CCC Kei Yuen College
Year Plan - Integrated Science

1 Aims:
- 1.1 To arouse students' curiosity so as to develop their interest in Science.
- 1.2 To help students learn the basic experimental skills and the use of general apparatuses.
- 1.3 To raise students' awareness of laboratory safety.
- 1.4 To develop students' creative thinking.

2 Present situation:
- 2.1 Strengths:
  - 2.1.1 Teachers are well-experienced and enthusiastic about teaching.
  - 2.1.2 Teachers are active in attending the seminars related to the new curriculum so that they have better understanding of the new trends in science.
  - 2.1.3 Laboratory facilities are renewed constantly.
  - 2.1.4 Many students are interested in science.
- 2.2 Weaknesses:
  - 2.2.1 Students are too dependent on the experiment steps shown in the textbook when they are doing practical work, showing their lack of high-order thinking skills.
  - 2.2.2 Students with keen interest in science and higher ability are not catered for in the current curriculum.

3 Major concerns:
- 3.1 To promote mobile learning.
- 3.2 To cater for the more able students in Science.

4 Implementation Plan and Methods of Evaluation:

4.1 To promote mobile learning:

Targets	Strategies	Success Criteria	Methods of Evaluation	Time Scale	Teacher in Charge	Resources Required
• Enhance self-directed learning through mobile devices	• Encouraging teachers to attend training courses for mobile learning • Use mobile apps to assist learning in lab sessions	• Each subject teacher attend one training course for mobile learning • S.2 Use two lessons to let student use mobile apps in group experiment e.g.action rocket	• Teacher observation	Whole year	Subject teachers	• Action rocket kits

4.2 To cater for the more able students in Science:

Targets	Strategies	Success Criteria	Methods of Evaluation	Time Scale	Teacher in Charge	Resources Required
• To nurture students' Science excellence	• Encouraging students to take part in Science competitions, activity leader and gifted education courses	• Each subject teacher takes part in one Science activity e.g. Joint school Science exhibition, competitions, Creative fun day-Science helpers, gifted education courses and etc.	• Records of students participation in different activities	Whole year	Subject teachers	/

5 Budget:

No.	Category	Particulars	Budget($)
1	Teaching Aids/Materils	Action Rocket kit	45,500
2	Activities	Bridging prog. for S4(CEG) ($150 x 9 hrs)	1,350
		STEM Week Board Display & Prizes	1,600
		Files	50
		Coach and tickets fee (LWL)	13,000
		Visit fee for teachers (LWL)	1,000
		Maths & Science Quiz (LWL) (Application fee)	8,000
3	Others	Consumable: Chemical/Glassware	11,000
		Miscellaneous items	200
		Total	81,700

6 Working team:
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