once again I offer my sincere gratitute to *Dr. Khem Raj Sharma* for all pains he had taken for me.

Last but not the least, the whole credit goes to the Almighty, my parents, and beloved sister, who have been encouraging me in every walk of life through out the years.

Place : Bhopal Date : 10-04-06

Sunéela Choube

M. Ed. (Ele. Edu.)

INDEX

S. No.	CONTENT	PAGE No.
	CHAPTER - 1 INTRODUCTION	1-18
1.1	Introduction	1
1.2	Science Education and NPE	2
1.3	Meaning of Remedial Education	5
1.4	Importance of Remedial Programme	6
1.5	Need of the study	15
1.6	Statement of the problem	15
1.7	Operational definition of the terms used.	16
1.8 r	Objectives of the study	16
1.9	Hypothesis	17
1.10	Significance of the problem	18
1.11	Delimitations of the study	18

	CHAPTER- 2 REVIEW OF THE RELATED	19-25
	LITERATURE	
2.1	Introduction	19
2.2	Importance of Review of Related Literature	19
2.3	Related studies	20

	CHAPTER- 3 RESEARCH METHODOLOGY	26-35
3.1	Introduction	26
3.2	Design of the study	26
3.3	Variables	27
3.4	Sampling	28
3.5	Tools	29

3.5.1	Diagnostic test / Achievement test	30
3.5.2	Pilot testing of the tool	31
3.5.3	Administration of the tool	32
3.6	Treatment	33
3.7	Data collection	34
3.8	Statistics used	34
3.9	Summary	35

	CHAPTER-4 DATA	PRESENTATION	36-50
	ANALYSIS AND INTERF	PRETATION	
4.1	Introduction		36
4.2	Testing of Hypothesis		39
4.3	Graphical representation of	data	47

	CHAPTER-5 SUMMARY	AND	51-59
	CONCLUSIONS		
5.1	Introduction		51
5.2	Statement of the problem		52
5.3	Variables		52
5.4	Objectives		53
5.5	Hypothesis		53
5.6	Delimitations of the study		54
5.7	Sample		54
5.8	Research tool		54
5.9	Statistics used		55
5.10	Findings		55
5.11	Conclusion and Recommendations		57
5.12	Educational Implications		58

5.13	Recommendations for further study	58
	BIBLIOGRAPHY	60-61
	ANNEXURES	62-79
1	Pre test	62
2	Post test	66
2	Scoring key	70
3	Remedial programme	72

LIST OF TABLES

S. No.	Name of the table	PAGE No.
1.	Characteristics of Research design (3.1)	27
2.	Sample of the study (3.2)	29
3.	Types, Number and marks of questions given in the test (3.3)	31
4.	Details of pretest and post test treatment (3.4)	34
5.	Tabular from score which the researcher have collected from Class VII students (4.1)	37
6.	Mean difference between Pre- test and post test (4.2.1)	39
7.	'T' value of study of girls achievement in general science (4.2.2)	41
8.	'T' value of study of boys achievement in general science (4.2.3)	41
9.	Mean score of difference of pre test and post test of girls and boys (4.2.4)	42
10.	Mean score of students achievement related to the concept of digestive system (4.2.5)	43
11.	Mean score of students achievement related to the concept of respiratory system (4.2.6)	45
12.	Mean score of students achievement related to the concept of circulatory system (4.2.7)	45
13	Mean score of students achievement related to the concept of excretory system (4.2.8)	46
14.	Minimum and maximum marks of pretest and post test (4.3.1)	47 - •
15.	Achievement of students of different levels in pretest and post test (4.3.2)S	48

LIST OF GRAPHS

S. No.	Name of Graph	PAGE No.
1.	Graphical representation of score obtained in	39
	different competencies	
2.	Graph showing mean score of pretest and post test.	40
3.	Maximum and minimum frequency level of marks	47
	of pre test and post test.	
4.	Graphical representation of girls/ boys achievement	48
	in general science.	
5.	Number of students and their pretest achievement	49
	level.	
6.	Number of students and their post test achievement	49
	level.	