This training program gives opportunity to make lesson plans applying child-centered and problem solving approach as well as to develop simple science experiment using accessible materials. This training program also aims to improve teaching ability on elementary school science by site visit in the field of education, and by practice of demonstrating model class.

**Objective/Outcome**

Method of teaching science with lesson plan applying child-centered and problem solving approach and simple experiment is shared in the target organization.

**Objective**

1. To understand current science education in Japanese elementary school and consider how to apply Japanese method to their own country.
2. To experience and understand wide variety of experiments, observation and handcraft for elementary school science and apply to their own classes.
3. To be able to make a lesson plan which is appropriate for students' learning stage and includes basic elements such as objective, process and class evaluation.

**Target Organization / Group**

Training institution for science teacher in elementary school

**Target Group**

1. Have knowledge on curriculum development, teaching methodology and national policy on primary science education
2. Have more than 5 years experience as a teacher instructor
3. Be involved in simple science experiment development and dissemination

**Contents**

**Preliminary Phase**

Submission of report on the current state and the issues regarding science education

**Core Phase**

1. Introduction of education system in Japan and Child-Centered approach, (2)Site visit to schools and various museums, (3)Observation of training of teacher
2. Introduction and development of simple science experiment on physics, chemistry, biology and geology by using accessible materials
3. (1)Making lesson plans, (2)Demonstrating model class.

**Finalization Phase**

1. Sharing of the knowledge and skills acquired in Japan (including lesson plan and simple science experiments)
2. Submission of report on participant’s activity in home country

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