



Chapter-3

Design of the Research

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3.1 Introduction

The purpose of the educational research cannot be completed without a detailed design of investigation. This is to be considered as the heart and soul of the investigation. In fact it is the blue print of the detailed procedure of testing hypothesis and analysing the obtained data.

According to Tuckman (1978)

"A research design is a specification of operations for the testing of hypothesis under a given set of conditions".

The purpose of the present study is to develop supplementary materials for grade VI, particularly in the area of articles, determiners and prepositions. and to know the impact of materials on learning English more particularly in the areas of article, determiners and preposition, by using it in the class-room teaching learning process.

3.2 Objective of the study

- (i) To find-out the impact of supplementary materials on the learning of english in terms of the articles, determiners and prepositions.

3.3 Variables :

The Dependent Variable
Learning English

Independent Variable :
The supplementary materials,



3.4 Sample

Forty English medium students have been taken from Kamla Nehru Public Higher Secondary School in the city of Bhopal. The students were of class VI.

3.5 Hypothesis

The Supplementary materials used would increase the learning of English among the students of class VI, in the areas of articles, determines and prepositions.

3.6 Description of the Tool used

In the present study the tests were developed by the investigator. While developing the tests instruction given by Goodman (1972) were taken into consideration by the investigator. These tests are referred to as (a) Pretest, and (b) Post-test.

To test the validity and reliability of the pre-test, the test was first used on some learners of grade VI of Kamla Nehru Public Higher Secondary School. Later on with the help of some experts (Dr. Manoj Mishra, reader in English R.I.E., Bhopal and Mrs. S.N. Ali, Lecturer E.L.T.I. Bhopal). the items which were not appropriate to the linguistic ability of the students were deleted. Few items, which were useful to test the knowledge of the students in particular area, added. In all 30 multiple choice test items (questions) were developed, and 30 minutes was the time limitation for the test. To test the validity and reliability of the post-test similar kind of procedure was adopted. The post test was parallel to pre-test, and the difficulty level of the post test was the same. Number of questions were 30 and time limits was 30 minutes.



3.7 Procedure of the study

The study took place in four phases:

First phase:

In this phase the investigator selected the school and the standard (grade VI), after discussing with the teacher concerned and students of grade VI. During the discussion they expressed that students are weak in using the articles, determiners and prepositions in English. Then investigator selected this learning areas for investigation.

Second Phase :

The investigator himself developed a pre-test containing 30 questions, aims to test the knowledge of students in the articles, determiners and prepositions.

Third Phase :

On the basis of pre-test, supplementary materials were prepared by the investigator. The supplementary materials includes pictures, language games, life like situation and exercises. The materials prepared were used in class room teaching. The investigator taught the students of class VI for two weeks.

Fourth Phase :

The post-test was administered, to know the impact of the supplementary materials used.

3.8 Statistics Used

In the present study descriptive statistics have been used in the forms of mean, standard deviation, correlation, and standard error of mean. The inferential statistics in the form of correlated 't' has been used to analyse the finding.



3.9 Delimitations

Every research work has some delimitations and delimitations of this study are:

- (1) Studied the learning of English, only in the areas of articles, determiners and prepositions.
- (2) Selected the students of one school 'Kamla Nehru Public Higher Secondary School' in the Bhopal city.
- (3) Gender differences in learning the articles, determiners and prepositions, have not been investigated.

