

Action Plan

“IMPROVING TEACHING METHODS IN MATHEMATICS” JFY2010

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Country	Tonga
Organization	Ministry of Education Women Affairs and Culture
Position	Teacher

Title	Teaching method approaches
Period	April 2011 to December 2012
Target Location	TIOE
Target Group	Students

NARRATIVE SUMMARY	
<OVERALL GOAL> Improving students learning through problem solving approach, open ended problem and lesson study to improve their grade point average.	
<SPECIFIC OBJECTIVES>(PROJECT PURPOSE) At least 20% of teachers improve their teaching method through lesson study, problem solving approach, and open ended problem.	
<YOUR LEARNING IN JAPAN> 1. How problem solving approach, open ended problem and lesson study are implemented 2. Use of Japanese text books, d-book, and additional motivational mathematic activities. 3. Board writing tips and management	
<OUTPUTS> by applying your learning in Japan>	

Output 1-Developing and implementing lesson study and observation to produce quality teacher
Output 2-Improving teachers teaching skills and knowledge through lesson study.
Output 3-Teachers experience many different mathematics teaching approaches.

<ACTIVITIES>

Output 1- Developing and implementing lesson study and observation to produce quality teacher

Activity 1-1: Inform and introduce lesson study to school principal

Activity 1-2: Principal arrange meeting schedule for overview of lesson study to all teachers

Activity 1-3: Demonstrate how lesson study is implemented

Output 2- Improving teachers teaching skills and knowledge through lesson study.

Activity 2-1: Prepare lesson plan with teachers to be used for demonstration

Activity 2-2: First lesson study is implemented for teachers and principal to observe.

Output 3- Teachers experience many different mathematics teaching approaches.

Activity 3-1-Teachers observe and note the process of lesson study delivery

Activity 3-2-Teachers meet to reflect and discuss the lesson's delivery and approach used and share their views and suggestions for improvements.

Activity 3-3- Teachers collaborate with each other to improve lesson plan and materials preparation.

Plan of Operation

Output	Activities	Expected Results	Time Schedule	Person in charge	Implementers	Materials, equipments	Remarks
Output 1- Developing and implementi ng lesson study and observation to produce quality teacher	Activity 1-1 Inform and introduce lesson study to school principal	1-1 Lesson study is introduced to principal	1 st week of April 2011	Mele & Principal	Mele	Japan Training materials	
	Activity 1-2: Principal arrange meeting schedule for overview of lesson study to all teachers	1-2 Meeting is schedule	1 st week of April 2011	Mele & Principal	Principal	Japan Training materials	
	Activity 1-3 Demonstrate how lesson study is implemented	1-3 Teachers will learn about lesson study	2 nd week of April	Mele	Mele and Principal	Lesson Plan and Check list	

Output	Activities	Expected Results	Time Schedule	Person in charge	Implementers	Materials, equipments	Remarks
Output 2- Improving teachers teaching skills and knowledge through lesson study.	Activity 2-1 Prepare lesson plan with teachers to be used for demonstration	2.1 Lesson plan is prepared by Mele and teachers	3 rd week April	Mele and Pricipal	Mele	Prepared lesson plan and materials	
	Activity 2-2 First lesson study is implemented for teachers and principal to observe.	2.2 Lesson study is implemented through prepared lesson plan	3 rd week of April	Mele and Principal	Mele	Prepared lesson plan and materials and check list	

Output	Activities	Expected Results	Time Schedule	Person in charge	Implementers	Materials, equipments	Remarks
Output 3- Teachers experience many different mathematic teaching approaches.	Activity 3-1 Teachers observe and note the process of lesson study delivery	3.1 Teachers knows how lesson study is implemented	3 rd week of April	Mele	Mele and Principal	Prepared lesson plan and materials and check list	
	Activity 3-2- Teachers meet to reflect and	3.2 Revise the plan to produce	3 rd week of April	Mele, Principal	Mele, Principal	Lesson plan, check list	

	<p>discuss the lesson's delivery and approach used and share their views and suggestions for improvements.</p> <p>Activity 3-3- Teachers collaborate with each other to improve lesson plan and materials preparation.</p>	improved one			and teachers		
		3.3 Better version of plan will be produced and implemented.	4 th week of April	Mele, Principal and teachers	Teachers	Lesson plan, check list	

Note:

1. Cycle will continue after all teachers have taken their turn delivering their improved lesson plan. Principal will oversee the lesson study program of the school while I start with other school and serve as advisor among schools using lesson study approach method.
2. Time will be subject to change to accommodate other school activities and committed schedule.