

**CDC-HKEAA Committee on Physics and
Combined Science (Physics Part) (2015-2017)
Gist of Second Meeting**

Date: 7 June 2015 (Tuesday)

Venue: E246, East Block, EDB Education Services Centre

Time: 3:00 pm – 6:15 pm

Present:

Prof CHAN Kwok-sum (Chairman)	Dr LO Wai-chau, Edward
Mr HO Yau-sing, Willie	Mr LAW Man-wai
Dr PUN Chun-shing, Jason	Mr CHUNG Sai-chak
Mr LEUNG Ngai-chung	Mr YING Pui-chi, Bosco
Mr SZETO Yuk-tong	Mr CHOI Chit-kai
Mr WONG Kim-wah	Mr LIU Sing-po
Dr LAU Yiu-hon (recording minutes)	

Absent (with apologies):

Ms LIN Chi-wan	Dr KWOK Ping-wai
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Gist

1. The minutes of the last meeting on 30 September 2015 were confirmed without any amendments..
2. Mr Szeto gave a brief summary to members about 2016 HKDSE in Physics and Combined Science (Physics). In 2016, the number of physics candidates was 12,170 (13,184 in 2015) and the number of CS(physics) candidate was 630 (1,063 in 2015). He revealed that the performance of candidates was comparable to the last few years. He also mentioned that the grading process was based on the recommendations of Expert Panel and the Group Ability Indicator to ensure the levels were in consistence across years. He reported that briefing Sessions for teachers to review the candidates' performance and errors in 2016 HKDSE Physics and CS(Physics) would be held on 3 and 13 October 2016. In addition, Mr. CHOI gave a brief summary of statistics of number of physics candidates in HKDSE from 2012 to 2016. He pointed out that the percentage of students taking HKDSE physics was steady at around 18.6% in the last three years.
3. Mr. CHOI reported to members about the progress of STEM education and its forthcoming events. He mentioned that STEM education would be one of the key

emphases of the ongoing renewal of the school curriculum. Project based activities with integration and application of knowledge and skills across KLAs would be adopted to promote STEM education. He indicated that 3D printers and its related technology would be explored to enhance L&T of physics. He further reported that “Construct-a-Catapult” has been proposed for WorldSkills Hong Kong Competition cum Carnival 2017 as an activity to promote STEM education for local secondary school students.

4. Mr. CHOI reported that updating of the Science Education KLA Curriculum Guide has reached the final stage. Based on the feedback collected from stakeholders in the consultation and comments from the reviewers comprising tertiary educators and frontline teachers on the initial draft, the Science Education KLA Curriculum Guide is being further revised before submission to the senior management for endorsement.
5. Mr. CHOI invited members to discuss about the pedagogies for enhancing of learning and teaching of physics. He briefed members about using mobile apps as a tool to motivate students in learning of Physics. Students need to integrate and apply knowledge and skills across different subject disciplines when they develop mobile apps for investigative study of Physics. Some ideas were also shared on using 3D printing to make Physics models and apparatus for Physics experiments. Members generally showed interest in the use of mobile apps and 3D printing to enhance L&T of Physics. Regarding the Physics curriculum, a member pointed out that the core part of revised Physics Curriculum was able to suit average ability students but the curriculum time for the elective part was still tight for these students.
6. Mr. CHOI introduced the proposed list of PD programmes for the 2016/17 s.y. The PDs were intended to enrich the subject knowledge and professionalism of Physics teachers. A number of visits has been planned for Physics teachers in the coming school year. Members were invited to comment and suggest new programmes that can best address the needs of Physics teachers.
7. There being no other business, the meeting was adjourned at 6:15 pm.