

**Minutes of the Second Meeting of
the CDC Committee on Science Education (2000-01)**

Date: 16 November 2000 (Thursday)

Time: 2:40 – 6:40 p.m.

Venue: Conference Room, Room G06, 24 Tin Kwong Road, Kowloon.

Present:

Mr TSE Pak-hoi (Chairman)
Mr CHAN Chi-tuen
Dr CHEUNG Sin-pui, Derek
Mr CHONG Shiu-Kit
Mr CHUI Hing-wa
Mr HO Chung-nin
Mr HO Yau-sing
Dr LEE Hau-chi
Ms LEE Kwan-ping, Carole
Ms LEE Pui-har
Mr LEUNG Shiu-keung (Vice-chairman)
Mr OR Choi-kuen
Mr PANG Chi-chuen
Mrs TANG TSUI Sau-mei
Mr YIP Chee-kuen
Mr WONG Kin-on (Secretary)

Absent with Apologies:

Mr CHAN Man-tak
Mr CHENG Chi-leung
Dr CHOW King-lau
Dr FUNG SHI Yuk-hang
Ms LEUNG Lai-mei
Dr MAK Chi-keung
Dr NG Kwok Hung

In Attendance:

Mr CHAN Pui-tin
Ms CHOW Kar-man
Mr HO Kam-moon
Mr HO Wing-chuen
Mr LEE Charn-kau
Ms LUI Mong-yu, Grace
Mr PANG Wing-chung
Mr TANG Kin-hung
Mr YEUNG Man-shing

Documents sent and tabled:

- SC1/2/00 Minutes of the First Meeting of the CDC Committee on Science Education (2000-01)
- SC2/2/00 Information Paper on the Revision of The English-Chinese Glossary of Terms Commonly Used in the Teaching of Science in Secondary Schools
- SC3/2/00 Gist of General Studies
- SC4/2/00 Proposed Ad Hoc Committee on the Development of S4-5 Science and Technology Curriculum
- SC5/2/00 Gist of Science Education KLA Consultation Document
- SC6/2/00 Membership List of CDC Committee on Science Education (2000-01)
 - Major Science Education Events in October – December 2000
 - Learning to Learn: Science Education Consultation Document
(Collected back after the meeting)
 - Information Sheet on Popular Science Talks 2000-01

Minutes:

1. The Chairman welcomed the new member, Mr HO Yau-shing to the meeting.
2. **Confirmation of minutes of the First Meeting**

- 2.1 The minutes were confirmed with the following amendment:
Mr LAU Yuen-tan's name to be included in the "In Attendance" list.

3. Discussion on matters arising from the last meeting

- 3.1 Changes to the membership of various ad hoc committees were all accepted by circulation.
- 3.2 Ms LEUNG Lai-mei and Dr MAK Chi-keung accepted the appointment as co-opted members.

4. To endorse The English-Chinese Glossary of Terms Commonly Used in the Teaching of Science in Secondary School

- 4.1 Ms CHOW Kar-man, Sophia briefed on the background of the revision of the Glossary and the changes made to the revised Glossary.
- 4.2 There was comment that the Chinese translations of some terms in the Glossary and those in the glossary for S4-5 Physics, Chemistry and Biology were slightly different. Ms Grace LUI explained that the Glossary was intended for the junior secondary students and thus a less academic approach was adopted in choosing the Chinese translations for the terms. It was asked whether there would be any remarks to remind schools that the Glossary covers "core" and "extension" materials of the Science Syllabus and not all students are required to know all the terms.
- 4.3 After much deliberation, the meeting requested the Ad Hoc Committee on the Revision of The English-Chinese Glossary of Terms Commonly Used in the Teaching of Science in Secondary School to refine the explanatory notes of the revised "glossary" to spell out the purpose of the production of the glossary and to ensure the consistency in the use of terms. The finalized version should then be circulated to members for endorsement.

5. Discussion on matters related to the Science Education KLA consultation document

- 5.1 The Vice-chairman briefed on the background of the main consultation document "Learning to learn" and the short-term, medium-term and long-term strategies proposed in the document. Mr WONG Kin-on briefed about the rationale for the development of Science Education KLA and highlighted the major features of the Science Education KLA Consultation Document. Public consultation would start in late November till 15 Feb 2001.
- 5.2 There was comment that the diagrammatic representation of the science education framework on p.11 of the Science Education Consultation Document was ambiguous. Some members showed concern about the teacher development programmes to prepare teachers for changes. Members opined that ED should provide resources to support teachers for the new development. The Vice-chairman said that there would be funding for in-service teacher training.

- 5.3 Consultation seminars for secondary school teachers and meetings with university academics would be held in Dec 2000 - Jan 2001 to solicit views and comments on the Science Education KLA Consultation Document. Informal meetings for our members to exchange views could be organized during the consultation period (Jan - Feb 2001). The Vice-chairman invited members to attend the consultation seminars and to serve as guest speakers.
- 5.4 Mr YEUNG Man-shing briefed on the framework and new developments of the General Studies (G.S.) curriculum. There was concern about the implementation of primary science in G.S.
- 5.5 Mr TANG Kin-hung briefed on the discussion made in the past few months on the development of Integrated Science and Technology (IST) curriculum. The IST course would consist of 1 core module and 5 optional modules each of 40 hours duration. Students are expected to take the core module and 2 optional modules.
- 5.6 Some members opined that the term "integrated" should be removed from the title of the course to allow for more flexibility in the design of the curriculum. There was concern about the relationship of the modules of IST with other subjects and the career opportunity for students taking this course. Question on the recognition of the course by tertiary institutes was raised. Members also showed concern about whether there would be adequate number of teachers ready to teach the course.
- 5.7 After deliberation, the meeting agreed that in designing the curriculum, it should not be restricted by the term "integrated" and the modules should have a better linkage with other subjects.
- 5.8 The meeting agreed to the setting up of an Ad Hoc Committee for the development of S4-5 Science & Technology curriculum. The Ad Hoc Committee would be composed of officers from ED and HKEA, science or technology education teachers/principals and co-opted teachers. The membership of the Ad Hoc Committee would be decided by the two chairpersons of the CDC Committees on Science Education and Technology Education. The Secretary would send e-mails to invite members to serve in the Ad Hoc Committee.
- 6. Any other business**
- 6.1 The Vice-chairman briefed on the major science activities in Oct - Dec 2000, the Public Lecture on "Life in Space" and the Science Lecture in Shatin.
- 6.2 The next meeting was scheduled to be held in early March 2001.
- 6.3 There being no other business, the meeting adjourned at 6:40 p.m.

(Post-meeting note: The third meeting will be held on 12 March 2001 (Mon))

*** Restricted ***

Confirmed on _____.

(Mr TSE Pak-hoi)
Chairman

(Mr WONG Kin-on)
Secretary