

Kwok Tak Seng Catholic Secondary School
Report on DLG-funded Other Programme (Gifted Education)
2021-2022

DLG Balance b/f	\$81,710.50
DLG Received	\$84,000.00
Total Income	\$165,710.50
Less: Expenditure as at 31 Aug 2022	\$81,901.09
Balance c/f	\$83,809.41

Title:	Course by Local tertiary institutes or external organizations
Objectives:	To provide off-site challenging enrichment and extension learning opportunities for the exceptionally gifted students.
Deliverables:	Attend the course by Local tertiary institutes or external organizations - Introduction to University Physics by Science Academy for Young Talent, CUHK - Genetic Engineering Training Programme 2021 by HKFYG
Target:	2 S4 students and 1 S6 student
Selection mechanism:	Nomination by teachers / self-nomination
Duration and venue:	Whole school year Local tertiary institutes
Evaluation:	The attendance rate of the courses is 100%
Expenditure:	\$7600 (\$4300 by DLG)

Title:	Odyssey of the mind
Objectives:	Odyssey of the Mind is an international creative problem-solving program that engages students in their learning by allowing their knowledge and ideas to come to life in an exciting, productive environment. Participants build self-confidence, develop life skills, create new friendships, and are able to recognize and explore their true potential.
Deliverables:	1. Training and Preparation. (September 2021 – February 2022)
Target:	7 S4 students
Selection mechanism:	Teacher nomination
Duration and venue:	September 2021 – March 2022 School campus
Evaluation:	1. This was to provide students with opportunities to apply their knowledge on making

	creatively pros and performance. 2. It is highly recommended to offer a similar programme next year.
Expenditure:	\$1500 (registration fee) \$ 7931.89 + 1720 (material)

Title:	Virtual Study Tour
Objectives:	To broaden the vision and horizon through cross-border interaction with the local community and exploration of the history, and culture of Taiwan.
Deliverables:	One 2 hours virtual study tour in Tai Chung.
Target:	20 S4 students
Selection mechanism:	Nomination by teachers and voluntary participation
Duration and venue:	28/4/2022 Zoom and J504 for the debriefing.
Evaluation:	1. The attendance rate of the workshops is 100% 2. It is recommended to offer a similar programme next year if the outbreak does not end. 3. From the students' feedback, the place of the tour can be changed to the cities in Europe.
Expenditure:	\$2430

Title:	Detective X / Food Science workshops
Objectives:	1. To enhance problem-solving skill by applying the knowledge learned in the classroom. 2. To arouse the interest in Science
Deliverables:	Two 2 hours workshops
Target:	16 S4 students
Selection mechanism:	Nomination by teachers and voluntary participation
Duration and venue:	22/8/2022 – 24/8/2022 J504
Evaluation:	1. The attendance rate of the workshops is 93.75% 2. From the students' feedback, the content is interesting and can enhance their logical thinking skills and gain insights into the basics of Food Science.
Expenditure:	\$9500

Title:	Applied Strategic Thinking (AST™): JUPAS strategy & Study strategy
Objectives:	<ol style="list-style-type: none"> 1, Proprietary problem-solving skills (Bendgin Krow®, 4Q's etc.) help students to think strategically and pave their paths for future planning 2. To identify common problems in examination and focus on the 3 key success factors (understanding, remembering, and getting organized) for better preparation and performance
Deliverables:	Two 3 hours workshops
Target:	16 S4 students
Selection mechanism:	Nomination by teachers and voluntary participation
Duration and venue:	1/8/2022 – 2/8/2022 J504
Evaluation:	<ol style="list-style-type: none"> 1. The attendance rate of the workshops is 93.75% 2. It is recommended to offer a similar programme next year. 3. From the students' feedback, the programme was able to give a better understanding of Jupas system and goal setting.
Expenditure:	\$14000

Title:	Mathematics summer camp
Objectives:	<ol style="list-style-type: none"> 1. To enhance problem-solving skills and creative thinking skills. 2. To arouse the interest in Mathematics
Deliverables:	Five 2 hours lessons for each team
Target:	15 S5 students in three teams and 5 S4 students in one team
Selection mechanism:	<ol style="list-style-type: none"> 1. Students with high ability in Mathematics 2. Teacher nomination / Voluntary participation
Duration and venue:	11 August – 30 August 2022 J504
Evaluation:	<ol style="list-style-type: none"> 1. The average attendance rate of the workshops is about 83.3%. (Some students have to stay in quarantine, they cannot come back to school) 2. It is recommended to offer a similar programme next year.
Expenditure:	\$10480.7

Title:	Biology summer camp
Objectives:	1. To enhance problem-solving skills and creative thinking skills. 2. To arouse the interest in Biology
Deliverables:	Four 2.5 hours of lessons (one lesson is canceled due to Typhoon No. 8 signal)
Target:	4 S5 students
Selection mechanism:	1. Students with high ability in Biology 2. Teacher nomination / Voluntary participation
Duration and venue:	19 August – 31 August 2022 Zoom (The tutor has to stay in quarantine)
Evaluation:	1. The attendance rate of the workshops is 100%. 2. It is recommended to offer a similar programme next year.
Expenditure:	\$1125

Title:	Choose a Book
Objectives:	With the aim to encourage students to read for leisure time, cultivate an interest in reading and develop positive values and attitudes through meaningful reading, the members of the gifted education unit choose and buy a book or two at the bookstore of their own choice.
Deliverables:	Thirty-one books were bought and read. The books will be shared with the other classmate.
Target:	20 S4 students
Selection mechanism:	Teacher nomination
Duration and venue:	July 2022 – December 2022 School campus
Evaluation:	Students feel excited when choosing a book as the choice is a wide range and some students choose books that are difficult to be found in the school library. The books chosen can be shared with a new reader in the next academic year.
Expenditure:	\$4513.5

Title:	AI Puppy Pi ┘ Python programming Course		
Objectives:	<ol style="list-style-type: none"> 1. to inspire and challenge students to learn and creatively apply science, technology, engineering, and math (STEM) to solve problems by AI which is powered by Raspberry Pi 4B. 2. to strengthen students' critical thinking, collaboration, entrepreneurship, and innovation. 3. To encourage students to know the use of Puppy Pi robot in various area. 4. To cultivate students' ability for building robots 		
Deliverables:	<ol style="list-style-type: none"> 1. 4 Puppy Pi Robots 2. 4 hours of course of Ai - Python Programming <ul style="list-style-type: none"> ● AI Puppy Pi ┘ Python programming (10 Students*4hours) ● Basic Programming of AI (1hour) ● Image recognition by AI Python Programming(1hour) ● Virtual Reality recognition by AI Python Programming(2hours) 3. 6 hours of self-directed learning on the robots 4. Train-the-trainer follow-up activities will be held for junior students in next semester. 		
Target:	IT school team students		
Selection mechanism:	Teacher nomination / voluntary participation		
Duration and venue:	JUL 2022	Preparation and configuration of the robots	
	AUG 2022	Implementation of the courses and self-directed learning	
Evaluation:	<ol style="list-style-type: none"> 1. Course evaluation and feedback from students 2. Train-the-trainer follow-up activities will be arranged in next semester. 		
Expenditure:	\$24400		