

How to read the Program Outline

Practice of Science Education for Secondary School ※ 1 中等科学教育実技		※ 2 GROUP 0980004
Target Countries: Anglophone Countries in Africa ※ 8		※ 5 Education—Lower Secondary Education ※ 6 Education—Upper Secondary Education 8 participants ※ 7 English
OBJECTIVE ※ 9 <Outcome> This program aims to enhance the capacity of the participants in developing teaching materials effectively through learning the system of science education in Japan and acquiring the techniques for experiments and observation on physics, chemistry, biology and earth science. <Outputs> (1) Learn the system and practical teaching/ learning methodology of Science Education in Japan. (2) Acquire the techniques for experiments and observation as well as the ways of developing and introducing effective teaching materials. (3) Learn the science education conducted at secondary schools and the current situation of informal science education in Japan (4) Learn how to design a science education program effectively and practically by making use of the knowledge and techniques acquired through this program.	TARGET ORGANIZATION / GROUP ※ 11 (1) Those engaged in teaching science at a secondary school or in-service teacher training (INSET) of secondary science education (2) Have over 3 years of experience in the above field *Administrators, researchers, and math teachers are discouraged to join.	
CONTENTS ※ 10 One of the main issues of science education in developing countries is that most of the classes are done in the chalk & talk style, which puts children off science. Hiroshima University has noteworthy results for teacher education in Japan as well as for international educational cooperation. This program mainly consists of the following programs. In program (2), each participant will experience four major fields of science education in Japan (physics, chemistry, biology and earth science) in order to acquire comprehensive viewpoints. In program (3), according to the preferences of participants, each participant will choose two of five fields from: physics, chemistry, biology, earth science and science education. The content of the program will be decided after discussion with the instructors in charge. (1) Outline of science education in Japan (2) Science experiments and observation (3) Training in specialized field (4) School visits (class observation) (5) Study tours	PROGRAM PERIOD Aug.4.2009 ~ Sep.27.2009 ※ 12 IMPLEMENTING PARTNER Graduate School of Education, Hiroshima University ※ 13 JICA CENTER JICA Chugoku ※ 14 COOPERATION PERIOD 2005~2009 ※ 15 REMARKS ※ 16 This program has the experience for over 15 years.	

***1 PROGRAM TITLE (English/Japanese)**

***2 Types of Training**

There are three types of Training and Dialogue Programs, Group, Region-Focused, and Long Term.

***3 Standard Category**

JICA has classified Group and Region-Focused Training Programs into four standard categories as shown below, in order to clarify the objectives of the Group and Region-Focused Training Programs.

***4 PROGRAM NUMBER**

***5 GLOBAL ISSUES (SECTOR / SUB-SECTOR)**

When a program covers multiple sectors, the program title appears in each category in the table of contents at the front page, so as to encourage participation from wider range of organizations.

***5 CAPACITY**

Number of participants for each program.

***6 LANGUAGE**

Generally English to promote accessibility to all countries.

***7 TARGET COUNTRIES**

In the case of programs which require the participating countries to fulfill certain conditions such as geographical conditions, social circumstances, or representation in international conventions or bodies, the condition is shown here.

***8 OBJECTIVE**

The objective which should be achieved by participants and/or participating organizations following completion of the program.

***10 CONTENTS**

Description of the program in terms of issues and forms (i.e., lecture, practice, discussion etc).

In some cases, <Preparatory Phase> or <Post- program Activities> may be included as a part of the overall program.

<Preparatory Phase>

Activities which should be performed by participants / participating organizations prior to the visit to Japan (e.g. preparation seminar, research, report writing etc).

<Post-program Activities>

Activities which should be performed in the home country following completion of the Program in Japan, so as to diffuse outputs of the program from individual participants to the participating organization or society of recipient country (e.g. implementation of Action Plan, submission of Final Report etc).

***11 TARGET ORGANIZATIONS / TARGET GROUP**

[Target Organizations] indicates the type of organization targeted by the program.

[Target Group] shows specific qualifications / requirements of participants.

***12 PROGRAM PERIOD**

Total period spent in Japan from arrival to departure. (NB: Subject to change)

***13 IMPLEMENTING PARTNER**

Organizations primarily responsible for implementation of the program.

***14 JICA CENTER**

JICA domestic center responsible for management of the program.

***15 COOPERATION PERIOD**

Fiscal years in which the program will be provided (normally 5 years).

***16 REMARKS**

Other information relevant to the program, such as the background, details of partner organization and bodies, qualifications / academic degrees available to participants etc. are provided here.

***17** ★ mark is shown to indicate the availability for the training programs which can be implemented several times