

6. Technology Education

6.1 Computer Department

Mr. M. Nip

The Computer Department has embarked on a mission to promote STEM education with a technology school approach. Our aims are to enhance students' technological proficiency, foster a passion for innovation, and cultivate a deep understanding of digital literacy and computational thinking.

One of the department's major achievements was the successful revamp of IT lessons, which are now transformed into two distinct subjects: Digital Literacy and Computational Thinking. This restructuring garnered significant positive feedback, with an overwhelming 90% of students expressing enjoyment and satisfaction with the new arrangement. A comprehensive student survey conducted in June 2023 revealed that 92% of students embraced and appreciated the opportunity to learn both Digital Literacy and Computational Thinking. The survey indicated that 94% of students maintained their interest in these subjects, with 55% displaying an increased level of enthusiasm for learning.

The evaluation of the revamp also highlighted the notable impact it had on students' academic performance. An impressive 89% of students reported satisfaction with their results in Digital Literacy and Computational Thinking. This demonstrated not only their engagement but also their progress and mastery of the subject matter.

In addition to the curriculum enhancements, the Computer Department actively encouraged innovation and technology through the establishment of an Innovation and Technology Team. This team represented the school to compete in all seven categories of the International Youth Tech Olympics 2023. Among the seven categories, namely AI, AR, IoT, game coding, digital arts, robotics, and drone coding, our school emerged as champions in six out of seven categories, and the Grand School Champion. This achievement showcased our students' dedication, creativity, and technical skills.

Furthermore, students had the opportunity to participate in extracurricular activities to learn all latest technologies, such as blockchain, artificial intelligence, metaverse, digital creative design, apps development, etc. These activities not only provided a platform for students to equip themselves for the future but also fostered in them a spirit of collaboration and camaraderie.

In conclusion, the achievements of the Computer Department during this academic year have exemplified our dedication to promoting STEM education and nurturing a culture of innovation and technology. Through the revamp of IT lessons, the establishment of the Innovation and Technology Team, and participation in various competitions, students have not only developed a strong foundation in digital literacy and computational thinking but also demonstrated exceptional skills and achievements in the field of technology.

6.2 Technology and Living

Ms. P. Ho

After overcoming the long-term obstacle of the pandemic, we have gained more experience in curriculum tailoring and blended learning. The T&L Department has been reviewing the curriculum, implementing design projects to enhance students' learning efficacy. All S2 and S3 students have to brainstorm ideas, collect information about design concepts and verify the feasibility by putting abstract ideas into practice.

The Food Science and Technology (FST) curriculum in S2 has now included the Meal Planning Project, which focuses on "Planning Meals for Different Age Groups". Students were first taught the principles and techniques of analysing the nutritional concerns. Then they were requested to design a menu and make recipe adaptation to meet the requirements of the given scenario. A timed practical assessment was held near the end

of the term, where students worked in groups of four to prepare and serve a three-course meal, showcasing their culinary art skills.

“Food Product Design Project for Charity Fund Raising” has been incorporated into the S3 FST curriculum. Students were engaged in designing and developing a food product for fundraising purposes. They worked enthusiastically to grasp the basic information of NGOs, learn and showcase concepts and skills related to food production, business planning, budgeting, packaging and advertising. The proposals and skill assessment yielded highly encouraging results, showcasing the girls’ exceptional creativity, proficient cooking skills and keen sense of aesthetics.

In the Fashion, Clothing, and Textile (FCT) curriculum, we have introduced the “Angel Clothes” Sewing Service Project in S2. With the invaluable support of the “Take Care Annie, Love Life Project” by the YWCA Family Wellness Centre (Yau Yat Chuen), all S2 students were educated about the pressing social issue of miscarriage and stillbirth in Hong Kong. Subsequently, they acquired step-by-step sewing skills to create “little angel clothes”, which were compassionately provided to eight partner hospitals offering obstetrics and gynecology services, supporting families affected by pregnancy loss and infant death. All the girls gained invaluable experiences through this meaningful project, learning to cultivate resilience and positivity in the face of uncertainty, as well as developing an appreciation for and cherishing their family relationships.

In the S3 FCT curriculum, “Textile Design Project for the People with Disabilities” has been included. All S3 girls were tasked with studying the background information regarding the challenges faced by people with disabilities. They presented a proposal that effectively conveyed the needs of the target service group, outlined ideas for the proposed textile product and an action plan for production. Throughout the prototype development process, they gained hands-on experience in the P.I.E. cycle and examined feasibility.

Students have exhibited remarkable dedication and enthusiasm in their design work, cooking endeavors, and sewing practice. Many girls have showcased exceptional skills and creativity in their projects. All students have gained valuable insights across the curriculum, realising the importance of teamwork and cultivating a sense of responsibility towards oneself, family and the community.

Thanks to the Co-curricular Enrichment programme, we introduced cooking lessons for S4 and S5 students this year. The senior girls enthusiastically embraced these lessons and thoroughly enjoyed the opportunity to learn advanced bakery techniques.

Despite the limited contact hours in half-day school, the hospitality and service projects remained unaffected. In October 2022, we successfully organised the “Get Redressed Month” event. Thanks to our students’ enthusiastic participation, we were able to donate hundreds of garments and successfully raised awareness about sustainable fashion within the community. The Hospitality Committee headed by 5W Justina Zhou and Tobey Lee as well as the Food Technology Club headed by 5W Vivian Wong and 4Z Hazel Law assisted with the preparation of the tea reception for the Speech Day and the Careers Fair. The committee members from both teams displayed exceptional skills and put in extraordinary effort in preparing and serving uplifting refreshments at various school events, delighting the guests with pleasant surprises. The girls experienced a sense of joy and accomplishment as they witnessed the fruits of their hard work.

For internal activities and competitions, the committee members of the Food Technology Club played a crucial role in planning and organising five OLP sessions, which covered various topics such as western pastry making, cake baking and dough preparation. This invaluable experience has enriched their school lives and equipped them with essential leadership skills for the future. A cooking competition was successfully held in mid-July, right after the final examinations. A group of girls from 4Z, consisting of Chan Yee Suen Kitty, Sin Lok Yee Joey, and Lee Tsing Yau Chloe, emerged as the champions by showcasing impeccable skills that perfectly captured the theme “The Authentic DGS Spirit.”

As for FCT-related activities, 3U Wo Hoi Yiu Richelle won the Fabric Pattern Design Competition, achieving the highest number of votes. 3W Chung Hei Man Isabel secured the second position, while 3Y Luk Cheuk Yiu Sylvia came in third. Additionally, during the summer, the Hospitality Committee organised the Textile

Art Competition with the theme “An Average Day at DGS”. The competition included training sessions aimed at fostering students’ interest in design and textile.

With the resumption of OLE activities, the Headmistress supported the department in arranging two sewing workshops by deploying two experienced professionals. Seven students enrolled in the intangible cultural heritage arts course focused on cheongsam-making, while 11 girls participated in the creative sewing workshop, which involved designing and crafting a top. Not only did our talented students exhibit enthusiastic participation, but they also demonstrated remarkable creativity and exceptional skills throughout the process.

This year, 2Y Cheung Yin Bin Savina and 3W Tsang Evelyn Wai Ning demonstrated exceptional work in both FST and FCT disciplines, earning them the well-deserved subject prize. Congratulations to all individuals who have exhibited unwavering dedication and worked tirelessly throughout the year.

To close, I would like to express my heartfelt gratitude to our Headmistress Mrs. Lau, colleagues Miss C. Au, Miss J. Lau and Ms. A. Sy as well as Janitor Yuk for their support and contribution in the past year.

6.3 Business and International Studies Department

Mr. A. Ebrahim

The Business and International Studies department aims to equip students with life-long skills and practical knowledge to thrive in a dynamic and complex global market.

The department’s primary responsibility lies with delivering the Business, Accounting and Financial Studies (BAFS) HKDSE Accounting Module to senior school students. As its name suggests, this comprehensive subject consists of a broad array of topics, ranging from introductory management skills, preparation of accounts and financial statements, cost accounting strategies, to knowledge of our business environment. Students actively learn about the world of business and develop skills applicable to all professional walks of life.

This past year, students continued to excel in this subject. The HKDSE results for BAFS were outstanding with several students scoring 5* or above, including five girls who attained a 5**. Additionally, many BAFS students continued to sit and achieve excellent results in other related external assessments.

Activities and competitions outside of the classroom are equally important to achieving our objectives. This year, several girls were able to explore business-related knowledge and skills. For instance, some students joined the Business Excellence Contest 2022/23. They analysed a real corporation in Hong Kong and made use of their creative and critical thinking skills to prepare a report. One group was rewarded with a Judges Commendations Award. Furthermore, a group of girls joined the HSBC Young Financial Planners Programme, where they had the chance to meet the Financial Secretary and propose their thoughts about Hong Kong’s budget. Additionally, some students joined the IdeaPOP! 2023 Hong Kong Secondary School Students Startup Pitch competition, performing admirably and reaching the Semi-Finals. These experiences were all educational and rewarding, as girls were able to utilise their research, creative and problem-solving skills in the process of producing their work.

We also continued to encourage students to expose themselves to the business world. Five of our students were able to attend the HKGCC Business Summit 2023, where they were able to interact with over 200 business leaders and CEOs. They heard Keynote speeches from the Chief Executive of Hong Kong, the Financial Secretary and the Chief Executive of the HKMA, amongst many others. Finally, a large group of BAFS students also visited the offices of Hutchinson Telecom, where they learned about new innovative products that the company has launched.

The success of the department would be impossible without the support of others. Firstly, Mrs. Lau has steadfastly supported our plans and been a consistent source of guidance. Mrs. M. Cheng has proven herself to be an enthusiastic and capable member of the department. I also wish to express my sincere thanks to Ms

W Cheung, who stepped in to teach BAFS in the middle of the academic year. She built a good rapport with the girls and ensured that they were all able to thrive in their learning of BAFS. All our partner organisations have also provided opportunities, their time and their resources to our students, and we owe them all a debt of gratitude.