

Sha Tin Government Secondary School
Gifted Education Committee: Use of Diversity Learning Grant 2016-2017

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.

SWOT Analysis

Strengths: The school shows full support to the development of gifted education and there exist not few high achieving students in various disciplines in our school.

Weaknesses: Some high achieving students are heavily occupied by a lot of extra-curricular activities and posts of responsibilities, and are unable to participate in gifted education activities.

Opportunities: Gifted education is developing at accelerating speed in recent years and the number and variety of gifted education activities have been significantly increased.

Threats: The frequent change of composition of gifted education committee due to staff posting does not benefit to sustainable development.

Year Plan under Diversity Learning Grant (DLG)

The activities to be carried out in the academic year 2016/2017 are as follows:

1. ROV Class for Inter-school ROV Competition
2. Strategic planning & Interviewing skills in focused professions (For S6 students)
3. Preparative course for Scientific Competitions
4. Arduino Programming course for applications
5. Preparative Course for Inter-school Chinese Medicine Competition
6. Junior Achievement Company Program
7. Creative English Writing Course
8. School Team Sports Training Camp
9. Preparative course for International Junior Science Olympiad (IJSO)
10. Faraday Challenge Day 2017 & Training Course
11. Subsidy for external gifted programs



Renzulli (1978)

Sha Tin Government Secondary School
Gifted Education Committee Action Plan 2016-2017

Item 1: ROV Class (Remotely Operated Vehicle) for Inter-school ROV Competition

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S4-S5 – STEM (Science, Technology, Engineering, Mathematics) Creativity High order thinking communication and leadership	To educate students about the knowledge in ROV To foster application of STEM for problem solving and development of communication skills and leadership	1. A company / tutor specialized in ROV training is hired to provide training to students. 2. Equipment for the training procured 3. Participation in Inter-school ROV competition	The application of STEM in design and making of ROV for Inter-schools ROV competition enhance the development of creativity, high order thinking communication skills and leadership of students	From Sept 2016 to July 2017	Training course (14 hrs): HK\$8,000	1. Students' attendance is at least 80%. 2. 80% of the participants find the courses useful. 3. The knowledge in STEM, creativity, high order thinking, communication skills and leadership of students have been enhanced.	1. Students' attendance 2. Evaluation form 3. Performance in Inter-school ROV competition	Gifted Education Committee (*WAN *TSN)
					Total: \$8,000			

Item 2: Strategic planning & Interviewing skills in focused professions (For S6 students)

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S6-planning and management, Social competence and communication	<p>To train up students' strategic planning skills & self-management skills.</p> <p>To promote their awareness on JUPAS choices of selection.</p> <p>To train up students' interviewing skills in focused professions</p>	<p>1. A company / tutor specialized in problem based learning and skill training, and interviewing skills will be hired to provide training and mock interviews to students.</p>	<p>1. To train up students with skills in planning and self-management, communicative and interviewing skills</p> <p>2. To reduce students' uncertainty about JUPAS.</p>	From September 2016 to July 2017	<p>Training course: (12 hours) classes HK\$8,000</p>	<p>1. Students' attendance is at least 80%.</p> <p>2. 80% of the participants find the course useful.</p> <p>3. Students have carried out focus studying at one JUPAS choice.</p> <p>4. Students have prepared for self introduction</p>	<p>1. Students' attendance</p> <p>2. Evaluation form</p> <p>3. Students' performance in class activities, self introduction and mock interviews</p>	<p>Gifted Education Committee (*KCH, MHM)</p> <p>Careers Committee (KCL, JL)</p>
					Total: \$8,000			

Item 3: Preparative course for Scientific Competitions

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S4 – S6	To prepare students for Joint School Science Competition / other competitions To train up students' problem solving skills, critical thinking skills and research skills	A tutor will be hired to provide training to students. Visits to exhibition, seminars and workshops are organized	1. To prepare students well for Joint School Science Competition/ other competitions 2. Scientific knowledge and problem solving skills of students have been enhanced.	From July 2016 to August 2017	Training course: (20 hours) HK\$10,000	1. Students' attendance is at least 80%. 2. 100% of the students pass the mock test. 3. Students are confident about the IJSO screening test. 4. Scientific knowledge and problem solving skills of students have been enhanced.	1. Students' attendance 2. Students' performance in Scientific competitions	Gifted Education Committee (*MHM, *WAN)
					Total: \$10,000			

Item 4: Arduino Programming course for applications

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S4 & S5- Creativity & High order thinking	To train up S4 & S5 students in Arduino programming related to designs and applications	1. A company / tutor specialized in Arduino programming training skills will be hired to provide training to students.	1. To train up students with Arduino programming skills 2. To enhance their creativity, high order thinking skills and programming skills	From July 2016 to July 2017	Training course (16 hrs): HK\$9,000	1. Students' attendance is at least 80%. 2. 80% of the participants find the courses useful. 3. The creativity skills, programming skills and high order thinking skills of students have been enhanced.	1. Students' attendance 2. Evaluation form 3. Performance in programming competition	Gifted Education Committee (*TSN)
					Total: \$9,000			

Item 5: Preparative Course for Inter-school Chinese Medicine Competition

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementat ion Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S3 to S5- Knowledge of Chinese Medicine & High order thinking	To prepare students for Inter-school Chinese Medicine Competition To foster an appreciation about Chinese Medicine To inspire students about their career planning in Chinese Medicine or related professions	1. A company / tutor specialized in the Chinese Medicine is hired to provide training to students. 2. Equipment for the training procured	1. The knowledge in Chinese Medicine and high order thinking skills have been enhanced. 2. Students are able to complete an investigative study on Chinese Medicine	From Sept 2016 to July 2017	Training course 14 hours HK\$10,000	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.	1. Students' attendance 2. Evaluation form 3. Performance in student project and competition	Gifted Education Committee (*MHM, KYF)
					\$10,000			

Item 6. Junior Achievement Company program

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S4 & S5- Creativity & High order thinking, problem solving skills	To train up S4 & S5 students to participate in Junior Achievement Company program	<ol style="list-style-type: none"> 1. The students would receive a structured training of 53 hours from Junior Achievement Hong Kong 2. Students would design and implement their own business 3. Students would present their design and the results in the competition 	<ol style="list-style-type: none"> 1. To train up students with management, leadership, communication and problem solving skills 2. To extend the horizon and develop confidence of students 	From July 2016 to July 2017	Buying materials:: HK\$3,000	<ol style="list-style-type: none"> 1. Students' attendance is at least 80%. 2. The students successfully designed and implemented their own business. 3. The management, leadership, problem solving skills and confidence of students have been enhanced. 	<ol style="list-style-type: none"> 1. Students' attendance 2. Evaluation form 3. Performance in competition 	Gifted Education Committee (*KCH, MHM) Economics Dept (WWY)
					Total: \$3,000			

Item 7: Creative Writing Course

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S4, 5-Creativity and Communication	To train up students' creativity and communication through creative writing	1. To work in collaboration with The University of Hong Kong to develop a short-term program to train up the creative writing skills of students	1. Creativity, Communication and English writing ability of students have been enhanced 2. Sharing of learning outcomes through publication or open sharing	From Sept 2016 to August 2017	Training course: (18 hours) HK\$15,000	1. Students' attendance is at least 80% 2. Students show ability to appreciate English Literature and write poems or other creative writing products	1. Students' attendance 2. Students' performance in creative writing	Gifted Education Committee (*KYF, MHM)
					Total: \$15,000			

Item 8: School Team Sports Training Camp

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
<p>Gifted Education for School Team Members</p> <p>Generic Skills, especially collaboration skills, communication skills, Problem solving skills, Creativity & High order thinking</p>	<p>To build up teamwork to the teammates</p> <p>Train up students the skills of problem solving in a team.</p> <p>Strengthen individual skills in a sport.</p> <p>Good Discipline is strengthened</p>	<p>1. School Team will be invited to participate in the training camp</p> <p>2. Students are trained of organization, leadership, teamwork and decision making.</p> <p>3. 40 students will be selected</p>	<p>1. To train up students with collaboration skills and communication skills through training.</p> <p>2. To enhance their personal and social competence and confidence through teamwork and activities.</p> <p>3. Self-challenging</p> <p>4. Strengthen the skills of the sports.</p>	<p>From 02 July to 04 July 2017, post -exam activity</p>	<p>Camp Fees: HK \$ 10,000 (Including accommodation and facilities for 3 days and 2 nights)</p>	<p>1. At least 80% students can finish the training successfully.</p> <p>2. 80% of the participants find the camp useful and meaningful.</p> <p>3. The collaboration skills, communication skills and the problem solving skills have been enhanced.</p> <p>4. Improvement of Teamwork</p>	<p>1.Evaluation form</p> <p>2.Performance in the Training Camp</p> <p>3.Sharing session</p>	<p>PE Department (CCH & LNT)</p> <p>Gifted Education Committee (MHM)</p>
					Total: \$10,000			

Item 9: Preparative course for International Junior Science Olympiad (IJSO)

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementat ion Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S1, 2-Scientific knowledge and problem solving skills	To prepare students for International Junior Science Competition (IJSO)-Hong Kong Screening Test To train up students' problem solving skills and critical thinking skills	1. The science teachers and TA (Sci) will be responsible for providing training to students.	3. To prepare students well for International Junior Science Competition (IJSO)-Hong Kong Screening Test 4. Scientific knowledge and problem solving skills of students have been enhanced	From July 2012 to August 2013	Stationery and course materials HK\$1,000	3. Students' attendance is at least 80% 4. 80% of the students passes the mock test 5. Students are confident about the IJSO screening test 6. Scientific knowledge and problem solving skills of students have been enhanced	3. Students' attendance 4. Students' performance in mock test and IJSO screening test	Gifted Education Committee (*MHM, WAN)
					Total: \$1,000			

Item 10: Faraday Challenge Day 2017 & Training course

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S3 to S5- Science, Technology, Engineering and Mathematics	To co-organize Faraday Challenge Day for the education of STEM To foster development of creativity, collaboration, To inspire students about their career planning in Science and Engineering	1. To work in collaboration with Institute of Engineering and Technology 2. To host the event and to invite five more Government Schools to join the competition	1. The knowledge in STEM and high order thinking skills have been enhanced. 2. Students are able to apply their previous knowledge to design an scientific equipment and vehicle to complete the required tasks.	From Sept 2016 to July 2017	Stationery and course materials 1,000	1. Students' attendance is at least 80%. 2. 80% of the participants find the competition and workshop interesting and useful 3. The knowledge in STEM & high order thinking skills of students have been enhanced.	1. Students' attendance 2. Evaluation form 3. Performance of student in the competition	Gifted Education Committee (*MHM, WAN)
					\$1,000			

Item 11: Subsidy for external gifted programs

Task Area	Major Area(s) of Concern	Implementation Plan	Benefits Anticipated	Implementation Schedule	Resources Required	Performance Indicators	Assessment Mechanism	Person-in-charge
Gifted Education for S4-S6	To subsidize students enrolled in gifted education programs offered by local tertiary institutes or external organizations.	<ol style="list-style-type: none"> 1. In September, inform S4-S6 students about the details of application. 2. Collect applications on a monthly basis. 3. Refund payments after students' completion of the courses. 4. Collect students' feedback from the courses. 	<ol style="list-style-type: none"> 1. Students are more committed in the gifted education programs. 2. Students have reflected on what they have learnt from the courses. 	Sept. 2016 – Aug. 2017	\$9,000	<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. Copies of Certificate 2. Evaluation form 	Gifted Education Committee (*MHM)
					Total: \$9,000			

Use of Diversity Learning Grant 2016-2017

Summary:	Item 1: ROV Class for Inter-school ROV Competition	8,000.00
	Item 2: Strategic planning & Interviewing skills in focused professions (For S6 students)	8,000.00
	Item 3: Preparative course for Scientific Competitions	10,000.00
	Item 4: Arduino Programming course for applications	9,000.00
	Item 5: Preparative Course for Inter-school Chinese Medicine Competition	10,000.00
	Item 6: Junior Achievement Company Program 2017	3,000.00
	Item 7: Creative English Writing Course	15,000.00
	Item 8: School Team Sports Training Camp	10,000.00
	Item 9: Preparative course for International Junior Science Olympiad (IJSO)	1,000.00
	Item 10: Faraday Challenge Day 2017 & Training Course	1,000.00
	Item 11: Subsidy for external gifted programs	8,000.00
	Miscellaneous	1,000.00
		Total: \$84,000