Method and Procedure of the Study
CHAPTER III

METHOD AND PROCEDURE OF THE STUDY

In the preceding chapter, the origin of the problem, objectives and the development of the tools were discussed. The present chapter is devoted to the method of the study. It deals with the design, sample, list of the tools, the procedure of the study and scoring of the tools.

3.1 Design of the Study

For the purpose of the present investigation, the process of curriculum implementation was studied as perceived by the school administrators, teachers and students. The school efficiency was studied separately for different levels of schools only after implementation of the new curriculum. A detailed questionnaire for the process of curriculum implementation, problems of the efficiency impact and implementation, and suggestions for improvement was administered to school functionaries. It was a survey type of investigation.

3.2 Sample

During the academic session 1992, 42 schools were randomly selected from the population of the secondary schools of the Educational Region-I falling in the jurisdiction of the Department of Secondary Education,
Ministry of Education in Thailand.

The data were collected on 42 school administrators, 380 teachers who are teaching in different subjects and 420 eighth grade students, taking 10 students from different subject areas in each school.

The sample has been presented in the Table 3.1.

Table 3.1

Table Showing the Sample Administrators, Teachers and Students in Educational Region - I.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Number of Sample Groups</th>
<th>Size of Schools</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Large</td>
<td>Medium</td>
</tr>
<tr>
<td>1.</td>
<td>Administrators</td>
<td>17</td>
<td>12</td>
</tr>
<tr>
<td>2.</td>
<td>Teachers</td>
<td>155</td>
<td>108</td>
</tr>
<tr>
<td>3.</td>
<td>Students</td>
<td>170</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>342</td>
<td>240</td>
</tr>
</tbody>
</table>

3.2.1 The school administrators comprise of the Director, Assistant Director, Principal and Assistant Principal in the secondary schools of the Educational Region-I.

3.2.2 The term teacher is used for those teachers who are teaching the following subjects:
3.2.3 The students comprise of the persons who are studying in eighth grade of the government secondary school in the Educational Region-I academic year 1992.

3.2.4 The government secondary schools comprise of 84 government secondary schools of the Department of Secondary Education, Ministry of Education in the Educational Region-I covering 5 provinces: Nakhonpathom, Nonthaburi, Pathumthani, Samutprakan and Samutsakhon provinces.

3.3. Tools Used

The tool used for the present study was an assembly of interview schedules and questionnaires constructed by Mallika (1988) to follow-up study of the implementation of the B.E. 2521 lower secondary school curriculum in private schools in Bangkok Metropolis. The researcher used this tool to study the process and problems of lower secondary
school curriculum B.E. 2521 (Revised Version 1990) as perceived by the school administrators, teachers and students of the secondary school. The questionnaires were designed for the 3-groups of administrators, teachers and the students.

3.3.1 Interview Schedule (for Administrators)

It was divided into two parts: First part consisted of bio-data and second part contained questions regarding the lower secondary school curriculum B.E. 2521 (Revised Version 1990) comprising of 48 items of check-list and fill in the blank type.

3.3.2 Teacher Questionnaire

The tool consisted of 5-sections as per details given in the Chapter - 2.

3.3.3 Student Questionnaire

The tools consist of 3-sections as per details given in Chapter - 2.

3.4 School-Efficiency Scale

The tools consisted of 5-sections as per details given in the Chapter - 2.
3.5 Procedure of the Study

In the beginning of the study, researcher obtained the official permission from the General Director of the secondary school, Department of Secondary Education. The 842 copies of the interview schedules for the administrator, teacher questionnaire and student questionnaire along with the forwarding letter from the said director were by mail to the 42 schools selected as per the sample in the Educational Region-I. The researcher started to collect the data on 1st July in the academic year of 1992. Out of 84 government secondary schools, 42 schools were randomly selected. Out of these 42 schools, 42 administrators, 380 teachers at the rate of 9 teachers per school from different subjects areas were selected. There were 420 students taken 10 from each one of the 42 schools. The nine teachers represented both the compulsory and elective subjects. The questionnaire for administrators, teachers and students along with the interview schedules were mailed. After the lapse of some time which was required in filling up and mailing the completed tools back, the investigator visited the schools and contacted the subjects. The investigator collected the tools not mailed by them and conducted the interviews with the officers selected for data collection. The process continued till 30th September, 1992.
3.6 Scoring of the Data

The scoring of the data in the present study was done with the help of scoring keys given in appendices - A. The details of the scoring procedure is enclosed with each tool discussed in Chapter - 2.

3.7 Statistical Techniques Employed

After scoring the tools, suitable statistical techniques were used to analyse the data. The statistical techniques employed were as follows:

- The computation of frequencies and their percentages.
- The analysis of variance (1-way ANOVA)
- The t-ratio
- The $X^2$ values, and
- The coefficient of concordance W.