

CCC Kei Yuen College  
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 organize a wide range of activities for students each year, including Stem Week, Mathematics Club and participating in territory-wide Mathematics competitions.

- 2.1.5 Teaching aids and reference books constantly are purchased 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 enhance curriculum planning.
  - 3.2 To enhance mobile learning.
  - 3.3 To reinforce gifted education.

4 Implementation Plan and Methods of Evaluation:

4.1 To enhance curriculum planning.

| Targets  | Strategies   | Success Criteria   | Methods of Evaluation   | Time Scale | Teacher in Charge | Resources Required |
|--|--|--|---|------------|-------------------|--------------------|
| <ul style="list-style-type: none"> <li>To enhance curriculum planning</li> </ul> | To enroll teachers in EDB Online Foundation Course in Gifted Education for Teachers. | <ul style="list-style-type: none"> <li>More than 3 teachers completed EDB Online Foundation Course.</li> </ul> | <ul style="list-style-type: none"> <li>Review in subject meeting</li> </ul> | Whole year | SC Kwan           | /                  |

4.2 To enhance mobile learning:

| Targets   | Strategies  | Success Criteria  | Methods of Evaluation   | Time Scale | Teacher in Charge | Resources Required |
|---|---|---|---|------------|-------------------|--------------------|
| <ul style="list-style-type: none"> <li>To prepare teachers for mobile learning</li> </ul> | <ul style="list-style-type: none"> <li>Teachers participate in mobile learning</li> </ul> | <ul style="list-style-type: none"> <li>Each teacher has participated in mobile learning</li> <li>At least 2 sharing in mobile learning during subject meeting.</li> </ul> | <ul style="list-style-type: none"> <li>Review in subject meeting</li> </ul> | Whole year | SC Kwan           | /                  |

4.3 To reinforce gifted education:

| Targets  | Strategies  | Success Criteria   | Methods of Evaluation   | Time Scale | Teacher in Charge | Resources Required |
|--|---|--|---|------------|-------------------|--------------------|
| <ul style="list-style-type: none"> <li>Let students have more exposure to inter-school competitions</li> </ul> | <ul style="list-style-type: none"> <li>Encourage more students to participate in inter-school competitions</li> </ul> | <ul style="list-style-type: none"> <li>More than 45 students participated in inter-school competitions</li> <li>Join different types of competition like Statistical project competition.</li> </ul> | <ul style="list-style-type: none"> <li>Review in subject meeting</li> </ul> | Whole year | CT Choi           | /                  |

5 Budget:

| No. | Category                    | Particulars                              | Budget(\$) |
|-----|-----------------------------|--|------------|
| 1   | Teaching Aids/<br>Materials | /  | 0          |
| 2   | Activities                  | Life-wide Learning Day                   | 1,200      |
|     |                             | Bridging prog. for S1(CEG)(\$150x8 hrs)  | 1,200      |
|     |                             | S1 Enrichment program(CEG)(\$150x45hrs)  | 6,750      |
|     |                             | S2 Enrichment program(CEG)(\$150x60hrs)  | 9,000      |
|     |                             | S1 Enhancement Prog. (CEG)(\$80x60hrs)   | 4,800      |
|     |                             | S2 Enhancement Prog. (CEG)(\$80x80hrs)   | 6,400      |
|     |                             | S3 Enhancement Prog. (CEG)(\$80x224hrs)  | 17,920     |
|     |                             | S1-3 Olympic Maths Prog. (LWL)           | 12,000     |
|     |                             | S1 Gifted Prog. (CEG)(\$80x12 hrs)       | 960        |
|     |                             | 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                 | 4,000      |
| 3   | Others                      | Miscellaneous items                      | 1,000      |
|     |                             | Total                                    | 124,290    |

6 Working team:

Kwan Sai Chung(Panel Head), Choi Chun Tung(Assistant Panel Head),  
 Chu Chun Chuen, Fan Kwok Wai, Lau Chan Sing, Lee Wai Lit,  
 Liu Luen On, Wong Sim Hung, Wong Cheuk Hin, Chan Chun Chuen.