



**Hong Kong Taoist Association
Tang Hin Memorial Secondary School**

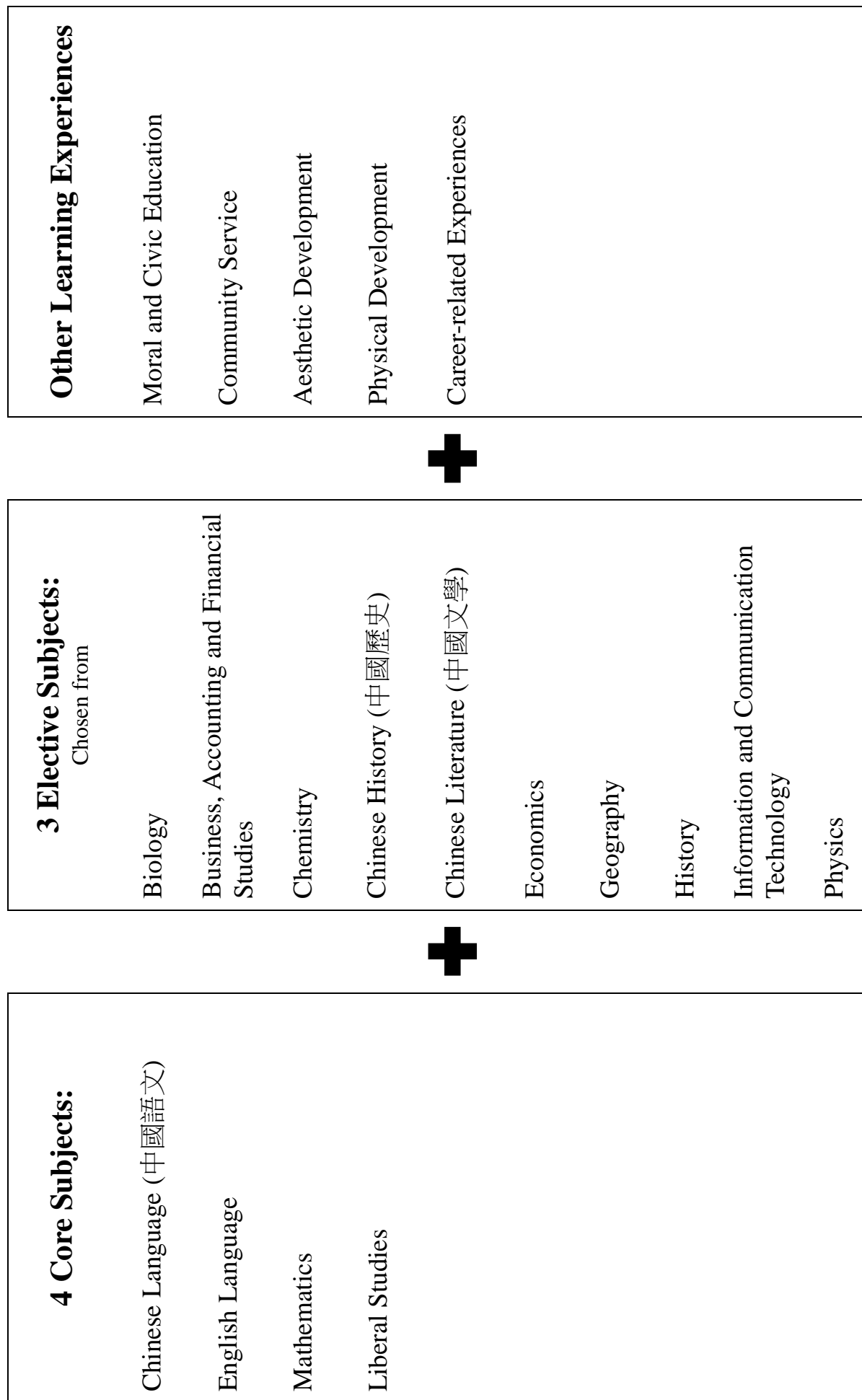
New Senior Secondary Academic Structure

**Curriculum Framework
and
Subject Selection**

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1 The New Senior Secondary Curriculum



% of Time Allocation:

About 55%

About 30%

About 15%

2 Curriculum Frameworks of Core Subjects

2.1 Chinese Language (中國語文)

甲、課程架構及課時分配

必修部份	選修部份
300小時	105小時

總課時：高中一至高中三約405小時

乙、課程內容

一、必修部份

高中中國語文科學習的內容包括閱讀、寫作、聆聽、說話、文學、中華文化、品德情意、思維和語文自學九個學習範疇的學習，涵蓋中國語文教育學習領域學習的主要內容。高中中國語文科全面提升學生讀寫聽說能力及思維能力，同時配合學習材料的內容，進行文學、文化及品德情意方面的教育，讓學生掌握語文自學能力，同時持續培養、發展他們的共通能力、價值觀和態度。

二、選修部份(校本評核)

以下五個單元，就每屆學生的興趣及能力，由老師與學生協商，選修其中三個。

選修單元一：小說與文化

閱讀不同時代、不同類型的小說，探討作品所蘊含的文化內涵，培養理解、分析、評價的能力，並增強對中華文化的認識、反思和認同。

選修單元二：文化專題探討

透過文化專題，研習相關的文化資料，探討文化現象背後的文化意義和人文精神，增強對中華文化的認識、反思和認同，並提高批判思考能力。

選修單元三：新聞與報道

透過新聞閱讀、資料搜集、新聞採訪及寫作，提高閱讀、寫作、聆聽、說話和思維能力，培養認真、客觀、持平、公正和實事求是的處事態度。

選修單元四：多媒體與應用寫作

透過閱讀出現在不同行業、結合多媒體的中文寫作，提高理解、分析、判斷和評價視聽資訊的能力；並透過不同情境的應用寫作實踐，提高寫作和解決問題的能力。

選修單元五：名著改編及影視作品欣賞

閱讀名著及觀看由名著改編的影視作品，提高閱讀名著的興趣，加強感受、分析、鑒賞、評價名著的能力，提高生活品味的文化素養。

丙、 評核方式

評分部份	內 容	評核形式	比 重	考試時間
公開考試	卷一 閱讀能力	筆試	20%	1小時15分鐘
	卷二 寫作能力	筆試	20%	1小時30分鐘
	卷三 聆聽能力	筆試	10%	45分鐘
	卷四 說話能力	朗讀、口語溝通	14%	約40分鐘
	卷五 綜合能力	筆試	16%	1小時15分鐘
校本評核	必修部份： 閱讀活動、 日常課業及其他語文活動	兩項活動各呈交一個分數	8%	
	選修部份： 三個單元 (上列乙項第二)	共呈交 三個分數	12%	

2.2 English Language

A) Curriculum Framework and Time Allocation

Compulsory Part	Elective Part
305 hours	100 hours

Total lesson time: 405 hours for SS1 to SS3

B) The Curriculum

Compulsory Part (Suggested modules)

- Getting along with Others
 - Friendship and Dating
 - Sharing, Cooperation and Rivalry
- Study, School Life and Work
 - Study and Related Pressures/ Problems
 - Experiments and Projects
 - Occupations, Careers and Prospects
- Cultures of the World
 - Travelling and Visiting
 - Customs, Clothes and Food of different places
- Wonderful Things
 - Successful people and Amazing Deeds
 - Great Stories
 - Precious Things
- Nature and the Environment
 - Protecting the Environment
 - Resources and Energy Conservation
- The Individual and Society
 - Crime
 - Human Rights (personal rights, civic rights, respect)
- Communicating
 - The Media and Publications
 - International Network (Internet)
- Technology
 - Changes brought about by Technology
- Leisure and Entertainment
 - The World of Sports
 - “Showbiz”

Elective Part

Learners are required to do the following three modules.

Language Arts● Learning English through Popular Culture

Learners are introduced to

- 1) Basic concepts involved in the module of 'Pop Culture'
- 2) Different related text-types like comic strips, advertisements and reviews, etc
- 3) The content, language and stylistic features typically associated with the text-types

Non-language Arts● Learning English through Social Issues

Learners are introduced to

- 1) The idea of 'social issues'
- 2) The impact of social issues on the personal, social and global levels
- 3) The different perspectives to look at social issues, etc.

● Learning English through Workplace Communication

Learners are introduced to

- 1) Different types of work-related texts like business memos, letters, e-mails and minutes through reading and writing activities
- 2) Various listening and speaking activities to develop skills in handling communication in the workplace
- 3) Work-related vocabulary and business concepts

C) Assessment Design

Component		Weighting	Duration
Public Examination	Paper 1	Reading	20%
	Paper 2	Writing	25%
		Part A (10%) Short guided writing (about 200 words)	(10%)
		Part B (20%) Longer, open-ended writing (about 400 words), based on the modules in the Elective Part	(15%)
Paper 3	Listening and Integrated Skills	30%	about 2 hours
Paper 4	Speaking	10%	20 mins
School-based Assessment (for school candidates only)			15%
Part A: Two assessments; group interaction and individual presentation (report 2 marks)			(10%)
Part B: One assessment based on the modules in the Elective Part of the curriculum (report one mark)			(5%)

2.3 Mathematics

A) Framework of NSS Mathematics Curriculum

Compulsory Part	Elective Part
	Module 1 (Calculus and Statistics) Module 2 (Algebra and Calculus)

Time Allocation and Combinations	
	Lesson Time (Number of Hours)
Compulsory Part Only	270 Hours
Elective Part with Module 1 Or Elective Part with Module 2	135 Hours

2009-2010 Mathematics Class Structure				
NSS 4A	NSS 4B	NSS 4C	NSS 4D	NSS 4E
Compulsory + M1 Compulsory + M2		Compulsory Only		
4+5 Periods		7 Periods		

B) NSS Mathematics Curriculum Content

Compulsory Part	
Number and Algebra	Quadratic Equations Functions and Graphs Exponential and Logarithmic Functions More about Polynomials More about Equations Variations Arithmetic and Geometric Sequences and their Summations Inequalities and Linear Programming More about Graph of functions
Measures, Shape and Space	Basic properties of Circles Locus Equations of Straight lines and Circles More about Trigonometry
Data Handling	Permutation and Combination More about Probability Measures of Dispersion Uses and abuses of Statistics
Further Learning	Further Applications Inquiry and Investigation

Elective Part: Module 1 (Calculus and Statistics)
<ul style="list-style-type: none"> • Foundation Knowledge • Calculus <ul style="list-style-type: none"> Introduction to Differentiation with Applications Introduction to Integration with Applications • Statistics <ul style="list-style-type: none"> Further Probability Binomial, Geometric and Poisson Distributions Normal Distribution Point and Interval Estimation • Further Learning Unit

Elective Part: Module 2 (Algebra and Calculus)
<ul style="list-style-type: none"> • Foundation Knowledge • Calculus <ul style="list-style-type: none"> Limits and Differentiation Integration • Algebra <ul style="list-style-type: none"> Matrices and System of Linear Equations Vectors • Further Learning Unit

C) Assessment

Compulsory Part			
Component		Weighting	Duration
Public Examination	Paper I: Conventional Questions	65%	$2\frac{1}{4}$ Hours
	Paper II: Multiple-choice Questions	35%	$1\frac{1}{4}$ Hours
School-based Assessment (SBA)		-----	-----
No time-line for the implementation of SBA in Mathematics			

Elective Part: Module 1 (Calculus and Statistics)			
Component		Weighting	Duration
Public Examination	Conventional Questions	100%	$2\frac{1}{2}$ Hours

Elective Part: Module 2 (Algebra and Calculus)			
Component		Weighting	Duration
Public Examination	Conventional Questions	100%	$2\frac{1}{2}$ Hours

2.4 Liberal Studies (通識教育)

通識教育科 旨在透過探究各類議題以擴闊學生的知識基礎，加強學生對社會的觸覺。本科所選取的單元內容主題，對學生個人、社會和世界均具有重要意義，也能幫助學生聯繫不同範疇的知識，擴闊視野。通識教育科的學習經歷可幫助學生成為終身學習者，並且有信心面對未來的挑戰。

一) 課程及時間分配：

學習範圍	單元	獨立專題探究
自我與個人成長	全部六個單元 佔180 小時	90 小時
社會與文化		
科學、科技與環境		
總數：三年高中課程合共270 小時		

二) 通識教育科的課程架構：

學習範圍	獨立專題探究
自我與個人成長 單元一：個人成長與人際關係	學生須運用從三個學習範圍所獲取的知識和角度，並推展至新的議題或情境，來進行一項獨立專題探究。下列的建議主題，可用於幫助學生發展自己的獨立專題探究題目： ● 傳媒 ● 教育 ● 宗教 ● 體育運動 ● 藝術 ● 資訊及通訊科技
社會與文化 單元二：今日香港 單元三：現代中國 單元四：全球化	
科學、科技與環境 單元五：公共衛生 單元六：能源科技與環境	

獨立專題探究 是一個自主學習的經歷，讓學生承擔學習的主要責任。在獨立專題探究中，學生是「獨立」和「自主」的，也就是說，學生在參考各種文獻和徵詢不同的意見後，須為自己訂立探究題目、確定探究的範圍、方法和採用適合表達探究結果和成果的形式。學生須主動提出問題、尋找答案和評估探究的過程，也須為履行自己的計畫和決定負責。

三) 評核設計：

部分	內容	比重	考試時間
公開考試	卷一 資料回應題	50%	2 小時
	卷二 延伸回應題	30%	1 小時15 分鐘
校本評核	獨立專題探究	20%	

3 Curriculum Frameworks of Elective Subjects

3.1 Biology

A. Curriculum Framework and time allocation

Compulsory Part	Elective Part	Scientific Investigation
200 hrs.	50hrs.	20hrs.

Total lesson time: 270 hrs for SS1 to SS3

B. The curriculum

Compulsory Part

I. Cells and Molecules of Life

- a. Molecules of Life
- b. Cellular organization
- c. Movement of substances across membrane
- d. Cell cycle and division
- e. Cellular energetics

II. Genetics and Evolution

- a. Basic genetics
- b. Molecular genetics
- c. Biodiversity and evolution

III. Organisms and Environment

- a. Essential life processes in plants
- b. Essential life processes in animals
- c. Reproduction, growth and development
- d. Coordination and response
- e. Homeostasis
- f. Ecology

IV. Health and Diseases

- a. Personal health
- b. Diseases
- c. Body defence mechanisms

Elective Part

The following electives have been selected.

V. Human Physiology: Regulation and Control

- a. Regulation of water content (osmoregulation)
- b. Regulation of body temperature
- c. Regulation of gas content in blood
- d. Hormonal control of reproductive cycle

VIII. Biotechnology

- a. Introduction to biotechnology
- b. Techniques in modern biotechnology
- c. Biotechnology in medicine
- d. Biotechnology in agriculture
- e. Bioethics

Scientific Investigation

20 hours are allocated for further develop students' skills and attitudes in scientific inquiry.

C. Assessment Design

Component	Outline	Weighting	Duration
Public examination	Paper 1 Compulsory Part	60%	2.5 hours
Paper 2 Elective Part (a choice of two out of four elective topics)	20%	1 hour	
School-based assessment (SBA)	Practical related tasks and non-practical related tasks	20%	
Year of examination	Implementation of SBA		
2012	Schools are required to submit SBA marks for the practical related component only. The mark of this component will contribute to 20% of the final subject mark.		
2013	Schools are required to submit SBA marks for the practical related component only. The mark of this component will contribute to 20% of the final subject mark.		
2014 and thereafter	Schools have to submit SBA marks for both the practical and nonpractical related component. The marks of both components will contribute to 20% of the final subject mark.		

3.2 Business, Accounting and Financial Studies

A. Curriculum Framework and time allocation

Compulsory Part	Elective Part
108 hrs	162 hrs

Total lesson time: 270 hours for SS1 to SS3

B. The curriculum

Compulsory Part

I. Business Environment

- a. Hong Kong Business Environment
- b. Forms of Business Ownership
- c. Business Ethics and Social Responsibilities

II. Introduction to Management

- a. Management Functions
- b. Effective Management
- c. Key Business Functions
- d. Entrepreneurship and Small and Medium Enterprises (SMEs) Management
- e. Business Communication

III. Introduction to Accounting

- a. Purposes and the Changing Role of Accounting
- b. Uses of Financial Statements
- c. Accounting Principles and Conventions
- d. The Accounting Cycle
- e. Basic Ratio Analysis

IV. Basics of Personal Financial Management

- a. Fundamentals of Financial Management
- b. Personal Financial Management

Elective Part (Accounting Module)

V. Financial Accounting

- a. Balancing Day Adjustments Relating to the Preparation of Financial Statements
- b. Financial Reporting for different Forms of Business Ownership
- c. Control Systems
- d. Generally Accepted Accounting Principles
- e. Financial analysis
- f. Incomplete records
- g. Information and Communication Technology (ICT) Applications in Accounting
- h. Ethical Issues in Accounting

VI. Cost Accounting

- a. Cost Classification, Concepts and Terminology
- b. Job Costing
- c. Marginal and Absorption Costing
- d. Cost Accounting for Decision making

C. Assessment Design

Component	Outline	Weighting	Duration
Public examination	Paper 1 Compulsory Part	34%	1.5 hours
	Paper 2 Elective Part	51%	2.5 hours
School based assessment (SBA)		15%	

The SBA tasks will be assessed with respect to the following three areas:

1. business knowledge and understanding,
2. analytical skills for business decision-making, and
3. business presentation skills.

SBA for this subject will be phased in as follows:

Year of examination	Implementation of SBA
2012	Schools are not required to submit SBA marks. Public examination results constitute 100% of the final subject results.
2013	Schools are not required to submit SBA marks. Public examination results constitute 100% of the final subject results.
2014	All schools have to submit SBA marks for feedback from the HKEAA on the outcomes of moderation. Public examination results constitute 100% of the final subject results.
2015	All schools have to submit SBA marks for feedback from the HKEAA on the outcomes of moderation. Public examination results constitute 100% of the final subject results
2016	Starting from 2016, all schools have to submit SBA marks contributing to 15% to the final subject results.

3.3 Chemistry

A. Curriculum Framework and Time Allocation

Compulsory Part	Elective Part	Investigative Studies
198 hours	52 hours	20 hours

Total lesson time : 270 hours for SS1 to SS3

B. Curriculum

Compulsory Part

- (1). Planet earth*
- (2). Microscopic world I*
- (3). Metals*
- (4). Acids and bases*
- (5). Fossil fuels and carbon compounds*
- (6). Microscopic world II*
- (7). Redox reactions, chemical cells and electrolysis*
- (8). Chemical reactions and energy*
- (9). Rate of reaction
- (10). Chemical equilibrium
- (11). Chemistry of carbon compounds
- (12). Patterns in the chemical world

** These topics are included in the chemistry part of Combined Science Curriculum.*

Elective Part

Learners are required to do the following modules.

- (13). Industrial chemistry
- (14). Analytical chemistry

Investigative Study

- (15). Investigative study in chemistry

C. Assessment Design

Component	Outline	Weighting	Duration
Public examination	Paper 1 Compulsory Part	60%	2.5 hours
	Paper 2 Elective Part (a choice of two out of three elective topics)	20%	1 hour
School-based Assessment (SBA)	Practical related tasks and non-practical related tasks	20%	/

To allow time for teachers to familiarize themselves with the administration of SBA and to alleviate the workload of teachers in the first two years of implementation of the new curriculum, the following implementation strategy of SBA will be adopted:

Year of examination	Implementation of SBA
2012	Schools are required to submit SBA marks for the practical related component only. The mark of this component will contribute to 20% of the final subject mark. Marks of 'Investigative Study' are NOT required in this stage.
2013	Schools are required to submit SBA marks for the practical related component only. The mark of this component will contribute to 20% of the final subject mark. Marks of 'Investigative Study' are NOT required in this stage.
2014 and thereafter	Schools have to submit SBA marks for both the practical (including 'Investigative Study') and non-practical related components. The marks of both components will contribute to 20% of the final subject mark.

3.4 Chinese History (中國歷史)

卷一 歷代發展

甲部：自夏代至十九世紀中葉

1. 夏商周
 - 周代分封
 - 春秋戰國的政治與社會變動
2. 秦漢
 - 秦漢的統治政策
 - 兩漢戚宦掌權的政局
3. 魏晉南北朝
 - 北朝的漢胡融和
 - 東晉及南朝的士族與寒門
4. 隋唐
 - 隋唐治世
 - 安史之亂與唐代衰亡
5. 宋元明清 (至鴉片戰爭爆發前夕)
 - 宋元的中央集權
 - 明清的君主集權
 - 清初的民族政策

乙部：十九世紀中葉至二十世紀末

1. 鴉片戰爭至辛亥革命
 - 列強的入侵、改革與革命
2. 辛亥革命至中華人民共和國成立
 - 民初政局、國共分合、抗日戰爭、國共和談與內戰
3. 中華人民共和國成立至二十世紀末
 - 社會主義建設、「文化大革命」、改革開放、對外關係

卷二 歷史專題

下列六個單元，選修兩個：

1. 「二十世紀中國傳統文化的發展：承傳與轉變」
以「五四運動」為切入點，探討中國文化與傳統的特質及其變遷。
2. 「地域與資源運用」
強調空間的概念，研究資源如何促進地域的發展。
3. 「時代與知識分子」
選取能洞悉時代轉變而作出積極回應的知識分子，研習他們的經歷，以觀察不同時代的歷史變遷。
4. 「制度與政治演變」
以重要的制度變革為例，認識和探究制度與政治演變的關係。
5. 「宗教傳播與文化交流」
認識四種主要宗教在中國的傳播，以及因宗教傳播而產生的文化交流。
6. 「女性社會地位：傳統與變遷」
探討女性在中國歷史上擔當的角色與享有的社會地位。

學習及評核計畫

評核部分	內容	佔分	時間
公開考試	卷一 歷代發展 設必答題，涵蓋甲、乙部，佔全卷50%；（提供多項資料，考核學生不同能力，預期作答時間為一小時）；其餘甲部及乙部各設三題，選答其中一題，佔全卷50%。	48%	2小時
	卷二 歷史專題 設六單元，每單元各設三題，學生從所選的兩個單元中各選答一題，共答兩題完卷。	32%	1小時20分鐘
校本評核	教師設計一個「學習及評核計畫」，包括最少三個學習階段，各設評核項目，內含顯示學習進程及考查學習成果的習作。 呈交學生在學習及評核計畫內每一項目的成績合共最少三個分數，總分為20分。惟個別項目的佔分比重毋須相同。 供評核的習作可全班一致，亦可有少量的評核習作由學生自選提交。惟用作自選的習作其所屬的項目及佔分必須相同。全班一致的習作與自選習作的數量應保持在 2：1。	20%	

3.5 Chinese Literature (中國文學)

甲、課時

必修部份	選修部份
204小時	66小時

總課時：高中一至高中三約270小時

乙、課程內容

必修部分

學習內容以「文學賞析與評論」、「文學創作」為主，「文學學習基礎知識」為輔。

1. 文學賞析與評論

學生透過研習28篇指定作品*及其他自選作品，對文學作品的內容與藝術形式的感受、分析、欣賞及評論。

2. 文學創作

學生因應特定的題目或資料，運用不同的寫作技巧，創作詩歌、散文、小說及戲劇等不同文類的作品。

3. 文學學習基礎知識

內容包括以下四方面：

- (1) 各種文類的起源、流變及作品的題材；
- (2) 各種文類的基本特徵及主要的表現手法；
- (3) 代表作家作品的風格特色及其主要影響；
- (4) 文學評論及文學創作的常用術語。

選修部份

選修單元一：作家追蹤——自選作家作品選讀

透過選讀一位作家不同時期、不同類型的作品，體味作家的情懷，探索他創作的心路歷程，以及在不同時期的創作特色，了解作品與作家生活和時代的關係，提高學生賞析、評論作家作品的的能力。

選修單元二：文學專題

按時代或主題，選取一個專題，研讀有關文學作品。若以時代作專題，將選取一個朝代或年代的不同作家、流派的作品，感受作者的情懷，就其內容、風格作深入探討，以了解一個時代的精神面貌，探討文學與時代的關係，提高學生賞析、評論文學作品的的能力；若以主題作專題，將通過研讀同一主題的文學作品，體會作品的意蘊，領略作者的思想感情，鑒賞作品的表現手法及藝術特色，提高學生賞析、評論文學作品的的能力。

選修單元三：文學創作——原創或改編

選取一至兩種文體(詩歌、散文、小說、戲劇)，研習相關的寫作理論和經典作品，嘗試文學創作；或選取若干文學作品加以研習，將作品改寫或以其他文學形式加以改編。通過創作或改編，讓學生享受創作的愉悅，抒發個人的思想感情，並發揮創意，提高賞析和創作能力，發展個人風格。

丙、評核方式

評核部分	內容	評核形式	比重	考試時間
公開考試	卷一 文學創作 卷二 文學賞析	筆評 筆評	22%	3 小時
			43%	3 小時
校本評核	必修部分： 創作練習 課外閱讀 選修部分 (三個單元)： 日常學習表現 單元終結表現	(呈交 6 個分數) 創作練習 4 個分數 閱讀報告 2 個分數 每個單元呈交 2 個分數，即日常學習表現 及單元終結表現各1個分數。	9%	
			6%	
			20%	

本科校本評核將分階段推行：

考試年份	校本評核實施進程
2012	學校毋須呈交校本評核分數。公開考試佔全科成績100%。
2013	學校毋須呈交校本評核分數。公開考試佔全科成績100%。
從2014 開始	所有學校均須呈交校本評核分數，並佔全科成績35%。

*指定作品篇目：

1. 秦風·蒹葭	詩經	15. 齊天樂 (綠蕪凋盡臺城路)	周邦彥
2. 九章·涉江	楚辭	16. 南鄉子 (何處望神州)	辛棄疾
3. 齊桓晉文之事章	孟子	17. 雙調·夜行船 秋思	馬致遠
4. 庖丁解牛	莊子	18. 法場 (《竇娥冤》第三折)	關漢卿
5. 蘇秦約縱 (節選)	戰國策	19. 西湖七月半	張岱
6. 鴻門會 (節選)	史記	20. 卻奩 (《桃花扇》第七齣)	孔尚任
7. 戰城南	佚名	21. 接外孫賈母惜孤女 (節選)	曹雪芹
8. 短歌行	曹操	22. 死水	聞一多
9. 歸去來辭 (並序)	陶潛	23. 錯誤	鄭愁予
10. 將進酒	李白	24. 書	梁實秋
11. 登高	杜甫	25. 我的四個假想敵	余光中
12. 進學解	韓愈	26. 藥	魯迅
13. 醉翁亭記	歐陽修	27. 碗	西西
14. 前赤壁賦	蘇軾	28. 西施	姚克
		(「西施」本事、第一幕獻美 及第二幕第三景借糧)	

3.6 Economics

A) Curriculum Framework and time allocation

Compulsory	Elective Part	News Commentary and Other Enquiry Activities
194 hours	22 hours	54 hours

Total lesson time: 270 hours for SS1 to SS3.

B) Curriculum

I. Compulsory Part

1. Basic Economic concept
2. Firms and Production
3. Market and Price
4. Competition and Market Structure
5. Efficiency, Equity and the Role of Government
6. Measurement of Economic Performance
7. National Income Determination and Price Level
8. Money and Banking
9. Macroeconomic problems and Policies
10. International Trade and Finance

II. Elective Part

11. Monopoly Pricing / anti-competitive Behaviours and competitive Policy OR
12. Extension of Trade Theory, Economic Growth and Development

III. Learning Activities

54 hours are allocated for conducting news commentary and other enquiry activities.

C. Assessment Design

Component	Part	Weighting	Duration
Public Examination	Paper 1 (Multiple-choice questions)	25%	1 hour
	Paper 2 (Conventional paper) Part 1: Compulsory Part Part 2: Elective Part (a choice of one out of two electives)	60%	2 hours
School-based Assessment (SBA)	Task-based assessment (news commentary and /or essay / report)	15%	

Year of examination	Implementation of SBA
2012	Schools are not required to submit SBA marks. The public examination results constitute 100% of the final subject results.
2013	Schools are not required to submit SBA marks. The public examination results constitute 100% of the final subject results
Starting from 2014, all schools have to submit SBA marks contributing 15% of the final subject results.	

3.7 Geography

A. Introduction

Geography as a secondary school subject enables students to explore and understand the relationship between human beings and the Earth through the study of space, place and environment – the three elements (or macro-concepts) which form the core of Geography in secondary school education. In this process, the geographical questions of “What”, “Where”, “How”, “Why” and “What if” form the basic constructs for developing a geographical framework for enquiry.

B. Curriculum Framework and Time Allocation

Compulsory Part	Elective Part	Fieldwork + Spatial Data Enquiry
60% (around 170 hours)	20% (around 50 hours)	20% (around 50 hours)

Total lesson time: 270 hours

C. The Curriculum

Compulsory Part

7 geographical issues and problems in 3 major themes:

Theme 1: Living with our physical environment

- (1) Opportunities and Risks – Is it rational to live in hazard-prone areas?
- (2) Managing Rivers and Coastal Environments: A continuing challenge

Theme 2: Facing changes in the human environment

- (3) Changing Industrial Location – How and why does it change over space and time?
- (4) Building a Sustainable City – Are environmental conservation and urban development mutually exclusive?

Theme 3: Confronting global challenges

- (5) Combating Famine – Is technology a panacea for food shortage?
- (6) Disappearing Green Canopy – Who should pay for the massive deforestation in rainforest regions?
- (7) Global Warming – Is it fact or fiction?

Elective Part

The following electives have been selected:

- (1) Regional Study of Zhujiang (Pearl River) Delta
- (2) Transport Development, Planning and Management
- (3) Dynamic Earth

Fieldwork and Spatial Data Enquiry

- Fieldwork involves a process of enquiry that assesses students’ understanding and skills within a geographical context.
- It involves students in gathering information in the field, not in a library.
- Students are required to submit a report of about 1,500 words.

D. Assessment design

	Paper 1	Paper 2	SBA
Weighting	60%	25%	15%
Duration	2.5 hours	1 hour	From S5 to S6
Scope	Compulsory Part	Elective Part	Fieldwork
Section/ Question type:	A. Multiple-choice – 1hour (20%) B. Data/skill-based/structured – 1 hour (30%) C. Short essay – 0.5 hour (10%)	D. Data/skill-based/structured – 0.5 hour (15%) E. Short essay – 0.5 hour (10%)	F. One report

3.8 History

A. Curriculum Framework and Time Allocation

Compulsory Part	Elective Part	Other Learning Activities
210 hours	40 hours	20 hours

Total Lesson Time : 270 hours for SS1 to SS3

B. The Curriculum

Compulsory Part

Introduction : The Making of the Modern World (10 hours)

- (a) The foundation of Western supremacy
- (b) Western expansion and the formation of colonial empires
- (c) Asia's reactions to Western expansion
- (d) Towards international cooperation

Theme A : Modernization and Transformation in Twentieth-Century Asia (100 hours)

1. Modernization and transformation of Hong Kong
 - (a) Political and institutional changes
 - (b) Development as an international city
2. Modernization and transformation of China
 - (a) Early attempts at modernization reforms and revolutions
 - (b) Socialist modernization in the Maoist period and the evolution of 'socialism with Chinese characteristics' in the post-Mao period
3. Modernization and transformation of Japan and Southeast Asia
 - (a) Japan modernization in the early 20th century, reconstruction & growth after WWII and relations with other Asian countries
 - (b) Southeast Asia from colonies to independent countries

Theme B : Conflicts and Cooperation in the Twentieth-Century World (100 hours)

4. Major conflicts and the quest for peace
 - (a) Internal relations from 1900 to 1914
 - (b) The two world wars and the peace settlements
 - (c) Major conflicts after WWII and attempts to make peace
5. The quest for cooperation and prosperity
 - (a) International economic cooperation
 - (b) International social and cultural cooperation

Elective Part

Any ONE of the following electives :

	Electives	Examples of Topics
1	Comparative studies	<ul style="list-style-type: none"> ● Totalitarian states ● Development of Hong Kong and Shanghai as international cities ● Theory and practice of communism in the USSR and China ● US policies towards the PRC in different periods of time ● China's economic policies at different times in the 20th century
2	Issue-based studies	<ul style="list-style-type: none"> ● Terrorism ● Cultural imperialism ● Popular culture ● Japan's political, economic and cultural influence in Asia ● Nuclear proliferation ● Global environmental challenges ● Poverty in the developing world ● The struggle for gender equality
3	Local heritage studies	<ul style="list-style-type: none"> ● Traditional culture and conservatism (e.g. Cantonese opera, traditional customs and festivals, monuments and historical buildings) ● Business and trade (e.g. local brand names and trade marks, and the history of one selected industry or trade)

Other Learning Activities

20 hours are allocated for conducting learning activities, such as museum visits, heritage tours, etc.

C. Assessment

Component		Description	Weighting	Duration
Public Examination	Paper 1	Compulsory data-based questions	50%	1 3/4 hours
	Paper 2	Choose 2 out of 7 essay-type questions	30%	1 1/4 hours
School-based Assessment (SBA)		A two-task course assignment related to the candidates' selected electives. The weightings of the tasks are as follows : <ul style="list-style-type: none"> ● Presentation of study outline 10% ● Study report 10% 	20%	

3.9 Information and Communication Technology

A. Curriculum Framework and Time Allocation

Compulsory Part	Elective Part	School-based Assessment
165 hours	75 hours	30 hours

Total Lesson time: 270 hours for SS1 to SS3

B. The Curriculum

The Compulsory Part

A. Information Processing

- a. Introduction to Information Processing
- b. Data Organisation and Data Control
- c. Data Representation
- d. The Use of Office Automation Software
- e. Presentation of Information

B. Computer System Fundamentals

- a. Basic Machine Organisation
- b. System Software
- c. Computer Systems

C. Internet and its Applications

- a. The Networking and Internet Basics
- b. Internet Services and Applications
- c. Elementary Web Authoring

D. Basic Programming Concepts

- a. Problem-Solving Procedures
- b. Algorithm Design
- c. Algorithm Testing

E. Social Implications

- a. Equity of Access
- b. Work and Health Issues
- c. Intellectual Property
- d. Threats and Security on the Internet

The Elective Part (Choose ONE only)

The following electives have been selected.

C. Multimedia Production and Web Site Development

- a. Multimedia Production
- b. Web Site Development

D. Software Development

- a. Programming
- b. Programming Languages
- c. Systems Development

C. Assessment Design

Component		Weighting	Duration
Public Examination	Paper 1 Compulsory Part	55%	2 hours
	Paper 2 Elective Part (choose one only)	25%	1.5 hours
	2C <i>Multimedia Production and Web Site Development</i> 2D <i>Software Development</i>		
School-based Assessment		20%	

3.10 Physics

A) Curriculum Framework and time allocation

Compulsory Part	Elective Part	Investigative Study
200 hrs	54 hrs	16 hrs

Total lesson time: 270 hours for SS1 to SS3

B) The curriculum

Compulsory Part

I. Heat and Gases

- a. Temperature, heat and internal energy
- b. Transfer processes
- c. Change of state
- d. Gases

II. Force and Motion

- a. Position and movement
- b. Force and motion
- c. Projectile motion
- d. Work, energy and power
- e. Momentum
- f. Uniform circular motion
- g. Gravitation

III. Wave Motion

- a. Nature and properties of waves
- b. Light
- c. Sound

IV. Electricity and Magnetism

- a. Electrostatics
- b. Circuits and domestic electricity
- c. Electromagnetism

V. Radioactivity and Nuclear Energy

- a. Radiation and radioactivity
- b. Atomic model
- c. Nuclear energy

Elective Part

The following electives have been selected:

VI. Atomic World

- a. Rutherford's atomic model
- b. Photoelectric effect
- c. Bohr's atomic model of hydrogen
- d. Particles or waves
- e. Probing into nano scale

VII. Energy and Use of Energy

- a. Electricity at home
- b. Energy efficiency in building and transportation
- c. Renewable and non-renewable energy sources

Investigative Study

To facilitate the integration of knowledge and skills, students are required to conduct a 16- hour investigative study, with a view to solving an authentic problem, relevant to the curriculum.

C) Assessment Design

Component	Outline	Weighting	Duration
Public examination	Paper 1 Compulsory Part	60%	2½ hours
	Paper 2 Elective Part(a choice of two out of four elective topics)	20%	1 hour
School-based assessment (SBA)	Practical related tasks and non-practical related tasks	20%	

Year of examination	Implementation of SBA
2012	Schools are required to submit SBA marks for the practical related component only. The mark of this component will contribute to 20% of the final subject mark. Marks of 'Investigative Study' are NOT required in this stage.
2013	Schools are required to submit SBA marks for the practical related component only. The mark of this component will contribute to 20% of the final subject mark. Marks of 'Investigative Study' are NOT required in this stage.
2014 and thereafter	Schools have to submit SBA marks for both the practical (including 'Investigative Study') and non-practical related components. The marks of both components will contribute to 20% of the final subject mark.

4 Period Allocation and Elective Subject Combinations

4.1 Period Allocation

Subjects	Class No. of Periods	A	B	C	D	E
Core Subjects	English	8/9/9	8/9/9	9/10/9	9/10/9	9/10/9
	Chinese Language	7/8/8	7/8/8	7/8/9	7/8/9	7/8/9
	Mathematics	8/8*/8*	8/8*/8*	7/7/7	7/7/7	7/7/7
	Liberal Studies	5/6/6 x 7 groups				
Elective Subjects	Physics	6/5/5	6/5/5			
	Chemistry	6/5/5	6/5/5			
	Biology	6/5/5	6/5/5			
	Information and Communication Technology	6/5/5 x 2 groups				
	Chinese History			6/5/5		
	History			6/5/5		
	Geography	6/5/5 x 2 groups				
	Economics	6/5/5 x 3 groups				
	BAFS	6/5/5 x 3 groups				
Other Learning Experiences	Chinese Literature			6/5/5		
	Physical Education	2		2		2
	Life Wide Learning Activities	1 Lesson After School + Other Learning sessions beyond the time-table				

Period Allocation is based on a 6-day cycle (6 x 8 = 48 periods per cycle).

*Maths additional module: * One extra lesson as the 9th period per week.

4.2 Elective Subject Combination

Senior Classes	A	B	C	D	E
X1	Physics	Chemistry	Geography	Economics	BAFS
X2 (7 groups)	Biology / Chemistry / ICT(Prog) ⁽¹⁾		Economics / BAFS / History / Chinese Literature ⁽²⁾		
X3 (7 groups)	Biology / Physics ⁽¹⁾		Chinese History ⁽²⁾		
	ICT(Web) / Geography / Economics / BAFS ⁽³⁾				

(1) For Classes A and B only

(2) For Classes C, D and E only

(3) For all classes

Students can choose only 1 subject from each elective stream.

Note:

BAFS: Business, Accounting and Financial Studies

ICT: Information and Communication Technology

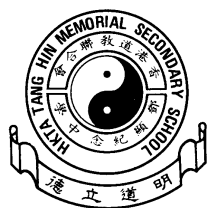
ICT (Web): Elective Option- “Multimedia Production and Web Site Development”

ICT (prog): Elective Option- “Software Development”

5

HONG KONG TAOIST ASSOCIATION TANG HIN MEMORIAL SEC SCHOOL

香港道教聯合會鄧顯紀念中學

**Senior Secondary 1 Subject Selection Form**

Name: _____ Class: _____ No: _____

The actual subject selection should be done online. (<http://eclass.tanghin.edu.hk>)

1. Preferred Group:

Group A (Taking Maths elective module) Group B (NOT taking Maths elective module)

2. Arrange in order of preference (1: Most preferred – 20: Least preferred) in each of the groups:

Students MUST select at least 20 subject combinations in each group.

<u>Group A</u>				<u>Group B</u>			
			Order				Order
1	Biology	ICT (Web)	Physics	1	C. Hist	Economics	Geography
2	Biology	Geography	Physics	2	Economics	Geography	ICT (Web)
3	Biology	Economics	Physics	3	BAFS	Economics	Geography
4	BAFS	Biology	Physics	4	BAFS	C. Hist	Geography
5	Biology	Chemistry	Physics	5	BAFS	Geography	ICT (Web)
6	Chemistry	ICT (Web)	Physics	6	C. Hist	Geography	History
7	Chemistry	Geography	Physics	7	Geography	History	ICT (Web)
8	Chemistry	Economics	Physics	8	Economics	Geography	History
9	BAFS	Chemistry	Physics	9	BAFS	Geography	History
10	Biology	ICT (Prog)	Physics	10	C. Hist	C. Lit	Geography
11	Geography	ICT (Prog)	Physics	11	C. Lit	Geography	ICT (Web)
12	Economics	ICT (Prog)	Physics	12	C. Lit	Economics	Geography
13	BAFS	ICT (Prog)	Physics	13	BAFS	C. Lit	Geography
14	Biology	Chemistry	ICT (Web)	14	BAFS	C. Hist	Economics
15	Biology	Chemistry	Geography	15	BAFS	Economics	ICT (Web)
16	Biology	Chemistry	Economics	16	C. Hist	Economics	History
17	BAFS	Biology	Chemistry	17	Economics	History	ICT (Web)
18	Biology	Chemistry	ICT (Prog)	18	BAFS	Economics	History
19	Chemistry	ICT (Prog)	Physics	19	C. Hist	C. Lit	Economics
20	Chemistry	Geography	ICT (Prog)	20	C. Lit	Economics	ICT (Web)
21	Chemistry	Economics	ICT (Prog)	21	BAFS	C. Lit	Economics
22	BAFS	Chemistry	ICT (Prog)	22	BAFS	C. Hist	History
				23	BAFS	History	ICT (Web)
				24	BAFS	C. Hist	C. Lit
				25	BAFS	C. Lit	ICT (Web)

3. 4th Elective: [Japanese] Yes No

6 Subject Selection Procedure

6.1 Time-Table for Subject Selection

- | | |
|------------|--|
| (1) March: | Seminar (Introduction of 4 Electives: Economics, BAFS, Chinese Literature and History) |
| (2) May: | Subject Selection and Class-teacher Consultation |
| (3) June: | Deadline for Subject Selection
(The last day of final examination review) |
| (4) July: | Result Publication |

6.2 Criteria

The results disclosed in July will be based on:

- (1) S.3 students' annual average marks and rankings;
- (2) Students' preference on elective subjects' combinations;
- (3) Group A students should have attained satisfactory performance in Mathematics and Integrated Science during their S.3 studies (Students' annual average marks should be ≥ 65 in both subjects).

6.3 Steps for Subjects Selection

- (1) Understand your own interests and goal;
- (2) Analyse your own strengths;
- (3) Choose Group A or Group B as your first priority;
- (4) Compose at least 15 combinations in Group A and Group B respectively.

*Those subjects with ≤ 10 students selected may be suspended in the coming academic year.