

Republic of the Philippines
(Republic of the Philippines)
KAGAWALAN NG EDUKASYON AT KULTURA
(DEPARTMENT OF EDUCATION AND CULTURE)

February 27, 1978

DEPTAC-EDUC MANCOMBANK
No. 43, d. 1978

MASS TRAINING PROGRAM FOR TEACHERS
ON SECONDARY SCIENCE/MATHEMATICS

To: Bureau Directors
Regional Directors
Coordinators, State Colleges and Universities
School Superintendents

1. The Department of Education and Culture through the Educational Development Projects Implementing Task Force (EDP-ITF) and the Textbook Board Secretariat (TBS) will sponsor a three-level mass training program for First Year and Second Year science teachers and Third Year mathematics teachers to enable the mass effective use of the textbooks to be introduced in the First, Second and Third Years in June, 1978.

2. The first stage of the implementation of the training program will be a Level I training for the mass in-service training program of secondary school teachers at the UP Science Education Center, Diliman, Quezon City, on February 20-24, 1978.

3. The goal of the Level I training may be expressed as follows: to improve the quality of science and mathematics teaching in the high schools, with particular reference to the effective use of the EDC science and mathematics textbooks slated to be introduced into the schools.

4. More specifically, at the end of the Level I seminar, it is expected that the participants will have:

- a. acquired some additional subject matter background in science and mathematics;
- b. sharpened skills in teaching the concepts and principles of the subject areas, in using science/mathematics apparatus, in techniques of questioning and in test construction;

c. Analyzed the curriculum in terms of objectives, concepts, intellectual skills, vocabulary, teaching strategies; and from there, have analyzed the implications to the instructional plans of the teachers, to the management of resource materials, and to the role of the administrator for ensuring the most effective use of the text and materials; and

d. Prepare a training program for the regional/divisional/school levels.

5. All expenses such as actual transportation expenses, per diem and daily allowances to be incurred by the participants in attending the Level I training for secondary science and mathematics will be reimbursed by the IS Science Education Center during the seminar.

6. The program of activities for the Level I training for secondary science and mathematics is given in the inclosure.

7. Participants for each stage of the training program will be as follows:

Level 1

- 3 coordinators from the ESAs
- 2 regional secondary science and mathematics supervisors from each region
- 2 secondary teachers from each of the six schools recommended by ESAs

Level 2

- 2 secondary science and mathematics supervisors from each division
- secondary science and mathematics teachers from selected schools

Level 3

- First and second-year science teachers
- Third year mathematics teachers

8. The dates and venues for the Levels 2 and 3 training programs will be decided upon by the Regional Directors and the schools division superintendents, taking into account the time required by the regions/divisions to organize their Level 1 training programs.

9. Appropriate remuneration will be issued to this effect by the Regional Directors for the Level 2 and by the schools division superintendents for the Level 3 training.

10. The resource materials which will be made available to the Level 2 participants for supplementary science and mathematics will include textbooks with corresponding teachers' manuals for High School Science I, High School Science II and High School Mathematics III.

11. In view of the importance of this training program for upgrading teacher and staff competencies, everyone is enjoined to extend his full support and cooperation.

(Sgd.) JOSE L. MALCOLM
Secretary of Education and Culture

Incls:

as stated

References:

Department Memorandums Nos. 26-c and 274, s., 1977

Attachment: 1-2-77-018.C. 1-56.

To be referred to the Formal Training under the following subjects:

~~Course of Study, SECRETARY~~
~~MEMORANDUM~~
~~ATTACHMENT~~
~~TRAINING PROGRAM~~

HIGH SCHOOL SCIENCE AND MATH LEVEL 1
PROGRAM OF ACTIVITIES

Day/Session

- 1.1 Plenary: Opening exercises, keynote talk by EDPIENP, orientation to National Textbook Project
- 1.2 Plenary: Orientation to the Training Program, Levels 1,2,3.
- 1.3 Plenary: then group by regions: Plan logistics, schedules, budgets, etc. for L2 programs
- 2.1 Plenary: Plenary studies: Conservation (films) Some related studies conducted in the Philippines. Implications for our teaching
- 2.2.
- 2.3. Group by subject matter*
- 2.4.
- 3.1 Plenary: Vocabulary studies. Implications for our teaching
- 3.2.
- 3.3. Group by subject matter*
- 3.4.
- 4.1
- 4.2 Group by subject matter*
- 4.3
- 4.4.
- 5.1 Plenary: What is "curriculum analysis". Orientation for L2 programs
- 5.2 Group or individual work: Plan academic programs for L2 seminars and senior institutes
- 5.3 Supervisors plan schedules for L3 programs (for conferation during L2 seminars)
- 5.4 Plenary: Business session, closing exercises.

*The details for these sessions shall be prepared by the respective specialists. Included will be

- sessions on laboratory techniques for ecological studies jointly for HSS 1, HSS2
- sessions on inquiry/questioning techniques: discussion and practicum
- sessions on test item construction: discussion and practicum
- sessions on certain topics when some teachers have voiced as problematical
- sessions on topics that integrate