



REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON
DEPARTMENT OF EDUCATION
DepEd Complex, Meralco Avenue, Pasig City, Philippines

Tanggapan ng Kalihim
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MAY 09 2003

DepEd Memorandum
No. 153, s. 2003

**WORKSHOP ON MIDTERM EVALUATION AND MONITORING OF
THE 2ND SCIENCE AND TECHNOLOGY EDUCATION PLAN (STEP 2)**

To : **All Regional Directors**

1. The Department of Education is one of the major players in the formulation and implementation of the Science and Technology Education Plan (STEP). The STEP aims to mainstream science and technology in all levels of the Philippine education system under a common policy agenda, bringing together major S&T related programs and initiatives of concerned government institutions. The 1st STEP was implemented during the period 1994-1998.
2. To further strengthen S&T education and to address emerging development in science and mathematics, the 2nd STEP (2001-2005) was formulated incorporating the lessons learned and gains derived from STEP 1.
3. Now in its third year of implementation, a Mid-term Evaluation and Monitoring Workshop of STEP 2 will be conducted, purposely to: i) assess the status of implementation of STEP 2 projects at the regional level; ii) develop strategies for strengthening field coordination and implementation; and iii) formulate a field monitoring plan for STEP 2.
4. The 2-day activity which is being coordinated by the Department of Science and Technology-Science Education Institute (DOST-SEI), will be held on May 21-22, 2003 at the Garwood Hotel (formerly Park Place Hotel), Cebu City. Participants from DepEd will include the **Assistant Regional Directors and Chiefs of Elementary, Secondary and Nonformal Education Divisions of the Regional Offices.** *Enclosure 1* shows the program of activities.
5. While the Department has been able to keep track the implementation of the STEP 2 programs/projects originally committed by DepEd and other S&T related programs/projects at the national level (*Enclosure 2*), all regions are requested to prepare the status of regional implementation of the projects/activities indicated in *Enclosure 2* and/or other S&T-related activities/

projects/programs implemented by the regions. Please forward your report to Office of Planning Service-Project Development and Evaluation Division c/o Ms. Psyche Vetta Olayvar, OIC at telefax nos. 633-72-56 and 635-37-63, not later than May 15, 2003.

6. The DOST-SEI will cover the workshop expenses from May 21-22, 2002 of the participants identified in item no. 4 above such as food, hotel accommodation (except for Region VII participants), supplies and materials. However, transportation and other allowable traveling expenses of the DepEd participants shall be charged against respective local funds.

7. For confirmation of attendance, please fill-up and submit the enclosed registration form (**Enclosure 3**) to DOST-SEI c/o Ms. Lilia Lauron, STMAD Chief at telefax nos. 837-19-25 and 837-19-24.

8. Immediate dissemination of this Memorandum is desired.



EDILBERTO C. DE JESUS
Secretary

Encls.:
As stated

Reference:
None

Allotment: 1—(D.O. 50-97)

To be indicated in the Perpetual Index
under the following subjects:

OFFICIALS
SCIENCE EDUCATION
WORKSHOPS

Workshop on Midterm Evaluation & Monitoring of STEP 2
Garwood Hotel (formerly Park Place Hotel), Cebu City
21-22 May 2003

Proposed Program of Activities

- Day 1: 8:00 –8:30 **Registration**
- 8:30- 9:00 **Opening Ceremonies**
- Opening Remarks
Dr. Fe Hidalgo, Undersecretary, Department of Education
 - Messages
Dr. Edilberto C. de Jesus, Secretary, Department of Education
Dr. Estrella F. Alabastro, Secretary, Department of Science & Technology
- Master of Ceremonies: Dr. Milagros D. Ibe
- 9:00-9:45 **Plenary**
- Backgrounder/ Overview of STEP 2
Dr. Ester B. Ogena
 - Presentation of STEP 2 Accomplishments: First 2 years of Implementation
Dr. Marlene B. Ferido
 - Workshop Mechanics and Orientation
Dr. Vivien M. Talisayon
- Master of Ceremonies: Dr. Milagros D. Ibe
- 9:45-10:45 **Workshop I**
- Plenary**
- Status of Regional Implementation of STEP 2 Programs/Projects by 7 Strategic Thrusts Groupings
Facilitator: Dr. Avelina T. Llagas
Expected Output: Status of STEP 2 Programs/Projects According to Thrusts
- 10:45-12:00 **Plenary**
- Consolidated Status of Regional Implementation of STEP 2 Programs/Projects by 7 Strategic Thrusts
Facilitator: Dr. Avelina T. Llagas
- 12:00-1:00 **Lunch**

1:00-3:00

Plenary

- National Performance Updates
 - TIMSS Macro and Micro View
Dr. Vivien M. Talisayon/Dr. Merle C. Tan
 - DepEd Diagnostic Test (G IV and Year I)
Dr. Nelia V. Benito
 - Local Science and Mathematics Education Benchmarks
Dr. Ester B. Ogena

Master of Ceremonies: Dr. Filma G. Brawner

3:00-5:00

Workshop 2

Plenary

- Critical Components of Programs/Projects at the Regional Level Groupings
Resource Person/Facilitator: Asec. Ma. Lourdes G. de Vera
Expected Output: Critical Components of Programs/Projects

Master of Ceremonies: Dr. Filma G. Brawner

Day 2: 8:00-12:00

Workshop 3

Plenary

- *Formulation of the Regional and Monitoring Plan*
- *Regional Bi-Annual Reports*
Resource Person/Facilitator: Asec. Ma. Lourdes G. de Vera
- *Formulation of Indicators*
- *Financial Requirements*
Resource Person/Facilitator: Dr. Milagros D. Ibe

Master of Ceremonies: Dr. Ester B. Ogena

1:00-3:00

Workshop 3

Three Parallel Sessions (Groupings)

- Luzon
Facilitator: Dr. Avelina T. Llagas
- Visayas
Facilitator: Dr. Milagros D. Ibe
- Mindanao
Facilitator: Dr. Vivien M. Talisayon
Expected Output: Regional & Monitoring Plan





3:00-5:00



Plenary/Closing Ceremonies

- Presentation of Outputs (Workshops 2 and 3)
- Closing Remarks
Prof. Fortunato T. dela Peña
Undersecretary, Department of Science & Technology

Master of Ceremonies: Dr. Ester B. Ogena

DEPARTMENT OF EDUCATION
The 2nd Science Technology Education Project (STEP 2)
STATUS OF IMPLEMENTATION
As of December 31, 2002

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period					Status/Remarks	
			2000	2001	2002	2003	2004		2005
1. Upgrading Teacher Capabilities	1. Training of Teachers for Lingua Franca Education Project	BEE <i>(1999-2001 pilot)</i>							Expansion or institutionalization of the project is subject to further discussion with DepEd Management on the result of the pilot-testing. 1. Review of the program currently being implemented by the divisions will be part of the research agenda in 2003. 2. Guidelines for conducting the Program will be prepared by DepEd in collaboration with RSTCs, Center for Excellence. On-going despite the lack of training funds as expressed by some schools.
	2. Induction Program for Beginning Teachers	NEAP/TEC							
	3. Customized 14-month Fulltime Med/MST in Math, Biology, Chemistry, Physics & Information Technology (Special Scholarship Programs for Secondary School Teachers)	NEAP							
	4. School-Based Teacher Training Program (SBTP)	-do-							

- - proposed implementation (based on STEP 2 Manual)
 - actual implementation in 2001-2002
 - additional activities for implementation from 2003-2004
In Italics/bold - additional to or replacement/reconfiguration of the original project(s)

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period					Status/Remarks	
			2000	2001	2002	2003	2004		2005
2. Enhancing the Learning Environment	<i>Training of Secondary Math Teachers on Content under the New BEC</i>	-do-						Completed.	
	<i>Training of Elementary and Secondary School Teachers on new BEC</i>	BEE BSE NEAP						This covers the five learning areas: Science, Math, English, Filipino and Makabayan	
	<i>Secondary Education Development and Improvement Project</i> - Upgrading Capabilities of non-major teachers in Science and Math on Strategies and Content	BSE-SEDIP						This is part of INSET component A non-credentialed training program	
	5. Basic Equipment for Science and Math	NSTIC						A credential courses for non-majors	
	5.1 Batch A (basic) > Regional Science High Schools							schools provided with sets of equipment not yet available; to follow.	
	5.2 Batch "B" Science Equipment Project (Mechanics for Physics) > Regular Secondary Schools > Regional Science High Schools	-do-							







- proposed implementation (based on STEP 2 Manual)
- actual implementation in 2001-2002
- additional activities for implementation from 2003-2004
In Italics/bold - additional to or replacement/reconfiguration of the original project(s)

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period					Status/Remarks	
			2000	2001	2002	2003	2004		2005
			Implementation Period						
	6. Modernization of Basic Education (Computerization)	BSE							
	6.1 Development of computer-based IMS > Regional Science High Schools	-do-							
	7. ICT for Regular & Special Education Classes	BEE							
	- Training of SPED and regular teachers on computer literacy	-do-							BEE plans to continue the training in other schools subject to availability of hardware.
	- Procurement and distribution of computer units to pilot regions/divisions	BEE							Some schools procured computer units through the assistance of Parents and LGUs; need to source funds to procure hardware to cover more schools.
	- Training and dev't. of Computer Assisted Instructional Materials	-do-							Completed in July 2002. Reduction in the number of administrators/teachers trained from 30 to 17 due to limited budget.
	- Third Elementary Education Project	TEEP-CPISU							
	> Provision of VHS tapes in English and Science	-do-							VHS tapes provided to all schools in 22 divisions.

- proposed implementation (based on STEP 2 Manual)
- actual implementation in 2001-2002
- additional activities for implementation from 2003-2004
In **italics/bold** - additional to or replacement/reconfiguration of the original project(s)

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period						Status/Remarks
			2000	2001	2002	2003	2004	2005	
			Implementation Period						
	> <i>Reproduction of PROBE teacher support materials (English, Science & Math)</i>	-do-							Materials developed will be distributed to all ELS and satellite schools of project provinces. Conducted Training and Development of CAIMs. Completed. Completed. Completed in June 2001. Part of a project tie-up with SEI. Assigned school (Ateneo Grade School) completed in 2001.
	- Development of CAIMs in Science, Math and English	BEE							
	8. Procurement, Evaluation and Development of Instructional Materials	IMCS							
	> <i>Procurement of Science and Math TMs & TXs under SEDIP and SEMP 1</i>	-do-							
	> <i>Evaluation of Instructional Materials in Science & Math (HS TXs/TMs) under SEDIP and SEMP 1</i>	-do-							
	> Benchmarking of Science & Math Instructional Materials	-do-							
	> Instructional Materials Development for the Lingua Franca Project	IMCS							

- proposed implementation (based on STEP 2 Manual)
- actual implementation in 2001-2002
- additional activities for implementation from 2003-2004
In italics/bold - additional to or replacement/reconfiguration of the original project(s)

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period					Status/Remarks	
			2000	2001	2002	2003	2004		2005
3. Reengineering the Assessment Procedure	<i>Preparation and Distribution of Instructional Materials on BEC</i>	BEE							167 CDs on BEC containing Primer, Handbook for English, Filipino, Math, Science & Makabayan; 45 lesson plans on lesson integration; 5 sample demo teaching lessons
	<i>Educational Facilities Improvement Project (Phases V to VI)</i>	EDPITAF							Science laboratory equipped with basic equipment provided to selected secondary schools.
4. Establishing a Quality Assurance System	9. Preparation for a National Assessment in Mathematics & Science (NAMS) - Administration of NAMS	NETRC							
	10. Dissemination and Publication of the NAMS	-do-							} Not a project but part of the national assessment activity.
	11. Utilizing TIMSS-R, National Assessment Results	-do-							
	12. Management Tmg. of Regional Science High Schools/ Engineering and Science Education Project/Learning Resource Center Principals	BSE							Completed. This is part of the Regional Science High Schools Program; DepEd plans to conduct follow-up management trainings.

- proposed implementation (based on STEP 2 Manual)
- actual implementation in 2001-2002
- additional activities for implementation from 2003-2004
in Italic/bold - additional to or replacement/reconfiguration of the original project(s)

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period					Status/Remarks	
			2000	2001	2002	2003	2004		2005
5. Advocacy Agenda	13. Science Education Improvement Project	-do-							Deferred for 2004 implementation.
	14. Accreditation of Public Secondary Schools	-do-							No GOP money involved. Project done with foreign funding in coordination with BSE.
	15. National Search for Most Effective Public Elementary Schools Focused in S & M (every 4 yrs)	BEE							
	16. National Search for Most Effective Public Secondary Schools Focused in S & M	BSE							The project was not pushed through, instead a National Workshop in Managing Investigatory Project was conducted in 2001.
	17. Summer Leadership Training in Science and Mathematics	-do-							Project implementation has been deferred.

- proposed implementation (based on STEP 2 Manual)

- actual implementation in 2001-2002

- additional activities for implementation from 2003-2004

In italics/bold - additional to or replacement/reconfiguration of the original project(s)

Strategic Thrust	Project Title	Implementing Office	Planned vs. Actual Implementation Period					Status/Remarks	
			2000	2001	2002	2003	2004		2005
6. Research Agenda	18. A Study on Instructional Practices of Grades IV to VII Science Teachers in the Development of Process Skills, HOTS, & Scientific Attitudes in Regs. I, NCR, VII, IX & X	BEE							
	- Development of instruments * selection of participating schools * analysis and writing	-do-							Completed in December 2001.
	- Videotaping of Best Instructional Practices in Science, Math & English in four regions	-do-							Videotapes are ready for editing/dubbing in March to July 2003.
	19. Comparative Performance of Students and Graduates of RSHS and S & T Oriented High Schools	BSE							Project implementation has been deferred.

- proposed implementation (based on STEP 2 Manual)
 - actual implementation in 2001-2002
 - additional activities for implementation from 2003-2004
 in Italics/bold - additional to or replacement/reconfiguration of the original project(s)

REGISTRATION FORM**Workshop on Midterm Evaluation and Monitoring of STEP 2****Tentative Venue: Garwood Park Hotel (Formerly Park Place Hotel), Cebu City****Date: 21-22 May 2003***Please type or write clearly and return this registration form to the following address
or Fax to (02)837-1924/(02)837-1925***STEP 2 Secretariat**

Contact Persons: Ms. Gerry/Ms Lotlot
 c/o Science Education Institute (SEI)
 3rd Flr., PTRI Bldg., Gen. Santos Avenue
 Bicutan, Taguig, MM 1631 or
 E-mail: gls@sei.dost.gov.ph or las@sei.dost.gov.ph

Region: _____

Agency	Position Title	Pls. Check	Name	Gender (M/F)	*ETA /EDA	**ETD /EDD
DepEd	Assistant Regional Director					
DepEd	Elem. Education Division Chief					
DepEd	Secondary Educ. Division Chief					
DepEd	Non-Formal Education Chief					

Please take note of the following:

1. Deadline for submission of this form is on or before **05 May 2003**.
2. SEI will provide **free meals and accommodation on 21-22 May 2003 only**. However, participants coming from **Cebu will be provided with free meals only**.
3. Triple occupancy rooms will be the general mode of accommodation.

*Expected Time/Date of Arrival (ETA/EDA)

**Expected Time/Date of Departure (ETD/EDD)

Recommended By:

 Regional Director, DepEd
 Name & Signature