"Study of Ciassroom Environment and Achievement in Science of Grade VIIII Students"

DISSERTATION

Submitted in Partial Fulfillment of the Requirement for the Degree

MASTER OF EDUCATION (Elementary Education)

SESSION: 2005-2016

TO

BARKATULLAH UNIVERSITY, BHOPAL



Supervised by:

Dr. K. K. Khare Rector in Education RIE, Bhopai Submitted by:

Venu Verma M.Ed. (Ele. Edu.) RIE, Bhopai

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

"Study of Classroom Environment and Achievement in Science of Grade VIII Students"

D - 217

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. K. K. Khare Reader in Education RIE, Bhopal

7

Submitted by: Venu Verma M. Ed. (Ele. Edu.) RIE, Bhopal

REGIONAL INSTITUTE OF EDUCATION

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

CERTIFICATE

This is to certify that Miss Venu Verma, a student of M.Ed. (Elementary Education) course, of Regional Institute of Education, Bhopal in the year 2005-06 has worked under my guidance. Her dissertation "Study of Classroom Environment and Achievement in Science of Grade VIII Students", is original and worthy of presentation in partial fulfillment of degree of Master of Education (Ele. Edu.) of Barkatullah University, Bhopal (M.P.). The present study is an outcome of her sincere efforts.

Place: Bhopal

Date: 10 April, 2006

Dr. K.K. KhareReader in Education

Regional Institute of

Education

ACKNOWLEDGEMENT

I take this opportunity to express my gratitude to my guide **Dr.K.K. Khare** who helped in execution of this study. I thank him for valuable advice, continuous help, inspiring guidance and encouragement in the completion of the study. I owe gratitude and regards for his generosity.

I am indebted to **Prof. M. Sen Gupta Sir,** Principal, **Prof. V.G. Jadhav,** Dean of instruction, **Dr S.K. Gupta,** Head of the Education Department, **Dr. K.R. Sharma** M.Ed. in charge, RIE, Bhopal, for their inspiring co-operation and for providing enough learning facilities, educational environment in a campus.

I extend my gratitude to all the Faculty members of the Department of Education RIE Bhopal for their affectionate care in completion of this study, my sincere thanks to all of them.

I equally thank to **Dr.U.Laxminarayana** Sir, for helping me in statistical analysis of this study. I am grateful to **Shri P.K. Tripathi** Sir Librarian, RIE, Bhopal and all other library staff members for extending library facilities and helping in locating reference materials.

I am also thankful to the Heads, Teachers and Students of the institute, who were kind enough to offer me full co-operation in collection of an adequate and precise data.

I also thank my all classmates who remained as a source of inspiration to me at all the time, without whom I could not get accelerated time to time for completion of this work.

Above all I owe my sincere gratitude to my beloved Parents for being perennial source of inspiration to me.

Place: Bhopal Date: 10-04-06

40

\$

Venu Verma M.Ed.(Ele. Edu.) R.I.E. Bhopal

CONTENT

Ť

12.

	Chap	ter No. Name of the chapter	Page No.
	I	INTRODUCTION	1-15
	1.1	Introduction	
	1.2	Concept of Classroom Environment	
	1.3	Elements of Classroom	
	1.4	Aspects of Classroom Environment	
	1.5	Assessment of Classroom Environment	
٠	1.6	Achievement	
	1.7	Researches on Achievement	
	1.8	Need and Significance of the Study	
	1.9	Statement of the Problem	
	1.10	Objectives of the Study	
	1.11	Hypotheses of the Study	
	1.12	Delimitations of the Study	
٠	II	REVIEW OF RELATED LITERATURE	16-23
	2.1	Introduction	
	2.2	Purpose of the Review	
	2.3	Review of Related Literature	
	2.4	Summary	
•	III	METHODOLOGY	24-30
	3.1	Introduction	
	3.2	Sampling	

3.3	Variables	
3.4	Tools and Techniques	
3.5	Administration of Tools	
3.6	Scoring	
3.7	Statistical Techniques used	
IV	PRESENTATION, ANALYSIS AND	31-51
	INTERPRETATION OF DATA	
4.1	Introduction	
4.2	Data Presentation, Analysis and Interpretation	
4.3	Descriptive Analysis	
4.4	Testing of Hypotheses	
V	SUMMARY, CONCLUSIONS AND	52-55
V	SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	52-55
V 5.1		52-55
	RECOMMENDATIONS	52-55
5.1 5.2	RECOMMENDATIONS Introduction	52-55
5.1 5.2	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study	52-55
5.15.25.35.4	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study	52-55
5.15.25.35.45.5	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study Recommendations for Implementation	52-55
5.1 5.2 5.3 5.4 5.5 Bibl	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study Recommendations for Implementation Recommendation for Further Research	52-55
5.1 5.2 5.3 5.4 5.5 Bibl App	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study Recommendations for Implementation Recommendation for Further Research iography	52-55
5.15.25.35.45.5BiblAppApp	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study Recommendations for Implementation Recommendation for Further Research iography endices	52-55
 5.1 5.2 5.3 5.4 5.5 Bibl App App App 	RECOMMENDATIONS Introduction Major Findings of the Study Conclusions of the Study Recommendations for Implementation Recommendation for Further Research iography endices endix (1) Science Achievement Test	52-55

4

R

List of Tables

7

Ŕ

*

Ź.

Name of Table S Number Page No. of Table No. Section wise distribution of boys and girls. 25 1. 3.2.1 Distribution of items and their weight age. 3.4.1 27 2. 4.3.1 Distribution of scores in science achievement 32 3. test Distribution of classroom environment scores. 4.3.2 35 4. 4.3.3 5. Distribution of scores in Half Yearly Exam. 37 40 6. 4.3.4 Distribution of statements in components. Frequency of activities. 7. 4.3.5 41 8. 4.3.6 42 Percentage frequency. Relationship between classroom environment 9. 4.4.1 43 and performances of students in science achievement test. Relationship of classroom environment and 4.4.2 45 10. performances of students in Half Yearly Exams. Mean difference between achievement of boys 46 4.4.3 11. and girls in science. 4.4.4 Mean difference of students' performance in 47 12. science achievement test and Half Yearly Exam. Mean difference of perception of boys and girls 13. 4.4.5 49 about classroom environment. Mean difference of perceptions of high 4.4.6 50 14. achievers and low achievers about classroom environment.

List of Graphs

S	Number of	Name of Graph	Page
No.	Graph		No.
1.	4.3.1	Graph between number of students and scores in science achievement test.	33
2.	4.3.2	Graph between number of students and classroom environment score.	36
3.	4.3.3	Graph between number of students and achievement in Half Yearly Exams.	38

7

ينشخ

¥-