Somjit Pipitthakun 2012: A Study of Problem Solving Ability and Learning Achievement in Science of Mathayomsuksa 3 Student on the Topic "Ecosystem" Using Science Learning Packages. Master of Education (Science Education), Major Field: Science Education Department of Education. Thesis Advisor: Associate Professor Sunan Sung-ong, Ph.D. 232 pages.

The purposes of this research were 1) to develop Science learning packages using the standardized criterion 80/80 2) to study the problem solving ability and learning achievement in Science of mathayomsuksa 3 student on the topic "Ecosystem" using Science learning packages and 3) to explore opinions of students after learning from Science learning packages.

The samples were 28 mathayomsuksa 3 students from the school under the office of secondary service area 3. They were selected by purposive sampling. The instruments were the problem solving ability test, learning achievement in science test and questionnaire about their opinions on learning from science learning packages. The data were statistically analyzed by using t-test dependent sample, mean ($\overline{X}$) and standard deviation (S.D.).

The results of this research revealed that 1) the efficiency of Science learning packages was 85.23/82.14 higher than 80/80 criteria. 2) problem solving ability and learning achievement in Science of mathayomsuksa 3 student after learning from Science learning packages was statistically higher than before learning at .05 level of significant and 3) students' opinion mean score after learning from Science learning packages was 4.23 which was at agreeable level.

		/ /
Student's signature	Thesis Advisor's signature	