

## Programme Proposal for Diversity Learning Grant (DLG) 2021-22

<b>Domain</b>	<b>Program / course provider</b>	<b>Objective(s)</b>	<b>Targets(No./level/select ion)</b>	<b>Duration/ Start Date</b>	<b>Deliverables</b>	<b>Teacher-in-charge</b>	<b>Budget (DLG/CEG/ Others) (For official use)</b>
Math	Math Circle Course	To enrich students' mathematics skill for participating Olympiad Math Competitions.	-15 students -F2-F4 students -High Achievers in Mathematics	30 lessons in 1 year	Lessons	Mr Chan WK	\$12,000 (course fee)
<b>TOTAL: 12,000</b>							
Geography	Universities in HK	To enhance students' exposure to aspects related to Geographical knowledge	- 4 students - F4 – F5 - Nominated by Geography Department with academic achievement	July – Aug 2022	Completed tasks assigned by the service providers	Mrs Lee TSM	\$ 10,000 (camp fee)
<b>TOTAL: 10,000</b>							

STEM	HKFYG STEM 工作 坊-天文中的 三角學	To enrich students' knowledge in Science and Math To learn how to integrate and apply the STEM related knowledge to understand the real-world problem	-20 students -F4 to F6 students -Nominated by subject teachers	-2 hours -single lesson	-evaluation form	Mr. LO WY Mr. Choi PS	\$2,500
STEM	HKFYG STEM 工作 坊-材料科學 與科技	Students will be exposed to a variety of modern synthetic materials and understand the scientific principles, characteristics and applications in daily life.	-20 students -F4 to F6 students -Nominated by subject teachers	-2 hours -single lesson	-evaluation form	Mr. LO WY Mr. Choi PS	\$2,000

STEM	HKFYG STEM 工作 坊-力學與結 構工程學	-To learn basic mechanics concepts. Through a series of material testing and experiments, structural tower and bridge construction exercises, students will understand the physical characteristics of general materials and apply them to design and structural construction. To train students' problem-solving and creative abilities.	-20 students -F4 to F6 students -Nominated by subject teachers	-3 lessons -2 hours for each lesson	-evaluation form	Mr. LO WY Mr. Choi PS	\$5,500
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STEM	HKFYG STEM 工作 坊-Arduino 光度指示儀	To learn computer programming and mechanical concepts. Through hands-on programming and design of mechanical structures, robots are constructed and controlled to automatically complete challenging tasks, which trigger their innovative ideas and improve their problem-solving capabilities.	-20 students -F4 to F6 students -Nominated by subject teachers	-2 hours -single lesson	-evaluation form	Mr. LO WY Mr. Choi PS	\$4,500
<b>TOTAL: 14,500</b>							

Science & Mathematics	Secondary School Mathematics and Science Competition 2022 by HKPU	To foster the habits of broadened learning	<u>Number:</u> 12 F.5 students <u>Selection:</u> F.5 students who ranked the top three in Physics, Chemistry, Biology and Mathematics in EOY Assessment in F.4 (2020 – 2021)	April 2022 – May 2022	Students will be exposed to different problems related to science and mathematics.	Mr. Cheng KM	\$ 120 x 12 = \$ 1,440 (Application Fee)
Science (Chemistry)	Australian National Chemistry Quiz (H.K. Section) 2022	To nurture students who are talented in chemistry	<u>Number:</u> 10 F.4 – F.5 students <u>Selection:</u> F.4 / F.5 students who were top 30 % in Chemistry in 2 <sup>nd</sup> Term Assessment in F.4 / F.5 (2021 – 2022)	June 2022– July 2022	Students will be exposed to different chemistry problems which require them to think logically.	Mr. Cheng KM	\$ 80 x 10 = \$ 800 (Application Fee)

Science	HKUST Science Summer Camp 2022	To develop students' interest in learning science	<u>Number:</u> 6 F.4 – F.5 students <u>Selection:</u> <ul style="list-style-type: none"> <li>• F.4 – F.5 students who study at least two of the following subjects: biology, chemistry or physics</li> <li>• F.4 – F.5 students who are talented and interested in science</li> </ul>	July 2022 – Aug 2022	Students will take part in various activities related to science. Students will also know more about the science degree programmes offered by Faculty of Science, HKUST.	Mr. Cheng KM	\$ 800 x 6 = 4,800 (Camp Fee)
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<p>Science (Physics / ICT)</p>	<p>Summer Course by tertiary institutions, e.g. HKUST, CUHK</p> <p><u>Examples:</u></p> <ul style="list-style-type: none"> <li>• HKUST Summer Institute - <i>Internet Games Development for Beginners</i></li> <li>• Science Academy for Young Talent by CUHK - <i>Discovering the Universe / Mysteries in the Atomic World</i></li> </ul>	<p>To enrich students' knowledge about:</p> <ul style="list-style-type: none"> <li>• programming</li> <li>• the universe</li> <li>• the atomic world</li> </ul>	<p><u>Number:</u> 2 F. 5 students</p> <p><u>Selection:</u> Students who were top 30 % in Physics / ICT in EOY Assessment in F.4 (2020 – 2021); and top 30 % in Physics / ICT in 2<sup>nd</sup> Term Assessment in F.5 (2021 – 2022)</p>	<p>July 2022 – Aug 2022</p>	<p>Students will learn about:</p> <ul style="list-style-type: none"> <li>• programming (SVG &amp; JavaScript).</li> <li>• the development of modern astronomy.</li> <li>• the application of physics in understanding the atomic physics.</li> </ul>	<p>Mr. Cheng KM</p>	<p>\$ 3,000 x 2 = \$ 6,000 (Course Fee)</p>
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Science (Chemistry)	Science Academy for Young Talent by CUHK - <i>Analysis in Modern Chemistry / Essentials of Organic Chemistry</i>	<ul style="list-style-type: none"> <li>• To help students keep abreast of modern chemistry</li> <li>• To enrich students' knowledge about organic chemistry</li> </ul>	<u>Number:</u> 4 F.4 – F.5 students <u>Selection:</u> <ul style="list-style-type: none"> <li>• F.4 students: who are interested in organic chemistry</li> <li>• F.5 students: who rank the top 30 % in chemistry in F.5 1<sup>st</sup> and 2<sup>nd</sup> Term Assessments (2021 – 2022)</li> </ul>	July 2022 – Aug 2022	Students will learn basic concepts and techniques in related to: <ul style="list-style-type: none"> <li>• spectroscopic &amp; chromatographic instruments.</li> <li>• organic chemistry.</li> </ul>	Mr. Cheng KM	\$ 3,000 x 4 = \$ 12,000 (Course Fee)
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Science	<p>Science Day Camps / Competitions organized by universities and external organizations</p> <p><u>Examples of theme:</u></p> <ul style="list-style-type: none"> <li>• <i>Applied Biology</i></li> <li>• <i>Chemical Technology</i></li> <li>• <i>Chinese Medicine</i></li> <li>• <i>Pharmacy</i></li> </ul>	<ul style="list-style-type: none"> <li>• To enrich students' knowledge in respective areas</li> <li>• To prepare students who are interested in these areas in future studies and careers</li> </ul>	<p><u>Selection:</u> F.4 – 5 students who are interested in respective areas</p>	Whole year	<p>Students will take part in activities related to applied biology / chemical technology / chinese medicine / pharmacy. Students will also know more about the related degree programmes offered by universities.</p>	Mr. Cheng KM	\$ 4,000 (Application Fee / Camp Fee)
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Science	Secondary Schools – The Hong Kong University of Science and Technology (HKUST) Dual Program 2021	<ul style="list-style-type: none"> <li>To nurture gifted students who are talented in science areas</li> </ul>	<u>Number:</u> 1 – 2 F.5 students <u>Selection:</u> Students who were top 10 % in Physics / Chemistry / Biology in EOY Assessment in F.4 (2020 – 2021)	Nov 2021 – Apr 2022	Students will learn science knowledge at an accelerated pace suitable for talented students, bridging them to future university-level courses with solid background.	Mr. Cheng KM	\$ 14,000 (Program Fee)
Science (Biology)	Hong Kong Biology Olympiad for Secondary Schools (2021/2022) by HKASME	To foster the habits of broadened learning	<u>Number:</u> 10 students <u>Selection:</u> - F.5 – 6 students - F.5 students who ranked the top ten in Biology in EOY Assessment (2020–2021)	Nov 2021	Students will be exposed to different problems related to science	Mr. Cheng KM	\$ 60 x 10 = \$ 600 (Application fee)

Science (Biology)	Day camp (theme: Chinese medicine) by HKU / HKBU	- To enrich students' knowledge about Chinese medicine - To prepare students who are interested in Chinese medicine for future studies and careers	<u>Number:</u> 4 students <u>Selection:</u> - F.4 – F.5 students - F.4 – F.5 students who are interested in Chinese medicine - Priority is given to F.5 students studying chemistry and biology	Whole year	Students will take part in activities related to Chinese medicine.	Mr. Cheng KM	\$ 200 x 4 = \$ 800 (application fee)
Science (Biology)	Science Academy for Young Talent by CUHK (Biology)	To nurture students who are talented in biology	<u>Number:</u> 3 students <u>Selection:</u> - F. 5 Biology students - Academic result will be used for selection - Students who are interested in learning science	Jul – Aug 2022	Students will be exposed to different problems in Biology.	Mr. Cheng KM	\$ 4,000 x 3 = \$12,000
<b>TOTAL: 56,440</b>							

Arts Talk / Artist or Designer Sharing / Design / Drawing Workshop / Information Technology Training Courses	Non-profit making organizations / Employ instructors to teach students exploring different art-making techniques	To enrich students' design techniques / drawing skills  To enrich students' design techniques / drawing skills by using professional software (e.g. Illustrator, inDesign, Photoshop, Premiere)	- 10-30 students - F4-F6 students - Nominated by Visual Arts Department	September 2021 to August 2022	Students' artworks and reflection	Miss Chan SY	\$51,000 for 10-30 students (course fee)
Visit Design / Art Exhibition	i) Business of Design week 2021 ii) Art Basel 2022 (Ticket fee \$350) iii) Fine Art Asia 2022 (Ticket fee \$70) iv) Affordable Art Fair (Ticket fee \$140) v) Exhibition	Enhance students' aesthetic experience	- 45 students - F4-F6 students - Nominated by Visual Arts Department	October 2021 to August 2022	Students' artworks and reflection	Miss Chan SY	\$5,000 (Ticket fee)
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Extra-Curricular Activities	Outward Bound Hong Kong	To push the comfort zones of students, and encourage them to face challenges head-on and train their leadership skills through teamwork with students from other school.	- 8 students (max) -F4 students - Nominated by Class Teachers, Social Worker and ECA Teachers -Self nominated and accessed by teachers	5 consecutive days between December 2020 and March 2021 (usually close to school holidays)	Participation in the 5-day training and a presentation to the whole school.	Mr. Law SK	\$2,400 (subsidy to each participant for HALF of programme fee) (\$19,200)
<b>TOTAL: \$19,200</b>							

**TOTAL: \$168,140**