

## Joint School Science Exhibition (JSSE)

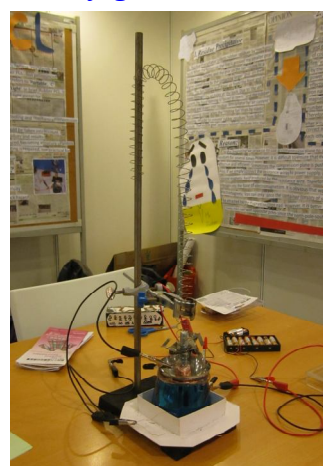
Wong Tsz Yeung (6D)

JSSE is a science competition. Every invited secondary school will send a team of four S.4-S.5 students to participate. Each team is asked to design a product according to the given theme. The team has to write a proposal first for the product with a time limitation of 1.5 months. Then, the team is interviewed by some university professors. The performance of the interview will determine the fate of your team whether the team is appreciated or banned. In the next stage, the team is given a period of 4 months to manufacture the product. Finally, the team joins an exhibition to demonstrate the product to the public.



I am Zse Wong, the leader of the team representing Heep Woh. I have got three excellent teammates and they are Andy Ho, David Wong and Teddy Lau. Talking about our experience, it is really not advised to learn from. In the proposal stage, the time is exactly during the first-term exam. Finally, we had got 3 days to finish the proposal. It could be said as a crazy job if you know the format of a proposal including reference.

Anyway, we have done it on time. Before the interview, we did not rehearse and prepare much. We tried our best to clear all the confusions in the professors' minds. In the end, we passed one more check-point. After that, we were proposed to produce our product. Although we have got 4-month time, we make use of every single month. We also had to train 14 demonstrators to help us in the exhibition within 1-week time. As what we predicted, we finally got "certificate of attendance", haha.

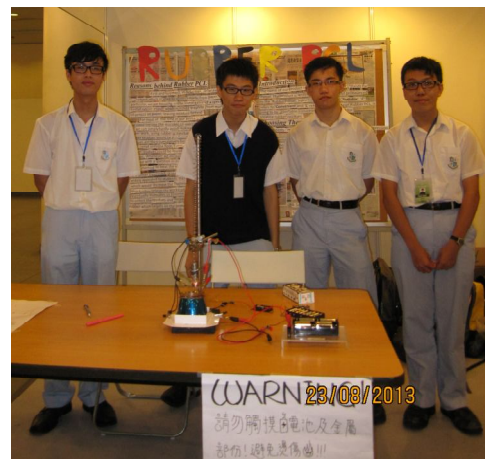


If you want me to describe this competition in one word, I will say – troublesome. Whenever we had a design, we needed to perform an experiment to prove if it works. If not, we have to think another, similar to doing research. We had failed for more than 5 times and we have to improve and then examine. We made observation, proposed hypothesis and did experiments. If it proves us wrong, we restarted once again and again, just like the description in the science textbooks.

However, we got the most valuable thing from the exhibition. During the exhibition, we have faced a wide variety of people, no matter professors, or children.

Facing a special group of people, the content of our speech changes. Daily life examples are needed to ensure the general public to get a better understanding about our product. In addition, both theory-based and experimental-based knowledge are required to demonstrate and give confidence to the "suspected" professors. It is really a great chance for us to interact with different kinds of people.

Experience is more important than an award. An award may be put in the school but experience will put in your mind forever.



| Project holders:        | Demonstrators:                 |                          |
|-------------------------|--------------------------------|--------------------------|
| Wong Tsz Yeung 黃梓揚 (6D) | Chiu Ka Yi 趙嘉怡 (5A)            | Ng Tsz Ying 吳紫瑩 (5C)     |
| Wong Chun Fung 黃進鋒 (6D) | Chu Sin Wa 朱倩嬋 (5A)            | Tam Chen Yi 譚真頤 (5C)     |
| Ho Ka Wa 何家華 (6D)       | Ko Tsz Ching, Lourdes 高芷晴 (5A) | Fung Oi Ying 馮靄瑩 (5D)    |
| Lau Tat Fai 劉達輝 (6E)    | Kwong Yuen Yi 鄺婉儀 (5A)         | Lam Ka Chun 林家進 (5D)     |
|                         | Lam Hoi Kei 林凱琦 (5A)           | Cheung Yuen Tsz 張炫梓 (5E) |
|                         | Tang Ngai Sin 鄧藝倩 (5A)         | Ma Tin Wai 馬天偉 (5E)      |
|                         | Yuen Nok Yu 袁諾瑜 (5A)           | Tam Wing Yan 譚穎欣 (5E)    |
|                         |                                | Tsang Hing Pong 曾慶邦 (5E) |

## HKUST - Dual Program Wong Tsz Yeung (6D)

Do you want something new and extra during the usual secondary school life? Have you ever thought of studying in university courses being as a secondary school students? Do you think you can challenge yourself to get an “A” in a test with colleague candidates at this moment?

The Dual Program organized by CDGT of HKUST can offer the opportunities to savor the above experiences. It is a 3-stage program, acquiring secondary school students with out-of-syllabus knowledge in the field of Mathematics, Physics, Chemistry and Biology. In the middle and at the end of each stage, there is a test to determine whether you could proceed to the next stage. In the third stage, you may even have a chance to take lectures with colleagues in the university, with applying casual leave from Heep Woh.



Here comes a bit of personal experiences. Beforehand, let me introduce myself. I am Zse Wong, a S.6 student in Heep Woh and the first - generation Dual Program Level 3 students studying Mathematics, receiving “A” rankings in all the 3 stages. I started to take the Level 1 course in S.4 and then the Level 3 course in S.5. It is the most special and unforgettable experience throughout my secondary school life as I have spent half of the S.4 summer holiday for the Level 2 course. Furthermore, I have spent a few months to study in the Level 3 course. Thus, it is required for me to leave Heep Woh in particular daytime of the S.5 final term.

If you ask how I feel about the course, I could say that I am trapped only because it is very tired to study in two colleges. In Level 3, I studied in a first-year UST essential course – Multivariable Calculus. Although I like studying Mathematics, the difficulty of the course is twice the DSE Mathematics M2! At every night, I studied until 2:00 a.m. so as to get a fair result in both Heep Woh and UST. Otherwise, I am not allowed to study in UST.

You may think I am quite stupid to make my life to be troublesome. However, I enjoyed the process. In UST, I wore HWC school uniform to take the morning lectures since I had to return to Heep Woh in the afternoon. The colleagues taking the same lecture were a bit surprised with my dressing at the first time. After they knew I am still a secondary school students, they were friendly and treated me the same as other colleagues. We sometimes have discussions too. In Heep Woh, ‘Professor Wong’ becomes my nickname. Schoolmates in the same form and some teachers also call me like this. Until now, it is quite special to have double identities.

If I can choose once more, I will choose to be trapped in this snare. Apart from my enthusiasm towards Mathematics, I enjoy to have challenges. This is a way to get smarter, more experienced. Intelligence is trained from challenges from time to time. This is also the only way for us to make miracles.



# Summer Clinical Attachment Programme

Chong Ngo Wai (5E)



 *CUHK Summer Clinical Attachment Programme*   
8-12 July 2013

During the last summer vacation, I joined the Summer Clinical Attachment Programme organized by CUHK because I am genuinely interested in pursuing medical knowledge and I wish that Medicine will be my undergraduate study. This programme really broadens

my perspective on medical science. This 5-day programme includes an infectious control workshop, hospital visits, lectures, a doctor-shadowing session and a CUHK campus tour.

Since this year is the “10<sup>th</sup> anniversary” of the outbreak of SARS, the Faculty invited the members of Dirty Team to give a speech. They were responsible for treating the SARS patients and were not allowed to talk to their family face-to-face. At that time, many doctors were afraid of being infected and thus, they were not willing to treat the patients. However, they were willing to sacrifice themselves to stop the spread of SARS. Even though we can know much about the deed of the brave doctors from TV, I was more impressed when they share their experiences personally. I think they are the models for all of us to learn.

Among all the activities, I liked the doctor-shadowing session most. I was arranged to follow a Cardiothoracic surgeon and I could observe a Coronary artery bypass surgery within a short distance. When this surgery was performed, the heart had to be stopped and usage



of cardiopulmonary bypass was needed. I was stunned as I can observe the whole process from the stop to the re-start of beating of the heart. Some may think the atmosphere in the operation room should be solemn.

**Nonetheless, the doctors would chat with me and explain the procedures. They even asked me some questions about the structure of the heart. However, they could still focus on the surgery at the mean time and this reflected their professionalism.**

**To conclude, I have learnt a lot from this programme. Not only did I know more medical knowledge, but I also had a deeper understanding on the requirement**



**and responsibility of being a doctor. I am now more interested in pursue medicine as my undergraduate study and even a life-long career.**

#### 「科學為民」服務巡禮講座系列

| 題目及講者                              | 日期             | 時間             |
|------------------------------------|----------------|----------------|
| 氣候變化與食物安全<br>講者：鄧紹平博士（食物環境衛生署科學主任） | 14-09-2013 (六) | 下午 3:00 - 4:00 |
| 香港天氣與流感<br>講者：莫慶炎先生（香港天文台高級科學主任）   | 14-09-2013 (六) | 下午 4:00 - 5:00 |

語言：粵語

地點：香港科學館演講廳

免費活動，即場入座，座位先到先得。

#### 二十世紀天文學四大發現

| 題目及講者                       | 日期       | 時間         |
|-----------------------------|----------|------------|
| 類星體<br>講者：蔡錦滔先生（星匯點委員）      | 9月16日(一) | 晚上7時至8時30分 |
| 星際有機分子<br>講者：岑宇軒先生（星匯點委員）   | 9月23日(一) | 晚上7時至8時30分 |
| 宇宙背景微波輻射<br>講者：梁榮傑先生（星匯點委員） | 9月30日(一) | 晚上7時至8時30分 |

語言：粵語

地點：香港太空館演講廳

免費活動，即場入座，座位先到先得。

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