

CCC Kei Yuen College
2017-2018
Year Plan - Mathematics

1 Aims:

1.1 Students:

1.1.1 Junior Secondary Stage:

1.1.1.1 To develop students' interest in Mathematics and strengthen their logical analysis and reasoning abilities so that they can learn happily.

1.1.1.2 To continue to develop students' arithmetic ability.

1.1.1.3 To enhance students' skills in manipulating mathematical symbols.

1.1.1.4 To introduce Mathematics concepts to help students understand the application of Mathematics in daily life.

1.1.2 Senior Secondary Stage:

1.1.2.1 To further develop students' Mathematics knowledge, skills and concepts.

1.1.2.2 To equip students with comprehensive Mathematics concepts so that they can fulfill the requirements for further studies and future career development.

1.1.2.3 To enhance students' Mathematical ability and strengthen their confidence in Mathematics, and develop their ability to use Mathematics to solve problems, reason and communicate.

1.1.2.4 To help students to use Mathematics as a tool to understand other subjects.

1.2 Teachers:

1.2.1 To promote inter-flow between teachers so as to enhance the quality of teaching.

1.2.2 To encourage teachers to pursue further education in order to strengthen their professional knowledge of the subject.

2 Present situation:

2.1 Strengths:

2.1.1 Teachers have enthusiasm for teaching. They are willing to take the courses held by the Education Bureau to enhance their professional knowledge of the subject. In subject meetings, teachers take part in discussions actively and make constructive suggestions.

2.1.2 Teachers deal with the changing curriculum positively and make amendments to their teaching methods and concepts constantly.

2.1.3 Peer lesson observations are conducted frequently and teachers are willing to share their own teaching experience to promote professional development.

2.1.4 To raise students' interest in learning Mathematics, we organise a wide range of activities for students each year, including Stem Week, Mathematics Club and participating in territory-wide Mathematics competitions.

2.1.5 We purchase teaching aids and reference books constantly to enhance

the efficiency of teaching and enrich the teaching contexts.

2.2 Weaknesses:

2.2.1 Some students are weak in English, this affects their understanding of the questions.

2.2.2 There are significant differences in Mathematical ability among students even in the same class.

3 Major concerns:

3.1 To broaden students' horizons and learning experiences.

3.2 To promote mobile learning.

4 Implementation Plan and Methods of Evaluation:

4.1 To broaden students' horizons and learning experiences:

Targets	Strategies	Success Criteria	Methods of Evaluation	Time Scale	Teacher in Charge	Resources Required
<ul style="list-style-type: none"> Let students have more exposure to inter-school competitions 	<ul style="list-style-type: none"> Encourage more students to participate in inter-school competitions 	<ul style="list-style-type: none"> More than 40 students participated in inter-school competitions 	<ul style="list-style-type: none"> Review in subject meeting 	Whole year	CT Choi	

4.2 To promote mobile learning:

Targets	Strategies	Success Criteria	Methods of Evaluation	Time Scale	Teacher in Charge	Resources Required
<ul style="list-style-type: none"> To prepare teachers for mobile learning 	<ul style="list-style-type: none"> Teachers participate in mobile learning 	<ul style="list-style-type: none"> Each teacher attempt at least one time in mobile learning 	<ul style="list-style-type: none"> Review in subject meeting 	Whole year	SC Kwan	

5 Budget:

No.	Category	Particulars	Budget(\$)
1	Teaching Aids/ Materials	1. 3D printing pen x 20	\$18,000
		2. Filament for 3D printing pens	\$3,000
2	Activities	Form-based Activities	
		S1: \$200	200
		S2: \$200	200
		S3: \$200	200
		STEM Week	700
		Life-wide Learning Day	1,200
		Bridging prog. for S1(CEG)(\$150x8 hrs)	1,200
		S1 Enrichment program(CEG)(\$150x24hrs)	3,600
		S1 Enhancement Prog. (CEG)(\$150x32hrs)	4,800
		S2 Enhancement Prog. (CEG)(\$80x80hrs)	6,400
		S3 Enhancement Prog. (CEG)(\$80x224hrs)	17,920
		S1-3 Olympic Maths Prog.(CEG)	4,000
		S1 Gifted Prog. (CEG)(\$80x24 hrs)	1,920
		S2 Gifted Prog. (CEG)(\$80x16 hrs)	1,280
		S3 Gifted Prog. (CEG) (\$80x16 hrs)	1,280
		S4 Gifted Prog. (DLG)	9,000
		S5 Gifted Prog. (DLG)	4,800
		S4 Enhancement Prog. (CEG)(\$150x60hrs)	9,000
		S5 Enhancement Prog. (CEG) (\$150x60hrs)	9,000
		S6 Enhancement Prog.(CEG)(\$150x200hrs)	30,000
	Inter-school Competition	1,600	
3	Others	Miscellaneous items	860
Total			130,160

6 Working team:

Kwan Sai Chung(Panel Head), Choi Chun Tung(Assistant Panel Head),
Cheng Ho Kwun, Cheng Pui Ki, Chu Chun Chuen, Fan Kwok Wai, Cheng Sau Ha, Lau
Chan Sing, Lee Wai Lit, Liu Luen On, Wong Sim Hung, Ng Chung Win, Chan Chun
Chuen.