



Knowledge Co-Creation Program (Young Leaders) (Malaysia)

GENERAL INFORMATION ON

Course Title: Science and Mathematics in Basic Education Course

初中等理数科教育コース

Course No.: J1740046

Project No.: 1798114

Course Period in Japan: January 28, 2018–February 14, 2018

This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

'JICA Knowledge Co-Creation Program (KCCP)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that *"In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together."* We believe that this 'Knowledge Co-Creation Program' will serve as a center of mutual learning process.

I. Concept

1. Knowledge Co-Creation Program (Young Leaders)

The “Knowledge Co-Creation Program (Young Leaders)” is conducted by JICA (the Japan International Cooperation Agency) under a technical cooperation scheme of the Government of Japan, with the purpose of promoting human resource development in developing countries.

Under the program, young leaders, who will become nation-building leaders in the future, are invited to Japan for 18 days to be provided with opportunities to:

- 1) develop their specialties through experiencing and learning technologies and skills in Japan, and
- 2) increase their willingness to resolve issues on their own

II. Description

1. **Title (J-No.): Science and Mathematics in Basic Education Course (J1740046)**

2. **Course Period in JAPAN:** January 28, 2018–February 14, 2018

3. **Target Regions or Countries:**Malaysia

4. **Target Group**

- Science and Mathematics Teachers in Basic Education.
- Government officers engaged with science and mathematics in Basic Education.
- Persons concerned with JICA project are recommended. Because, this training course is arranged by necessary consideration for good collaboration with Technical Cooperation by JICA, in the field of Basic Education for Science and Mathematics.

5. **Number of Participants** : 15 participants

6. **Language to be used in this program:** English

7. **Course Objective:**

Through participation in this program, the participants are expected:

- (1) To know the outline of measures on Science and Mathematics in Basic Education in Japan.
- (2) To understand about the method and education system of Science and Mathematics in Basic Education in Japan.
- (3) To acquire any key issues to improve Science and Mathematics in Basic Education system in each work place, and their skills and efforts of school and classroom management.
- (4) To formulate action plan which will be carried out after coming back to each work place.

8. Course Outline:

This program consists of the following components.

| |
|---|
| <p>(1) Lectures and discussions</p> <p>a) Overview of the local policies and system for Science and Mathematics in Basic Education in Japan</p> <p>b) Roles and activities of various educational science institutions for Science and Mathematics in Basic Education in Japan</p> <p>c) Practical methods on Science and Mathematics in Basic Education in Japan</p> |
| <p>(2) Field visits</p> <p>Institutions relating to Science and Mathematics in Basic Education such as an elementary school, junior high school, high school, collage for being a teacher and museums. (in each place you will have Q&A session.)</p> |
| <p>(3) Exchange with Japanese citizens in Fukuoka to understand the education of children at home</p> |
| <p>(4) Formulation and presentation of action plans</p> |

<Model Schedule of the Program>

| Date | Venue | Contents | Purpose |
|--------------------|--|---|--|
| 28/1/2018 (Sun) | JICA Kyushu International Center (KIC) | Arrival | To learn about the culture, economy, politics, and history of Japan |
| 29/1/2018 (Mon) | | Briefing / Program Orientation | |
| 30/1/2018 (Tue) | | Lectures on “Japanese politics and governance” and “Education in Japan” | |
| 31/1/2018 (Wed) | KIC | - Course orientation - Country report sharing | To grasp issues that participants facing. |
| 1/2/2018 (Thu) | Iizuka city | - Visit a junior high school in Fukuoka. Class observation of science and mathematics. Interact with students. | To develop skills and knowledge about science and math teaching and school management. |
| 2/2/2018 (Fri) | Iizuka city | - Visit an elementary school in Fukuoka. Class observation of science and mathematics. Interact with children and teachers. | |

| | | | |
|--------------------|--------------|--|---|
| 3/2/2018 (Sat) | Fukuoka city | - Home stay Cultural exchange with Fukuoka citizens. | To understand the education for children at home and to understand Japanese culture. |
| 4/2/2018 (Sun) | Fukuoka city | | |
| 5/2/2018 (Mon) | Kumamoto | Training trip to Kumamoto - Observing local facility | To learn about preventing disasters. To learn the importance of “eating”, which is the basis of living. It is also the foundation of education. From the perspective of food, to learn about their own culture. |
| 6/2/2018 (Tue) | Kumamoto | Training trip to Kumamoto - Learn about food education | |
| 7/2/2018 (Wed) | Fukuoka city | - Visit the Fukuoka city science museum | To develop skills and knowledge about science institution as museum that interact children to science. |
| 8/2/2018 (Thu) | Fukuoka city | - Visit a technical high school in Fukuoka city. Class observation. Interact with students. | To develop skills and knowledge about teaching subjects other than regular courses. |
| 9/2/2018 (Fri) | Fukuoka city | - Board of education Lecture. - Review session | To develop knowledge about present situation of education in Japan. |
| 10/2/2018 (Sat) | Fukuoka city | - Visit a teacher institution. Lecture from a Science class specialist. - Exchange program with ex-JICA volunteers. | To develop skills and knowledge about science. To develop knowledge of how JICA volunteers cooperate with local people in Malaysia. |
| 11/2/2018 (Sun) | Fukuoka city | - Self-training day | |
| 12/2/2018 (Mon) | Fukuoka city | - Review session - Action plan making | To confirm knowledge gained through the program To evaluate the overall program |
| 13/2/2018 (Tue) | Fukuoka city | - Action plan presentation - Evaluation meeting - Closing ceremony | |
| 14/2/2018 (Wed) | Fukuoka city | Departure | |

※This program is tentative and the schedule is subject to change without notice.

III. Conditions and Procedures for Application

1. Nominee Qualifications:

Applying Organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

All applicants must:

- 1) Be nominated by the Government of Malaysia in line with the procedures mentioned in 3.(1) below.
- 2) Experience in the relevant field: be involved in a field corresponding to the course mentioned in II. Description.
- 3) Age: be from twenty (20) to thirty-five (35) years of age and be expected to become leaders in their specialized fields in the future.
- 4) Language: have a reasonable command of English and good command of spoken and written English.
- 5) Health: be in good health, both physically and mentally, to participate in the Program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

(2) Recommendable Qualifications

Expectations for the Participants: not have made any previous visits to Japan

2. Required Documents for Application

(1) Application Form: The Application Form is available at **the JICA office (or the Embassy of Japan)**.

(2) Photocopy of passport: to be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire date.

(3) Country Report : Country Report on the main issues concerning the targeted field in his/her country to be submitted. Detailed information is provided in the ANNEX.

Please mention; what type of work you currently doing, difficulties or issues of teaching math and science lessons in your schools, the goal you would like to acquire through this training.

3. Procedures for Application and Selection :

(1) Submission of the Application Documents:

The Government of each country will take the necessary measures to nominate appropriate applicants for the program, and will forward to the JICA office (or the Embassy of Japan) one (1) copy of the specified Application Form for each applicant.

Closing date for applications: **Please inquire to the JICA office (or the Embassy of Japan).**

After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Center in JAPAN by November 28, 2017.**

(2) Selection:

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. *The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.* Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(3) Notice of Acceptance

Notification of results will be made by the JICA office (or the Embassy of Japan) **not later than December 20, 2017.**

4. Conditions for Attendance:

- (1)** to strictly adhere to the program schedule.
- (2)** not to change the program topics.
- (3)** not to extend the period of stay in Japan.
- (4)** not to be accompanied by family members during the program.
- (5)** to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6)** to refrain from engaging in any political activities, or any form of employment for profit or gain.
- (7)** to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation.
- (8)** to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** JICA KYUSHU

(2) **Contact:** Partnership Program Division (kictpp@jica.go.jp)

2. Implementing Partner:

(1) **Name:** Kyushu International Cooperative Association, Japan
(NPO Kyushu)

(2) **URL:** <http://www.npo-kyushu.or.jp/>

(3) **Remark:** Hello young teachers from Malaysia. This is conductor NPO Kyushu. We will be waiting for you to come to develop your teaching skills of science and mathematics education which leads your country to better future.

3. Travel to Japan:

(1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.

(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan will not be covered.

4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

JICA KYUSHU International Center (JICA KYUSHU)

Address: 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu, Fukuoka, Japan

TEL: 81-93-671-6311 FAX: 81-93-671-0979

(where "81" is the country code for Japan, and "93" is the local area code)

If there is no vacancy at JICA KYUSHU, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL, <https://www.jica.go.jp/kyushu/english/office/c8h0vm0000a0cdx5-att/kyushu01.pdf>

5. Expenses:

The following expenses will be provided for the participants by JICA:

(1) Allowances for accommodation, meals, living expenses, outfit, and shipping

(2) Expenses for study tours (basically in the form of train tickets.)

(3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included)

(4) Expenses for program implementation, including materials

For more details, please see "III. ALLOWANCES" of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given before departure for Japan.

6. Pre-departure Orientation:

A pre-departure orientation will be held at the respective country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, and other matters.

V. Other Information

1. Reports and presentation:

(1) Action Plan Report

Participants are kindly required to write an Action Plan by the end of the training to express ideas and plan, which they carry out after return, reflecting the knowledge and methods that acquire from the training. The report would be sent to the JICA offices in your country. At the presentation, you can use a poster and/or a PC with a projector. (You do not need to bring your own projector.)

(2) Laptop PC

Participants are recommended to bring their own laptops and a USB flash memory with them. They will be useful to take notes, modify reports, and prepare for presentations. A plug adapter is necessary to use electric devices in Japan.

(3)Souvenirs

It is suggested that Participants bring some small souvenirs to give out to home visit families or visiting places such as schools. They should not be expensive but represent your heart.

(4)Something to explain about themselves and the country

Participants are suggested to bring something to introduce their home country and profession, such as pictures, brochures, cultural or traditional clothes etc, they should not be data. *NPO Kyushu cannot print out for them or *There will be no time for participants to present their home country with using laptop and projector.

(5)Performance

In the orientation day, participants will be asked to form a performance with other members of this training, such as dance or songs in the schools they will visit. The performance goes about 5~10mins. It is very welcomed to take leadership to form a performance when participants discuss about it.

(6)Medicine

It is suggested that Participants bring personal medicines if it is needed.

VI. ANNEX:

Country report

Please make sure that your writing fits in one page (A4 size) in English.

- 1) What type of work are you currently doing?
Please briefly explain what department or division you are in and what your job involves.
Examples:
 - * Work for Ministry of the Education as Administrative officer
 - * Work at Public Primary School as a teacher in grade 5.
 - * Work for Private High School as Science Teacher, etc.

- 2) What are the issues encountered through work?
Please write about any issues related to “Science and Mathematics Education” or “school & classroom management” you come up to realize through your work.
Examples:
 - * Difficulties of involving local community for better education
 - * Need assistance on best way to teach students effectively about science and mathematics, etc.

- 3) What would you like to acquire through this training?
Based on the “issues” you have, please write briefly, what you would like to know. The goal you would like to acquire through this training.
Examples:
 - *I would like to know effective methods of education administration in Japan.
 - *I would like to acquire / expertise of practical teaching method of science, etc.

- 4) To conduct the training smoothly, if you have anything to tell in advance, please let us know. This will not disadvantage the selection. We do not use this information other than to do the training smoothly.
Examples:
 - *I don't eat pork/beef/chicken....
 - *Allergy for.....
 - *Disabilities

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

JICA Kyushu International Center (JICA KYUSHU)

Address: 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu 805-8505, Japan

TEL: +81-93-671-6311 FAX: +81-93-671-0979