

Improvement of Basic Calculation Skill 基礎計算力向上		Updated								
<b>Target Countries :</b>										
<b>Course No. :</b> 201984840-J002										
<b>No. :</b> 201984840										
<b>Sector :</b> Education/Primary Education										
<b>Sub-Sector :</b>										
<b>Language :</b> English										
<b>Outline</b>										
<p>Nonetheless the interests of education development shifts from access increment to learning quality, Mathematical and Scientific competencies of primary students are still low in many developing countries compared with international standard. One of the possible reasons would be that students do not master basic calculation skill in early primary education stage.</p> <p>Participants of the training are expected to learn how to make learners master basic calculation skill in primary level, touching upon the Mathematics curriculum, textbooks, lesson practices, on-and-off lesson activities, and teaching materials used in Japanese primary schools .</p>										
<b>Objective/Outcome</b>		<b>Target Organization / Group</b>								
<p><b>【Objective】</b> Participants will learn about Japanese practices to improve basic calculation skills in primary levels. The training is customized for the core members of Mathematics Education in both national and municipal level, e.g., Curriculum Specialists, Inspectors, Teacher Collage Lecturers, etc. Participants are expected to consider remedial plan of further improvement of Basic skills of Primary level Mathematics, and bring into their daily practices after returning to their countries.</p> <p><b>【Outcome】</b> Output1: To be able to understand the essential knowledge to master basic calculation skill, e.g., theoretical concept, composition and decomposition, set theory, addition and subtraction of numbers. Output2: To be able to deepen the understandings of practical method of Mathematics teaching through Output1, and recognize the challenges for calculation skills in each country, through observing Primary Mathematics lessons in Japan. Output3: To propose an action plan that contribute to improve basic calculation skills in Primary Mathematics Education in each participated country.</p>		<p><b>【Target Organization】</b> Ministry of Education, Pre-service Teacher Training Institution, and Education Municipal office</p> <p><b>【Target Group】</b> Expected target groups are as follows. Must have general knowledge and experience of Primary Mathematics Education</p> <ul style="list-style-type: none"> <li>&gt; Technical staffs in the Ministry</li> <li>&gt; Curriculum officers</li> <li>&gt; Municipal level Inspectors</li> <li>&gt; Lecturers in Teacher Training Institution</li> </ul> <p>Target countries are invited in the 1st and 2nd year program. The countries shall be narrowed down in the 3rd year according to the response.</p>								
<b>Contents</b>										
<p>Output1: -Country report (presentation) -Educational system of japan(lecture and exchange workshop) -Curricula (lecture and exchange workshop) -Concept of number, composition and decomposition (lecture) -Set theory (lecture) -Addition and subtraction based on composition and decomposition of number ten (lecture)</p> <p>Output2: -Lessons observation(visit) -Composition and decomposition of number dix (practice) -Addition and subtraction based on composition and decomposition of number ten (practice)</p> <p>Output3: -Analysis on the adoption and adaptation of the acquired knowledge in training to each country (discussion) -Propose an action plan (discussion, presentation)</p>		<table border="1"> <tr> <td style="text-align: center;"><b>Course Period</b></td> <td>2020/1~2020/3</td> </tr> <tr> <td style="text-align: center;"><b>Department in Charge</b></td> <td>Human Development Department</td> </tr> <tr> <td style="text-align: center;"><b>JICA Center</b></td> <td>JICA Kansai (II)</td> </tr> <tr> <td style="text-align: center;"><b>Cooperation Period</b></td> <td>2019~2021</td> </tr> </table>	<b>Course Period</b>	2020/1~2020/3	<b>Department in Charge</b>	Human Development Department	<b>JICA Center</b>	JICA Kansai (II)	<b>Cooperation Period</b>	2019~2021
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<b>Implementing Partner</b>	Under Planning									
<b>Remarks and Website</b>										