

Evaluation for the Use of Diversity Learning Grant / Gifted Education Programs 2015/16

Gifted Education Committee 2015/2016

Objectives

1. To devise systematic and strategic planning to identify gifted and talented students who possess outstanding performance or potential in some aspects and to foster their holistic development as well as their commitment to serving the community
2. To provide challenging learning opportunities for gifted and talented students so as to fully develop and stretch their potential in a wide range of specialist areas, including leadership, creativity, personal-social competence.
3. To develop school-based training programs and to support students to participate in external competitions and gifted education programs

Note: The Renzulli's Three-Ring Conception of Giftedness and Howard Gardner's Theory of Multiple Intelligences are adopted for screening and selection of gifted and talented students through multiple channels and pathways.

Year Plan under Diversity Learning Grant (DLG)

The activities to be carried out in the academic year 2015/2016 are as follows:

1. ROV Class (Remotely Operated Vehicle) for Inter-school ROV Competition
2. Putonghua Enhancement Course (For S3-S4 students)
3. Strategic planning & Interviewing skills in focused professions (For S6 students)
4. Preparative course for The Beijing Youth Science Creation Competition 2016
5. Preparative course for Scientific Competitions
6. Junior Achievement Company Program 2015
7. Creative English Writing Course
8. Preparative course for Hong Kong Schools Magic Competition
9. Preparative Course for Inter-school Chinese Medicine Competition
10. Faraday Challenge Day 2016
11. Subsidy for external gifted programs

Evaluation of Action Plan & Use of Diversity Learning Grant (2015-16)

Committee: Gifted Education Committee

Major Area(s) of Concern	Implementation Date	Expenditure	Performance Indicators	Results of Evaluation	Person in-charge
<p>1. ROV Class (Remotely Operated Vehicle) for Inter-school ROV Competition</p> <ul style="list-style-type: none"> - To educate students about the knowledge in ROV - To foster application of STEM for problem solving and development of communication skills and leadership 	<p>Sept 2015 to July 2016</p>	<p>Materials & transportation: HK\$30,643</p>	<ol style="list-style-type: none"> 1. Students' attendance is at least 80%. 2. 80% of the participants find the training useful. 3. The knowledge in STEM, creativity, high order thinking, communication skills and leadership of students have been enhanced. 	<ol style="list-style-type: none"> 1. 3 S1 students and 3 S2 students participated in the 11th Hong Kong/Asia Regional of the MATE International Remote Operated Vehicle (ROV) Competition co-organized by the Institution of Engineering and Technology, Hong Kong (IET HK) and HKUST on 16-17 April, 2016. They showed good cooperation, and able to apply their creativity, high order thinking and knowledge in STEM to solve problems. Their robots successfully completed the tasks required by the Challenge. They were enthusiastic and would continue to modify their design to participate in the competition in next year. 2. One S.6 student started to teach the ROV team Arduino programming skills. 	<p>Gifted Education Committee (TSN, WAN, CSH)</p>
<p>2. Putonghua Enhancement Course (For S3-S4 students)</p> <ul style="list-style-type: none"> - To enhance students' Putonghua proficiency especially in speaking and the ability in reading and spelling with Hanyu Pinyin 	<p>From November 2015 to July 2016</p>	<p>Training course: (12 lessons, 18 hours in total) HK\$14,000</p>	<ol style="list-style-type: none"> 1. Students' attendance is at least 80%. 2. 80% of the participants find the course useful. 3. The Putonghua proficiency of students has been enhanced. 	<ol style="list-style-type: none"> 1. 18 students were recruited and their average attendance rate was over 90%. 2. It was observed that the students participated enthusiastically in the class activities, including reading, spelling and games with Hanyu Pinyin. Their pronunciation and confidence of using Putonghua were greatly enhanced. 3. The student survey showed that over 90% of the participants found the course very useful and the course was well organized. 4. 17 out of 18 students had applied for the Putonghua Examination organized by the HKPU. The results would be released in August 2016. 	<p>PTH Dept (THL, MHK) Gifted Education Committee (CSH)</p>

<p>3. Strategic planning & Interviewing skills in focused professions (For S6 students)</p> <ul style="list-style-type: none"> - To train up students' strategic planning skills & self-management skills. - To promote their awareness on JUPAS choices of selection. - To train up students' interviewing skills in focused professions 	<p>Oct 2015 to Dec 2015</p>	<p>Training course: (9 hours x 2 course) HK\$18,100 (by CLPG) HK\$0.00 (by DLG)</p>	<ol style="list-style-type: none"> 1. 80% of the participants find the course useful. 2. 80% of the participants understand better about career choices. 3. Students have carried out focused study at one JUPAS choice. 4. Students have prepared for self-introduction. 	<ol style="list-style-type: none"> 1. The student survey reflected that 100% of the participants found the course useful and they agreed that the course helped them understand better about their strengths and weaknesses, career choices and the strategy of assigning JUPAS choices, and had equipped them with practical interviewing skills through Mock Interview and Self-Introduction. 2. The students performed well in the Mock interview. They prepared suitably for the interview and the interviewing skills like keeping good eye contact, speaking smoothly and confidently, showing courtesy and attention to other candidates were suitably exhibited. 3. The overall attendance rate was 80% and the target was achieved. 	<p>Gifted Education Committee (CSH, KCH)</p>
<p>4. Preparative program for Scientific Competitions</p> <ul style="list-style-type: none"> - To prepare students for The Beijing Youth Science Creation Competition 2016 and other competitions - To train up students' creativity, leadership, problem solving skills and knowledge in STEM 	<p>July 2015 to Aug 2016</p>	<p>Training materials and transportation: HK\$1,000</p>	<ol style="list-style-type: none"> 1. Students' attendance is at least 80%. 2. Students performed well in The Beijing Youth Science Creation Competition 2016 3. Scientific knowledge, and problem solving skills of students have been enhanced. 	<ol style="list-style-type: none"> 1. Five S.4 and S.5 students joined the 36th Beijing Youth Science Creation Competition and were awarded the First Prize of Excellent Youth Science & Technology Innovation Project, and the First Prize Award. 2. The Competition provided a valuable eye-opening opportunity to students and their creativity, leadership, problem solving skills and knowledge in STEM were greatly enhanced. They became more confident and skillful in delivering a speech and giving presentation. 3. They showed enjoyment and pride in sharing their learning experience with schoolmates. 	<p>Gifted Education Committee (CSH, TSN)</p>

<p>5. Preparative course for Scientific Competitions</p> <p>- To train up S4 & S5 students to participate in study project or Research Program</p>	<p>July 2015 to July 2016</p>	<p>Training course: HK\$2,139</p>	<ol style="list-style-type: none"> 1. Students' attendance is at least 80%. 2. 80% of the participants find the courses useful. 3. The research skills and confidence of students have been enhanced. 	<ol style="list-style-type: none"> 1. Two S.6 students modified the "Care Mug" and submitted their design to the Student Biennial Conference 2015. They showcased the product to the public in an exhibition and an oral presentation session organized by HKAGE. 2. They received two awards, the 2nd HKAGE Student Biennial Conference Poster Exhibition – Presenter Award and the 2nd HKAGE Student Biennial Conference Concurrent Session – Presenter Award. 3. They developed their presentation skills and problem solving ability. 	<p>Gifted Education Committee (CSH)</p>
<p>6. Junior Achievement Company Program 2015</p> <p>- To train up S4 & S5 students to participate in Junior Achievement Company program</p>	<p>July 2015 to July 2016</p>	<p>Training course: HK\$3,461</p>	<ol style="list-style-type: none"> 1. The students successfully designed and implemented their own business. 2. Students participate in the final competition. 3. The management, leadership, problem solving skills and confidence of students had been enhanced. 	<ol style="list-style-type: none"> 1. Students successfully set up their own business and sold their products in school and at the trade affair. 2. Students participated in the final competition and won 3 awards (Best Presentation, Creativity and Innovation, and Corporate Sustainability). 	<p>Gifted Education Committee (CSH, KCH)</p>
<p>7. Creative English Writing Course</p> <p>- To train up students' creativity and communication through creative writing</p>	<p>July 2015 to July 2016</p>	<p>Training course: HK\$15,000</p>	<ol style="list-style-type: none"> 1. Students' attendance is at least 80% 2. Students show ability to appreciate English Literature and write poems or other creative writing products 	<ol style="list-style-type: none"> 1. This one of a kind tailored-made English Creative Writing programme had been exclusive for STGSS senior form students. Through intensive 8 weeks training, our students were able to produce high standard prose. It covered the range from fiction to creative non-fiction. Through observation of their open presentation, the creativity, observation, communication skills and English proficiency of students were greatly enhanced. Their motivation and interest in studying English literature were also emerged. Attendance was over 90%. 	<p>Gifted Education Committee (KYF, CSH)</p>

8. Preparative course for Hong Kong Schools Magic Competition	July 2015 to July 2016	Training course: HK\$4,600	<ol style="list-style-type: none"> 1. Students' attendance is at least 80% 2. 80% of the participants find the courses useful 3. The creativity, presentation skill, manipulative skill and confidence have been enhanced 	<ol style="list-style-type: none"> 1. One S.4 student participated in the Hong Kong Secondary School Magic Competition held on 16th July 2016. The student performed well in the competition and it was observed that the presentation skill, manipulative skill and confidence of the students had been enhanced. 2. From an open sharing, the students reflected that Magic training greatly enhanced her confidence in making presentation in front of people and she displayed conscientiousness and perseverance in the training. 	Gifted Education Committee (CSH)
9. Preparative Course for Inter-school Chinese Medicine Competition	July 2015 to July 2016	Training course: HK\$6,450	<ol style="list-style-type: none"> 1. Students' attendance is at least 80%. 2. 80% of the participants find the courses useful. 3. The knowledge in Chinese Medicine & high order thinking skills of students have been enhanced. 	<ol style="list-style-type: none"> 1. Five students entered the finals of the Hong Kong Secondary School Chinese Medicine Competition organized by HKBU. They won the First runner-up. 2. A strong team spirit was successfully cultivated. The two S3 students showed high responsibility and outstanding leadership. They provided excellent mentorship to the S1 and S2 new members. They worked in good collaboration and studied hard on revising the Chinese Medicine knowledge. They also set questions to challenge each other and rehearse for the quiz several times. It greatly helped them to grasp the professional knowledge quickly. 3. They dedicated great effort to prepare for the microfilm to display their research results on specific Chinese Medicine topic. Their knowledge and interest in Chinese Medicine were significantly enhanced, also their creativity, organization and various high order thinking skills were properly fostered. 4. Overall attendance was over 90%. 	Gifted Education Committee (MHM, CSH)

<p>10. Programs for STEM Education</p>	<p>July 2015 to July 2016</p>	<p>Materials and Transportation: HK\$3,540</p>	<ol style="list-style-type: none"> 1. To prepare students well for Joint School Science Competition / other competitions 2. To extend and enrich STEM-related knowledge of students thorough seminars, exhibitions, exchange programs, research and internship. 3. STEM-related knowledge and various generic skills of students have been greatly enhanced. 	<ol style="list-style-type: none"> 1. <u>IJSO HK Screening Test 2015</u> Five students with the best results in IJSO training course were selected to join the IJSO Hong Kong Screening 2015-16. One of them obtained Second Class Award and two obtained Third Class Award. The Second Class Awardee was nominated to join a training course at CUHK. 2. <u>Physics Olympiad 2016</u> Three S.4 students were enrolled to participate in the “Hong Kong Physics Olympiad 2016”. They attended the competition on 8/5/2016 afternoon at the Hong Kong Baptist University. 4C Tang Wing Hin and 4C Chan Chung Ngai obtained a Third Honour Award and Honourable Mention respectively. 3. <u>Hong Kong Biology Olympiad for Secondary Schools 15/16</u> A total of nine S5 students were nominated to participate in the HK Biology Olympiad for Secondary School this year. Extra-lessons were conducted by MHM to equip them with all the essential biology knowledge for the olympiad. They had to complete a 1-hour multiple choice questions which were related to the HKDSE syllabus of Biology. 5C Wong Yuen Yi won the Third Class Honor Award while 5C Cheng Tze Kwan and 5B Kan Ka Chung both attained the Merit Awards. The competition was organized by HKASME in order to promote the learning morals in studying Biology. 	
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				<p>of six S.1 students. All participants had to use limited amount of token to buy some materials for making a robotic arm used in a transplant surgery. Our students learned the importance of team work, communication skills, scientific knowledge and mathematics application. The feedback from the judges and participants were promising.</p> <p>7. <u>Education Fair 2016</u> Six S.4 and S.5 students joined the “The Student Education Fair on Science, Technology, Engineering and Mathematics 2016”. They demonstrated their water level measurement system in the Fair and they obtained the “Outstanding Booth Presentation Award”.</p> <p>8. <u>5th Model Solar Boat Challenge</u> Eight S.3 and S.4 students were selected to participate in the inter-school competition “5th Model Solar Boat Challenge” at Arts & Technology Education Centre (ATEC) on 6/7/2016 (Wed). The students had acquired engineering skills to perform various tests to optimize the speed of their model solar boats. They were inspired to apply physics knowledge in the competition.</p> <p>8. <u>Summer Internship Program at BUHK</u> 5 students were nominated to BUHK to attend a Summer Internship Program about applying DNA technology for toxic metal ions detection. The students found the</p>	
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<p>11. To subsidize students enrolled in gifted education programs offered by local tertiary institutes or external organizations.</p>	<p>Sept 2015 to Aug 2016</p>	<p>\$3,169</p>	<ol style="list-style-type: none"> 1. The students have completed the subsidized courses. 2. Students are able to reflect on their learning and aware of the benefits from the courses. 3. Students share their learning experience with schoolmates. 	<ol style="list-style-type: none"> 1. <u>High School Science Camp 2016</u> Ten S4 students participated in the High School Science Camp organized by the Hong Kong Student Activity Committee. They had an opportunity to stay in the campus of Dalian University and visit the centers of science and technology development, Science Park and laboratories. Students were benefited by making new friends with students from mainland China and Taiwan and widening their horizon on the science development trend in China. 2. <u>John Hopkins University CTY Programme</u> 1 student joined the John Hopkins University CTY Programme. (KYF) Through learning with elite students from other secondary schools, it broadened his horizons. The program was challenging and enriched his knowledge in application of Mathematics in problem solving. 3. <u>Australia National Chemistry Quiz 2016</u> 33 S.3 to S.6 students participated in the Australia National Chemistry Quiz 2016. 	<p>Gifted Education Committee (all members)</p>

				<p>4. <u>HKUST Dual Program</u> Three students completed Dual Program offered by HKUST. 5A Cheung Tin Hang obtained A+ in Physics Level 1 and was enrolled in the Level 2 Physics. 4C Tang Wing Hin obtained A- in Physics Level 2.</p> <p>5. <u>Astronomy Program</u> 3 students were nominated an astronomy program organized by YMCA. Their knowledge in Astronomy, observation and leadership skills were enhanced.</p> <p>6. <u>Outward Bound Leadership training program</u> 10 S4 students were nominated to join the Outward Bound Leadership training program and all of them were awarded the Certificate of Achievement. Their communication skills, problem solving skills, leadership and creativity were greatly enhanced.</p> <p>7. <u>Student Leaders Mainland Exchange Program at Peking University</u> Two team of students were nominated to the Student Leaders Mainland Exchange Program in December 2015 and April 2016 respectively. The students were exposed to a network of student leaders and their leadership, communication skills and inter-personal skills were enhanced.</p>	
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Gifted Education Committee-Use of Diversity Learning Grant
Financial Report 2015-2016

Summary:	
Item 1: ROV Class for Inter-school ROV Competition	30,643
Item 2: Putonghua Enhancement Course (For S3-S4 students)	14,000
Item 3: Strategic planning & Interviewing skills in focused professions	0
Item 4: Preparative course for The Beijing Youth Science Creation Competition 2016	1,000
Item 5: Preparative course for Scientific Competitions	2,139
Item 6: Junior Achievement Company Program 2015	3,461
Item 7: Creative English Writing Course	15,000
Item 8: Preparative course for Hong Kong Schools Magic Competition	4,600
Item 9: Preparative Course for Inter-school Chinese Medicine Competition	6,450
Item 10: Programs for STEM Education	3,540
Item 11: Subsidy for external gifted programs	3,169
Miscellaneous & Reserve	6,998
	Total: \$91,000