

Action Plan

“IMPROVING TEACHING METHODS IN MATHEMATICS” JFY2010

Name	Nyoni Florence
Country	Republic of Zimbabwe
Organization	Ministry of Education
Position	Head of Department/Classroom Teacher

Title	Improving Mathematics in Primary Elementary School
Period	March 2011 to March 2012
Target Location	Bulawayo
Target Group	Teacher in the Bulawayo Central Zone

NARRATIVE SUMMARY	
<OVERALL GOAL> Improve children’s negative attitude towards learning of mathematics	
<SPECIFIC OBJECTIVES>(PROJECT PURPOSE) Primary math teachers in central zone to improve teaching methods in mathematics using the problem solving approach and lesson study	
<YOUR LEARNING IN JAPAN> Method of teaching problem solving approach, open ended problems and lesson study	
<OUTPUTS> by applying your learning in Japan>	
Output 1-Lesson study preparation system is developed. Output 2-Teachers have better skills and knowledge in developing improved lesson plan. Output 3-Teachers are exposed to many different mathematics teaching approaches.	

<ACTIVITIES>

Output 1- Lesson study preparation system is developed.

Activity 1-1: Head of Department Florence Nyoni introduce the Lesson Study Project to head of school.

Activity 1-2: Head of School notifies the Curriculum department of new ideas of teaching method from Japan

Activity 1-3: Meeting about the Lesson Study Project is organized and schedule.

Output 2- Teachers have better skills and knowledge in developing improved lesson plan.

Activity 2-1: Head of Department Florence Nyoni introduces and gives overview of the Lesson Study Project to all teachers of Bulawayo Central Zone.

Activity 2-2: First Lesson Study conduct by Head of Department Florence Nyoni and observed by all Bulawayo Central Zone Teachers takes place.

Output 3- Teachers expose to different mathematic teaching approaches.

Activity 3-1-Head of Department introduce problem solving approach, open ended problem approaches and lesson study to all Bulawayo teachers.

Activity 3-2-Teachers meet to evaluate the teaching method and try to improve for next presentation.

Activity 3-3- Teachers help each other with lesson plan and materials preparation.

Plan of Operation

Output	Activities	Expected Results	Time Schedule	Person in charge	Implementers	Materials, equipments	Remarks
Output 1- Lesson study preparation system is developed.	Activity 1-1: Head of Department Florence Nyoni introduce the Lesson Study Project to head of school.	1-1 Lesson study is introduced to head of school	Third week of May 2011	Head of Department Florence Nyoni	Head of Department Florence Nyoni	Check List	
	Activity 1-2: Head of School notifies the Curriculum department of new ideas of teaching method from Japan	1-2 Curriculum department notified of new teaching method from Japan	Fourth week of May 2011	Head of School	Head of School		
	Activity 1-3: Meeting about the Lesson Study Project is organized and schedule.	1-3 Lesson Study meeting is organized and conducted	First week of June 2011	Head of Department Florence Nyoni	Head of School and Department	Materials from Japan trainings. Ex: books, CDs, USP	

Output	Activities	Expected Results	Time Schedule	Person in charge	Implementers	Materials, equipments	Remarks
Output 2- Teachers have better skills and knowledge in developing improved lesson plan.	Activity 2-1: Head of Department Florence Nyoni introduces and gives overview of the Lesson Study Project to all teachers of Bulawayo Central Zone.	2.1 Teachers will be familiar and grasp the concept of lesson study	First week of June 2011	HOD and HOS	HOD	Materials from Japan trainings. Ex: books, CDs, USP	
	Activity 2-2: First Lesson Study conduct by Head of Department Florence Nyoni and observed by all Bulawayo Central Zone Teachers takes place.	2.2 Teachers will know how lesson study is conducted.	Second week of June 2011	HOD	HOD	Check list and lesson plan	

Output	Activities	Expected Results	Time Schedule	Person in charge	Implementers	Materials, equipments	Remarks
Output 3- Teachers expose to different mathematic	Activity 3-1 Head of Department introduce problem solving approach, open ended problem approaches	3.1 Bulawayo teachers will be familiar w/ problem solving approach, open	Third week of June 2011	Teacher, HOD and HOS	Teacher and HOD	Lesson plan, lesson materials,	

teaching approaches.	and lesson study to all Bulawayo teachers.	ended problem and lesson study.					
	<p>Activity 3-2- -Teachers meet to evaluate the teaching method and try to improve for next presentation.</p> <p>Activity 3-3- Teachers help each other with lesson plan and materials preparation.</p>	<p>3.2 Improved lesson plan is produced.</p> <p>3.3 Better version of plan will be produced and implemented.</p>	<p>Fourth week of June 2011</p> <p>First week of July 2011-</p>	<p>Teachers, HOD, HOS</p> <p>All teachers, HOS</p>	<p>Teacher</p> <p>Teachers and HOS</p>	<p>Lesson plan, check list</p>	