Science Education for Junior Forms

1. Teaching Objectives
   1.1 To cultivate in students the basic scientific skills and knowledge, enabling them to develop further their exploratory capabilities in science.
   1.2 To instill in students the objective and scientific attitude towards matters, to develop their curiosity and exploratory interest, raising their concerns for science and technology.
   1.3 To teach students to solve problems with scientific knowledge and methods.
   1.4 To cultivate the students' sense of civic responsibility, caring for the environment and using resources wisely.

2. Teaching Strategies (All-Round Learning)
   2.1 To adopt the Enquiry Learning Approach: Using real-life scenario to encourage students to ask questions, discuss issues and design appropriate experiments to find the solutions.
   2.2 To enrich learning activities through project learning, data research, group work, and visits.
   2.3 To instill in students a regular revision habit with brief pop tests.
   2.4 To encourage students to expand their reading repertoire to cover science materials, so that they can broaden their horizons and deepen their interest in reading.
   2.5 With the knowledge gained from the foundation curriculum, together with students' performance, students would be able to choose the correct subjects in the senior form.

3. English Bridging programme
   3.1 All topics for F.1 are taught through EMI, and some topics for F.2 and 3 are supplemented with English notes and summary to facilitate learning in English so that students will be better prepared for EMI learning in senior forms.
   3.2 An English vocabulary list and exercises are given to students for the teaching materials of the junior form so that students can learn to express their subject knowledge in English.

4. Assessment

4.1	Examination	75%
4.2	Science assignment	10%
4.3	Tests and classroom performance	15%

初中年級科學教育

1. 教學目標:
   1.1 讓學生掌握基本科學知識和技能，以發展學生科學探索的能力。
   1.2 培養學生科學態度，發展好奇心及探究興趣，及對科技的關注。
   1.3 讓學生學懂應用科學知識及方法以解決問題。
   1.4 培養公民責任感，懂得愛護環境及善用資源。

2. 教學策略(全方位學習):
   2.1採用「探究式教學」: 從日常生活事例帶出問題，鼓勵學生參與提問、討論、設計實驗以找出答案。
   2.2推行專題作業、資料蒐集、小組協作、參觀等多元化學習活動。
   2.3簡短的不定期測驗， 以培養學生良好的溫習習慣。
   2.4鼓勵同學閱讀科普書籍，擴闊閱讀範疇，開展同學的科學視野及培養閱讀興趣。
   2.5學習基礎課題，讓學生可探索個人學習興趣，因應學習表現和需要，以選修高中科學科目
3. 英語銜接課程
   3.1 中一級全部課題以英語教授，中二、三級部份課題附加英文筆記及總結，協助同學使用英語學習，以銜接高中級 EMI 的學習。
   3.2 在課程中引入英語詞彙及練習。
   加強培訓學生的表達能力，學習使用相關詞彙及簡單句子來表達本科知識。

4. 評核方法:

4.1	考試	75%
4.2	科學探究作業	10%
4.3	測驗及課堂表現	15%