



Earthquake Detector Design Competition

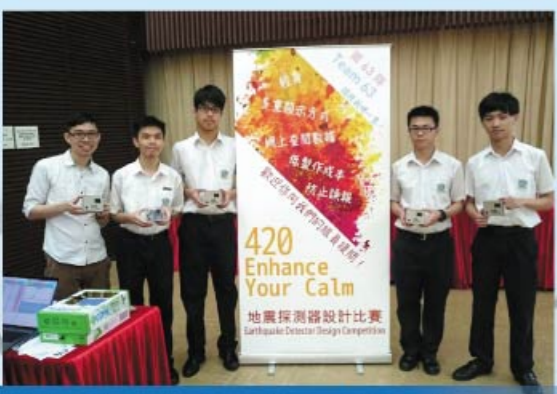


Photo with our teacher advisor--Mr Harry Lau
Participants: (from left to right)
WONG Chun Hei James, 5 Peace
NG Ho Man, 5 Peace
WONG Tat Ho, 5 Peace
MAK Chak Wing, 5 Hope

It is a well-known fact that a professional earthquake detector is bulky and costly. But our team (420 Enhance Your Calm) has invented a light and costless machine which has the specifications of the professional earthquake detector.

Our machine consists of several parts. The first part is an Arduino Uno Microcontroller. It is just like a small computer for processing the data and communicating with other components which are connected to the device. The second part is an Accelerometer. It is used to measure the change of acceleration of the X, Y and Z axes. The third part is an OLED display unit. It will display the type and magnitude of an earthquake wave. Also, we use a Bluetooth transmission component which will allow the device to have the Bluetooth function and transmitting the data from our device to our smartphone application. Last, we have a buzzer which alerts the users when there is a serious earthquake.

When our device is turned on, it will be still until the word "Done" is displayed on the OLED monitor. The detector is calibrated automatically to ensure the accuracy of data. After that, the device will measure data automatically with the accelerometer, process and perform calculations with the microcontroller and display the results through the OLED monitor. The data will then be transmitted to a smartphone or a tablet, which our application has installed, via Bluetooth and the data will be uploaded to the webpages for immediate data display and data recording. If an earthquake is detected, the buzzer and the Smartphone will sound an alarm to alert the users.

Participating in this competition has deepened my mind towards programming, electrical engineering and the knowledge of earthquakes. For example, we understand the formation and waveform of an earthquake, which cannot be learnt from textbooks. This knowledge really alerted us to the safety in Hong Kong. You may ask if earthquakes do happen in Hong Kong or what is the necessity of knowing about earthquakes? It is true that earthquakes will not happen in Hong Kong, but in Hong Kong, we can still detect some earthquakes which have low magnitude. This can be used to predict aftershocks. Therefore, it can benefit countries that suffer from serious earthquakes. On the other hand, we learnt much about programming. As you know, Arduino is a device using C programming language, which has a variety of usages and applications. We understand the difficulties of programming as if we just make a small mistake in the code, the program will not work. We also learnt how to use a laser cutter at the school. We have made 5 prototypes for testing which took 3-4 hours. It really trained our perseverance. We are so pleased that the school can have such high technology for students to use and create wonderful products.

Besides, on the exhibition day, we exchanged our working principles with the other teams. It enriched my knowledge and made me see how we could improve. We were also inspired by the sharing of the other teams. The judges were so friendly that they taught us more about earthquakes and were so willing to share their knowledge with us. We are so grateful that we could learn so much on the exhibition day.



Photo with the judge--Dr. LI Ping Wah

WONG Chun Hei James, 5 Peace



SPKC Kaleidoscope

School Team Highlights:
Prefect Team
Academic Insight:
Visual Arts Department



Cover designed by TO Ho Ching Louie, 4 Joy



Drama Club 2016-17

2016 / 2017 was another very eventful year for SPKC Drama Club. We started the year auditioning brave and talented students who had a good grasp of English and who were not afraid to perform on stage. The F4 committee spent 2 hours screening and scrutinizing the next SPKC Drama starlets and after some deliberation, we found them. A good mix of 25 junior form students with 5 F4 committee members formed the 2017 Drama Club.

Over the next 5 months, the team had over 20 meetings, rehearsing tirelessly for the 15 minute comedy entitled 'A Casting Call,' in preparation for the 2017 EMI Schools Drama Festival. The play featured a group of eccentric students auditioning for a school musical. Tension, jealousy and fierce competition to get a part, highlighted some of the real dramas that can happen in a school production. It was a glimpse into the lives of a Drama teacher and her students preparing for a famous musical and there were some very funny moments.



At rehearsals, the actors practised their lines while having to sing and dance. Anson So, 4 Love, directed the young actors with confidence and even taught them cool dance moves and voice projection.



Backstage, the production crew spent time designing the look of the play, selecting costumes, making colourful props and sets and even makeup for the actors. The whole team learnt that putting together a play can be very challenging and there were problems that surfaced. However, their commitment and discipline paid off.

On the 28th of March 2017, the Drama Club performed for the 2nd time at the **Association of English Secondary Schools Drama Festival** at Shatin Tsung Tsin Secondary school. The results were pleasing with awards for Outstanding Performance and Outstanding Spoken English.



The Drama Club was invited to perform again at the Prize Presentation Ceremony at Sheung Wan Civic Theatre on the 10th of May. The grand event was organised by the Association of EMI Schools, the NET section of the Education Bureau, Theatre Noir, Chung Ying Theatre Company and The HK Academy for Performing Arts. This year's Prize Presentation Ceremony was even grander than the last as it was held in a real theatre. Over 1000 guests from schools all over Hong Kong were present at this prestigious event. The Drama Club shared the stage with some of the top EMI schools in Hong Kong. It was truly a memorable experience.



Anson So, Vicky Wong and Wendy Fong receiving trophies for Outstanding Spoken English and Outstanding Performance on behalf of the team. With honorary guest Mr. Kevin Yeung Yun Hung, Under Secretary for Education, EDB.

PROGRAMME	
2:00 - 2:10	Welcome Speech Ms. Carol Yang Chairperson The Association of English Medium Secondary Schools
2:10 - 2:50	Presentation of Awards and Souvenirs Address by Guest of Honour Mr. Yeung Yun Hung, Kevin JP Under Secretary for Education Education Bureau
2:50 - 3:00	Group Photo Guest of Honour and VIPs
3:00 - 5:30	Outstanding Performances St. Stephen's Girls' College Midsummer Night's Dream St. Francis' Canossian College Who's Pulling the Strings? Wah Yan College, Hong Kong Get a Life Charlie Wong St. Mary's Canossian College Tied Queen Elizabeth School Mad in Pursuit Maryknoll Convent School The Success Line Stewards Pool Kei College A Casting Call

CONGRATULATIONS to SPKC Drama Club on a job well done!

Drama Club Teacher Advisors
Mr. Karl Suriya
Ms. Yuki Yip
Ms. Phoebe Chan

School Team Highlights

堅守紀律 服務學校 Prefect Team 小揭秘

校報記者：
陳樂昕(5 Love) 李樂兒(5 Love)
梁洛嘉(5 Love) 陳瑩珊(5 Love)



檢查儀容、記名、管理秩序……也許這些就是同學對Prefect的普遍印象，「又來抓我遲到了，真煩！」類似的說話很多同學都會說過，可是在你抱怨的同時，又對Prefect Team有多少認識呢？下面就讓我們向你正式介紹一下Prefect Team，或許看過後你會改變固有的看法，重新認識我們的「領袖生」。

以身作則 學生榜樣

作為學校大型的服務性團隊之一，Prefect Team有屬於他們的使命：

- 只要你行公義、好憐憫、存謙卑的心、與你的神同行。（彌迦書6章8節）
- 行公義：成為學生的榜樣，並公正地執行職務；
 - 好憐憫：關懷和鼓勵同學；
 - 存謙卑的心、與你的神同行：與神同行，跟從神的旨意去完成自己的使命及工作。

緊守崗位 盡力而為



一般來說，Prefect的工作包括：

- 檢查學生儀容
- 維持課室秩序
- 管理同學紀律

Prefect Team分為4個小隊，亦有3個專責小組：

- Team 1-3: 主要負責維持秩序與紀律，並檢查初中同學的校服
- Team 4: 主要負責檢查校服以及在週會上維持同學的秩序
- Recreation Team: 在聚會時準備禮物及為領袖生們慶祝生日，籌辦團隊建立活動
- Prayer Team: 在早會及領袖生的聚會時負責帶領大家禱告，組織基督徒Prefects成立小組團契
- Decoration Team: 負責佈置Prefect Room (G10) 門外及飯堂外的壁報板，並為團隊拍攝照片和影片作記錄

此外，作為團隊裏較高職權的Senior和Head Prefects，則需要負責定時巡查Prefects的當值情況，並為6/F小賣部 and 高中樓層提供支援。留意校內情況，定時向Advisors報告並提出意見及建議。

有一點與大家一樣，表現不理想的Prefect會被發警告信以儆效尤，可見Prefect的工作並不簡單，既要做好本分不犯錯，又要忍受同學們的友善，看似吃力不討好的工作，為甚麼仍有同學願意做呢？我們邀請了三位成員做了一次小訪問。

Prefect Amy：比想像更好

問：你當初為何會選擇成為Prefect?

Amy：因為我這個人沒有什麼特別的長處，在課外活動方面不是很出色，不算很愛社，也沒有甚麼特別興趣，所以選不到一項合適的課外活動。當我知道有prefect這個崗位時，認為這個挺好的，是一個很公平的崗位，只要你盡力做就可以做好。另外我也想突破自我，看看自己到底能否勝任。

問：成為prefect後，覺得和你想像的有出入嗎？

Amy：很不同。起初我認為這崗位肯定會是十分辛苦和沉悶的，但上任之後，我發現當一個學生領袖並沒有我所想的那麼苦悶，反而更能透過完成不同的工作來得到滿足感，對學校的認識也增加不少。此外我更十分享受可以跟一班同學一起為學校服務。學校每一位學生領袖生都十分盡責，認真的完成自己的工作，更會幫助比自己年資淺的後輩，教導他們做事方法。我十分享受當Prefect，它除了讓我明白責任感的重要性外，也讓我在這個溫暖的大家庭中感受到同學們的關愛。



Senior Prefect Angela：挑戰更大需要適應

問：你成為Senior Prefect後，覺得與之前有甚麼分別？

Angela：Senior Prefect比Prefect 要承受的壓力更大，因為我要負責將一些老師和Heads的交代或提醒向Prefects傳遞，也要帶領他們去做事，所以作為領導者，在他們面前，即使有不熟悉的地方也不能說自己不懂，讓他們失去依靠。

問：你在工作上是否有遇過甚麼困難？

Angela：有段時間工作量突然增加，統統壓到我身上，令我差點忘記了要囑咐team裏的人進行校服檢查。



Head Prefect Joseph：使自己和同學都有所得著

問：你在管理整個Prefect Team時有甚麼困難？你如何應對？

Joseph：我認為做Head Prefect最大的挑戰並不是管理團隊，而是訓練新人。對我來說，培養出團隊中有潛質的領袖才是真正的難題，因為這需要良好的溝通和很大的決心，不過我非常有信心下一屆的Heads能夠穩妥地履行他們的職務。

問：在你多年的Prefect生涯裏，你有甚麼得著？

Joseph：其實當初我並沒想過自己會選擇這條路，但後來卻慢慢從中學會許多，像如何去幫助同學成為更適合的領袖人選，我希望他們能將所學到的技能或特質應用在學業、人生甚至是將來的職業上。還有因為我本身並不擅長與人溝通，但經過這3年的時間，我從聽取別人指令，到自己做決定且有條理的交代他人工作，再按每人的需要給予支援與教導，自己從中學到很多，亦希望其他人也能有所得著。



要做一個好的Prefect其實真的不簡單，相信經過上面的介紹大家應該對他們的認識加深了，日後遇到他們執行職務時請給予更多尊重，畢竟他們是在盡自己的本分，完成他們的使命。

（特此鳴謝三位受訪者）

Academic Insight

Visual Arts Department

The Visual Arts Department holds Annual Fashion Shows every year. The Fashion Show is a showcase of the best emerging student designers who may be the future of the fashion industry. With its diversity in textures and original designs, the work of our budding designers astounded even the most seasoned industry professionals.

During the year, our students visited many different Arts Exhibitions such as the Claude Monet Exhibition, Art Basel, HKDI Image Show and the PolyU Fashion Show in 2016-2017. These activities aimed at nurturing students who want to experiment with new concepts and change old perceptions in Art and fashion through creativity, ingenuity and practicality. In the future, we hope that through education in Visual Arts, across the years, students will be able to grow up in a culture that encourages creative thinking and living and broaden their horizons.

Panel Head of Visual Arts Department
Ms June TANG



▲ Dance Club Performance in Fashion Show 2016



▲ The Fashion Show unveils the talent of the best emerging student designers.



▲ Alumni Performance in Fashion Show 2016



▲ Claude Monet Exhibition Visit 2016



▲ HKDI Image Show Visit 2016



▲ PolyU Fashion Show Visit 2016



▲ Art Basel Visit 2017



▲ Inventing Le Louvre Visit 2017



Music Talent Week 2016-17

一年一度的音樂才藝週裡有很多不同種類的音樂活動，令對音樂有興趣的同學能發揮所長，同學對活動的反應也非常熱烈。小記有幸請到音樂聯會會長梁穎晞同學發表感想，以及邀得午間音樂會的表演者們接受訪問，暢談體會。

校報記者：吳紫綸 (5 Hope)、黃珏穎 (5 Joy)、周熙媛 (3 Faith)

今年我們加插了音樂電台的活動，讓同學能在校園內分享自己喜歡的音樂。另外，我們加插了遊戲「高音低音龍虎榜」、老師的心得分享以及抽獎活動。非常感謝同學的踴躍參與。從籌備到正式推行活動，音樂聯會每一位成員也非常努力，互相鼓勵支持，大家付出努力，最後能夠成功舉辦一系列的音樂活動，對我們來說就像見證自己的嬰兒出生一樣。對於同學能夠在這個活動中向大家展示自己的音樂才能，製造一個平台讓大家一起分享音樂，感到非常高興。希望日後大家能繼續踴躍參與音樂活動，一同分享音樂帶來的歡樂。

音樂聯會會長
5 Love 梁穎晞



午間音樂會表演組合：

楊卓衡 (3 Love),
吳晉熙 (3 Peace),
黃樂程 (3 Grace),
劉芷澄 (3 Peace)

他們是四人組合的樂隊，Tim是今次表演的主唱和電結他手，Isaac負責電結他伴奏，Jerry負責Bass，而Kevin負責打鼓。

我相信大家對他們演奏的流行曲都十分熟悉——Supper Moment的「風箏」。這一次是他們第一次參與Music Talent Week，他們認為在中學生涯之中，應該參加一次表演活動，亦希望透過活動加強培基人的音樂文化。

他們在準備的過程有遇上困難，因為他們要分配好時間來練習，在選曲過程中也起了爭執，難以選出合乎大家心意的歌曲，幸好最後他們仍能團結一致。

在表演之前他們十分忙碌，因為他們要準備各種音響設備，而且學校的音響出現了一些小問題，以致他們都十分狼狽。猶幸在表演的時候，他們都能夠順利演出歌曲。雖然表演環境使他們十分緊張，但他們投入其中，最後更得到很多同學的認同，以及全場的熱烈反應。雖然他們認為在這次表演中，只能發揮七成實力，但他們認為可以在將來有更好的表現。

其實在他們表演之前，還有一段小插曲。那就是上一組表演的同學也遇上音響問題，他們只能清唱。於是主唱Tim就為他們伴奏，使那組同學能夠順利演出。由此可見培基人之間的互助精神。

他們希望培基中有更多樂隊，而且能夠投入，享受音樂的樂趣。



午間音樂會表演組合：

黃子勇 (5 Faith), 余錦添 (4 Faith), 吳軍橋 (4 Faith), 湯旻翰 (4 Faith)

他們四位是好友，平日都會一起練習。特別是每逢星期四，他們參加的興趣班A Capella能使他們更熟悉對方，以及培養出一種默契，使他們能夠一拍即合。

他們在練習的過程中十分愉快，是因他們甚少爭執，而且他們沒有遇上甚麼大困難，能夠很快達成共識，選出表演歌曲。同樣是Supper Moment，他們表演的是「無盡」。他們各人負責唱不同的聲部，令歌曲的音韻變得更豐富。

由於他們在表演之前，遇到音響的問題，令他們必須清唱，但他們的士氣並沒有因此而低落，反而更努力地營造氣氛。而且中途慶幸能夠得到下一隊樂手Tim幫忙彈奏，使他們更有動力地唱歌。在表演之後他們覺得培基人很有愛，而且十分之感動。他們亦感謝在表演期間朋友們的打氣，提升了他們的自信心。

他們期望培基人在音樂發展上能夠更上一層樓，學校亦能投資更多資源在音樂發展上，或舉行多一些類似Music Talent Week 的活動，更提議可以透過廣播咪來唱出他們心中的歌曲。

Music Talent Week之後，他們仍然會繼續挑戰學校的各種音樂比賽，如 Singing Contest 或者來年的音樂活動。

School Functions



2016-2017
**The Young Connoisseur
Club activities**



2017-04-30
**Gospel
Sunday**



2017-02-14
**Love
and Sex
Education
Week**



2017-05-05
**AFS
Exchange
Students'
school
visit**



2017-02-28
Sci-Tech@Lunch



2017-05-05
**Solar Model Car
Competition**

