

Thesis Title	The Development and Implementation of an Instructional Module on the "Soil" for Matthayomsuksa 2 Students.
Name	Jarunee Suebsang
Degree	Master of Education (Environmental Education )
Thesis Supervisory Committee	Waraporn Srisupan, B.Sc.,M.Ed. Boontham Kijpredaborisuthi,B.Sc.,M.Ed. Surasri Chingthin., B.Ed.,M.Ed.
Date of Graduation	4 November B.E. 2534 (1991)

## ABSTRACT

The purposes of this research were to develop and implement an Instructional Module on "Soil", for Mathayomsuksa 2 students. The Research Methodology is devided into 3 steps, to construct, develop and try out an Instructional Module with two groups of students devided as 30 students in controlled group and 30 students in experimental group at Buached Withaya School, Surin Province by using the Pre test-Post test Control Group design.

The results were as follow:

1. The efficiency of an Instructional Module on "Soil" for Mathayomsuksa 2 is  $96.12/94.66$  which was more than the standard criterion  $90/90$ .
2. The pretests of the two group students were not significantly different at the 0.05 level.
3. The posttests of the two group students were significantly different at the 0.05 level.
4. The pretests and posttests of the experimental group were significantly different at the 0.05 level.

In addition, it was found that the students who studied in an Instructional Module on "Soil" were more interested and enthusiastic in their studies than in the regular teaching.