

Abstract of the Project

In response to the request of Lao government, Ministry of Education and JICA agreed with the implementation of ITSME project in order to strengthen the in-service teacher training, especially science and mathematics education, at school level.

Project Objective

Quality of teaching method of science and mathematics in target schools is improved

Period of the project

From February 2010 to October 2013

Map of the target area



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Project for Improving In-service Teacher Training for Science and Mathematics Education (ITSME)



Ministry of Education
&
Japan International Cooperation Agency

Specific change on lesson in the future

Easy to understand and enjoyable lesson

Teacher will be able to:

- clearly master the subject contents of the topic of the day.
- concretely grasp what students have already known and mastered.
- imagine how students change their leaning abilities through the lessons.
- intentionally set a specific occasion to make students' preferable changes.
- set an activity to invite students' positive participations.
- put some clues in the activity to help students solve the problems independently.
- make use of teaching materials properly and effectively.
- pay special attention to safety, stability and accuracy of the experiment.
- accept the differences in mastery level among the children.
- put much weight on the process of solution rather than the answer of the students.
- put above mentioned ideas into a specific lesson plan. and so on.

Students will be able to:

- actively participate in their activities.
- have their own ideas.
- cultivate their creativity.
- listen to other students' opinions.
- solve the problem by themselves.
- realize the joy of studying.
- attain how to learn.

Lesson plans will have:

- three factors, which are objective, activity and evaluation, are coherent.



Project Activities

The project strengthens three aspects, of school-based training (SBT), which are management, human resources and teaching materials, in order to improve teaching profession continuously. Especially, the project focuses on improving personnel as ITSME trainers, lecturers of Teacher Training Colleges and Pedagogical Advisors at Provincial and District level, who will lead the science and mathematics education.

Nurture of trainers

Workshop

Through the workshop, the project improves the capability of trainers for reinforcements of SBT.

- mastery of lesson planning through the effective practices.
- improvement of their understanding on science and mathematics contents.
- planning and management skills of the workshops for principals and academic teachers.
- making training manual and the implementation of in-service training.
- establishment of the monitoring method for in-service training.
- assistance of making standards for the evaluation on lesson observation.

Training in Japan

Counterparts attain the way for improving the teacher training in Lao from the teacher training and the lesson practice in Japan.

- lesson observation in schools
- discussion with a Textbook publishing company and Board of Education in Kawaguchi city.
- visiting the facilities such as science museum.



Practice and Improvement

Through the following activities, model lesson plans made in workshop have been improved.

- teaching practice in demo lesson by using the model lesson plan.
- discussion with principals and academic teachers in terms of the quality of model lesson plans.