

CCC Kei Yuen College
2023-2024
Year Report - Physics

- 1 Major concerns:
 - 1.1 To strive for academic excellence
 - 1.2 To embrace whole-person development

- 2 Achievements and reflection on major concerns:
 - 2.1 To strive for academic excellence:

Targets	Achievements	Reflection
<ul style="list-style-type: none"> • To foster proactive and self-motivated learners 	<ul style="list-style-type: none"> • 9 pre lesson tasks are given. • DSE and textbook article reading questions are used. In S5 First Term Exam, 1 question involving article reading strategies is set. • Videos are provided for every exam questions for S4 and S5 Ss. 	<ul style="list-style-type: none"> • Ss are required to watch video or read textbook before answering the pre lesson tasks. The learning objectives are stated in the pre lesson tasks. These tasks are then extended in the classroom teaching. • However, our panel members are more keen on using video to promote self learning and self reviewing, so the reading strategies are extended to watching videos, following with guided questions.
<p>Feedback and Follow-up</p> <ul style="list-style-type: none"> • Breadth of Knowledge: Equip Ss with board and solid knowledge base to understand contemporary issues that may impact on students daily lives at personal level. • Generic Skills: Allow students to become a self directed learners for future study and work. • Information Literacy: Enjoy the flexibility to use information and information technology effectively. 		

Targets	Achievements	Reflection
<ul style="list-style-type: none"> • To unleash students' academic potential 	<ul style="list-style-type: none"> • 10 sets of eMarkers report are made. • Pre S1 AT and DSE School Statistical Report and the past value-added figures are reviewed in devising action plans for S6. • LHS shares using pre lesson – experiment – exam based questions cycle to reinforce students' understanding and answer precisely in exam. • OQB and YouTube are widely used as online self-learning resources for students. Simulations provided by EDB are also shared to students. 	<ul style="list-style-type: none"> • Different strategies are employed for follow up assessment. Eg, post test, misconception test, etc. • Enhancement programs are provided for both S5 and S6 students to improve students' academic performance. • The new DFS function in OQB will be adopted in the coming academic year to provide timely and individualized feedback to students.
Feedback and Follow-up		
<ul style="list-style-type: none"> • Generic Skills: Allow students to become a self directed learners for future study. • Information Literacy: Provide individualized feedback to address corresponding needs. 		

Targets	Achievements	Reflection
<ul style="list-style-type: none"> To cater for students' diversities with various talents and learning needs 	<ul style="list-style-type: none"> Knowledge management implementation has been promoted to used Kei Yuen Cloud. Excellence awards are set up according to subject based criteria in each exam. At least one student in final exam is eligible for the improvement award. 	<ul style="list-style-type: none"> 42 sets are uploaded in Kei Yuen Cloud with an index page. For S4 to S6, in the first term, there are 11 excellence awards and 3 improvement awards. For S4 to S5, In the second term, there are 5 excellence awards and 6 improvement awards.
Feedback and Follow-up		
<ul style="list-style-type: none"> Life Planning: The awardees understand their own interests, aptitudes and abilities, and to develop and reflect upon personal goals with aspirations for further studies. The awards may have a positive impact on all students to strive hard for their goal in their future studies and career. 		

2.2 To embrace whole-person development:

Targets	Achievements	Reflection
<ul style="list-style-type: none"> To nurture positive values and attitudes in students 	<ul style="list-style-type: none"> S5 students are required to take a picture and explain the physics principles involved during the school outing. 46 pieces of works are received and shared among students 	<ul style="list-style-type: none"> It is concrete evidence of enhancing Keiyuenese virtues (Love of learning). The sharing and discussion thereafter are also highly appreciated.
Feedback and Follow-up		
<ul style="list-style-type: none"> Breadth of Knowledge: Students acquire and construct a broad and solid knowledge base, and to understand contemporary issues that may impact on students' daily lives at personal and community levels. It also provides chances for students to share and communicate scientifically. 		

Targets	Achievements	Reflection
<ul style="list-style-type: none"> • To support and assist students to achieve a sense of accomplishment • To develop students' career aspirations 	<ul style="list-style-type: none"> • Students have participated in 2 gifted courses and 5 external competitions. 	<ul style="list-style-type: none"> • 4 S4 students have made their video about building a catapult. Students show initiative in learning proactively and infuse knowledge with hands on experience. • 5 S4 and S5 students have participated in the Aerosim Aviation Tournament 2024. All of them have successfully entered as finalists. They are awarded with the 2nd runner up of the Longreach Award in the Glider Launch Challenge, and one student has won the Silver Award in Grand Championship and a scholarship to Australia to have flight training. • 2 S4 students have participated in the competition "Eggs hit the Earth". They are awarded the Second runner up. • 14 S4 to S5 students, in 3 teams, have participated in 18th Infrastructure Building Competition for Secondary Schools 2024. 1 team has entered the final round. In the competition, students understand the modern building technology in China (MiC method), it deepens the understanding of the knowledge in this field.

		<ul style="list-style-type: none"> • S1 to S4 students have participated in an Aviation Elementary Course and FFM Boeing Digital Platform Certificate Course. They have opportunities to have a dialogue with the current pilot as well as having lectures about aero knowledge. This prepares them to be an engineer or an pilot in the future. All students are successfully pass in the Certificate Exam held at the end of the corresponding courses and are invited to attend the presentation ceremony held in July. • 1 S6 student has participated in a gifted course on Quantum computing. Students would engage in cutting edge research and be inspired to pursue careers in the fields related to physics.
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Feedback and Follow-up

- **National and Global Identity:**
Students may develop an appreciation of proper values and attitudes towards Chinese building culture, and respect for pluralism in society.
- **Generic Skills:**
Through competitions, students are worked as team. They need to solve the problems accordingly. They can develop problem solving and the necessary generic skills.
- **Life Planning:**
The nomination of students to participate and their hard works in different competitions provides them with valuable opportunities to understand their own interests, aptitudes and abilities, and to develop and reflect upon personal goals with aspirations for further studies and careers.

3. Financial report:

No.	Category	Particulars	Special Grant	Budget(\$)	Actual Expenditure(\$)
1	Teaching Aids/ Materials	Slotted weight hanger with 100 g weights	F&E	2,000	630
		Student Joulemeter	F&E	9,600	8,800
		Calorimeter Joule's	F&E	1,500	576
2	Activities	Inter-school Competition		1,000	0
		Board Display		200	0
		Materials		300	0
		S5 Enhancement Prog (\$200 x 30 hrs)	CEG	6,000	2,800
		S6 Enhancement Prog (\$200 x 30 hrs)	CEG	6,000	0
3	Others	Miscellaneous items		100	0
			Total	26,700	12,806

4. Major concerns in 2024-25:

4.1 To deepen and sustain Academic Excellence

4.1.1 To deepen the positive impact of proactive learning

4.1.2 To focus on learning and teaching effectiveness

4.1.3 To accommodate the diverse needs of students in learning

4.1.4 To develop talented students via curriculum initiative with global citizenship, innovation & technology, Entrepreneurship and culture sustainability

4.2 To uphold and enhance Whole Person Development

4.2.1 To uphold the development of students with Keiyuenese virtues, positive attitude, information literacy and career aspiration

4.2.2 To cultivate the leadership of students with effective habits and the sense of achievement

4.2.3 To develop a heart of loving and serving people of our society, Hong Kong and mainland China through values education

4.2.4 To foster healthy lifestyle and persevere physical and mental wellness

Working team:

Cheng Ho Kwun (Panel Head), Lam Hon Sum