

**Tak Sun Secondary School**  
**Final Exam Syllabuses 2024/25**  
**Form 5**

Subject	Syllabus	Remarks
Biology	<p><b>F.4 (30%)</b></p> <p>Ch 6 Nutrition in humans</p> <p>Ch 7 Gas exchange in humans</p> <p>Ch 8 Transport in humans</p> <p>Ch 9 Gas exchange in plants</p> <p>Ch 10 Transpiration, transport and support in plants</p> <p><b>F.5 (70%)</b></p> <p>Ch 11 Cell cycle and cell division</p> <p>Ch 12 Reproduction in flowering plants</p> <p>Ch 13 Reproduction in humans</p> <p>Ch 14 Growth and development</p> <p>Ch 15 Coordination in humans</p> <p>Ch 16 Detecting the environment</p> <p>Ch 17 Movement in humans</p> <p>Ch 18 Homeostasis</p> <p>Ch 19 Ecosystem</p> <p>Ch 20 Photosynthesis</p> <p>Ch 21 Respiration</p> <p>Ch 22 Non-infectious diseases</p> <p>Ch 23 Infectious disease and disease prevention</p> <p>Ch 24 Body Defence Mechanism</p>	<p>Use of calculator is allowed.</p> <p>Pencil and ruler are required for making biological drawing or/and graph plotting.</p>
Business, Accounting and Financial Studies	<ul style="list-style-type: none"> <li>- Basic accounting information 1 - 3</li> <li>- Simple financial statement</li> <li>- Accounting ratios</li> <li>- Year-end adjustments</li> <li>- Depreciation (1) and (2)</li> <li>- Form of business ownership</li> <li>- Bank Reconciliation statement</li> <li>- Accounting concepts</li> <li>- Partnership accounts : Appropriation and revaluation</li> <li>- Incomplete record</li> <li>- Limited companies</li> <li>- Correction of errors (1) and (2)</li> <li>- Hong Kong Business environment</li> <li>- Business ethics and social responsibility</li> <li>-</li> </ul>	<p>Students should bring calculator for the exam.</p>

Chemistry	<p><b>F4 (10%)</b></p> <p>Topic IV Acids and bases</p> <p><b>F5 Term 1 (30%)</b></p> <p>Topic VI Microscopic world II</p> <p>Topic XI Chemistry of carbon compounds</p> <p>Topic IX Rate of reaction</p> <p><b>F5 Term 2 (60%)</b></p> <p>Topic VIII Chemical reactions and energy</p> <p>Topic X Chemical equilibrium</p> <p>Topic VII Redox reactions, chemical cells and electrolysis</p> <p>Topic XII Patterns in the chemical world</p> <p>Standard homework and uniform test</p> <p>Hkedcity M.C. questions</p>	
Chinese History	<p>卷一 甲部課程 ( 課本四上及四下 )</p> <p>卷一 乙部課程：課本五上 及 五下 (第 4 - 97 頁 )</p> <p>卷二 選修單元：均田制 ( 課本選修單元四第 4 - 75 頁 )</p>	
Chinese Language	<p><b>卷一 閱讀</b></p> <p>甲部、指定閱讀篇章 (不提供篇章)</p> <p>《岳陽樓記》 *</p> <p>《始得西山宴遊記》 *</p> <p>《詩三首》 *</p> <p>《論仁、論孝、論君子》 *</p> <p>《詞三首》 *</p> <p>《勸學》 *</p> <p>《師說》</p> <p>《魚我所欲也》</p> <p>《廉頗藺相如列傳》</p> <p>《六國論》</p> <p>《出師表》</p> <p>《逍遙遊》</p> <p>*僅考核詞解句譯</p> <p>乙部、閱讀能力考材 (提供篇章)</p> <p>課外白話及文言篇章</p> <p><b>卷二 寫作</b></p> <p>甲部、實用寫作 (550 字)</p> <p>乙部、文體寫作 (800 字以上)</p>	

Citizenship and Social Development	<p>主題一 「一國兩制」下的香港</p> <p>主題二 改革開放以來的國家</p> <p>課題一 人民生活的轉變與綜合國力</p> <p>課題二 國家的發展與香港融入國定大局發展</p> <p>課題三 參與國家事務</p>	
Information and Communication Technology	<p>F5 Compulsory Part (Refer to SRL website and Notes)</p> <ul style="list-style-type: none"> <li>- All topics in computer system fundamental</li> <li>- All topics in Internet and Its application</li> </ul> <p>Selected F4 Compulsory Part (Refer to SRL website and Notes)</p> <ul style="list-style-type: none"> <li>- Basic concept of information processing / Data Control / Data Representation (Text and Numbers) / Database and SQL (single table) / Selected spreadsheet function (\$, if, countif, sumif, xlookup, sum, count, average, left, right, mid)</li> </ul> <p>F5 Elective Part C Programming and Algorithm (Refer to SRL website and Notes)</p> <ul style="list-style-type: none"> <li>- 2D array / Nested looping / Sorting Algorithms / Merging Algorithm / Searching Algorithm / Type of Error and Program Testing / File IO / Python programming / Pseudocodes</li> </ul> <p>F5 Elective Part A Database (Refer to SRL website and Notes)</p> <ul style="list-style-type: none"> <li>- SQL table creation, insertion of data, update and deletion of data</li> <li>- Table joining: Inner Join, Outer Join, Equal join, Natural join</li> </ul>	
Economics	<p><b>Textbook</b></p> <p>Exploring Economics Book 1 (Chapter 1 - 7)</p> <p>Exploring Economics Book 2 (Chapter 8 - 14)</p> <p>Exploring Economics Book 3 (Chapter 15 – 18)</p> <p>Exploring Economics Book 5 (Chapter 1 – 6)</p>	Students should bring calculator, pencils and ruler for the exam.
English Language	<p><b>Reading:</b></p> <p>Parts A and B contain reading passages with comprehension questions. In Part B, students may choose between completing B1 or B2.</p> <p><b>Writing:</b></p> <p>Two writing tasks - one short (200 words) and one long (400 words). For the long writing task, there will be 4 questions to choose from.</p> <p>Writing Composition Text Types:</p> <p>Movie Reviews</p>	

	<p>Blogs</p> <p>Articles</p> <p>Short stories</p> <p><b>Listening and Integrated Tasks:</b></p> <p>Two parts: listening components in Part A; integrated tasks involving note taking and data file in Part B. In Part B, students may choose between completing B1 or B2.</p> <p><b>Speaking:</b></p> <p>Group discussion for a group of 4 students (or sometimes 3 students) and an individual response question after the discussion</p> <p>Candidates will be given a passage and a set of instructions.</p> <p>Preparation Time: 10 minutes</p> <p>Discussion Time: 8 minutes for 4 candidates; 6 minutes for 3 candidates.</p> <p>Individual Response Time: 1 minute</p> <p>Themes covered in Term 2</p> <p>It's showtime! (Movies/Performing Arts)</p> <p>On the cutting edge (Technology)</p> <p>Society and me (Social issues)</p> <p>A greener earth (Environmental issues)</p> <p>Great Explorers</p> <p>Identity</p> <p>Facing Change</p> <p><u>*Including any prior knowledge of English Language</u></p>	
Geography	Chapter 1 – 7	Students should bring calculator, rulers and protractor for the exam.
Mathematics (Core Part)	<p>Book 4A and 4B</p> <p>Chapter 1: Quadratic Equations in One Unknown (I)</p> <p>Chapter 2: Quadratic Equations in One Unknown (II)</p> <p>Chapter 3: Functions and Graphs</p> <p>Chapter 4: Equations of Straight Lines</p> <p>Chapter 5: More about Polynomials</p> <p>Chapter 9: Variations</p> <p>Chapter 10: More about Trigonometry</p>	<p>Calculators are allowed.</p> <p>Paper 1: Short and Long Questions</p> <p>Paper 2: 45 MC Questions</p>

	<p>Book 5A and 5B</p> <p>Chapter 1: Basic Properties of Circles</p> <p>Chapter 2: Tangents to Circles</p> <p>Chapter 3: Inequalities</p> <p>Chapter 4: Linear Programming</p> <p>Chapter 5: Applications of Trigonometry in 2D</p> <p>Chapter 6: Applications of Trigonometry in 3D</p> <p>Chapter 7: Equations of Circles</p> <p>Chapter 8: Locus</p> <p>Chapter 10: Permutation and Combination</p> <p>Chapter 11: More about Probability</p> <p>Junior Form Topics:</p> <p>Indices, Change of subject, Inequalities, Factorization, Percentages, Simultaneous Equations and Geometry</p>	
Mathematics (Module 2)	<p>Chapter 0: Pre-requisite Knowledge</p> <p>Chapter 1: Mathematical Induction</p> <p>Chapter 2: Binomial Theorem</p> <p>Chapter 3: More about Trigonometric Functions</p> <p>Chapter 4: Limits and the Number e</p> <p>Chapter 5: Differentiation</p> <p>Chapter 6: Applications of Differentiation</p> <p>Chapter 7: Indefinite Integration</p> <p>Chapter 8: Definite Integration</p> <p>Chapter 9: Applications of Integration</p>	Calculators are allowed.
Physical education (DSEPE)	<p>(第 1 課) 體育、運動、康樂、消閒與豐盛人生: 歷史和發展</p> <p>(第 2 課) 人體</p> <p>(第 3 課) 動作分析</p> <p>(第 4 課) 維持健康與活動表現的體適能和營養</p> <p>(第 5 課) 運動與訓練的生理學基礎</p> <p>(第 6 課) 運動創傷、處理與預防方法</p> <p>(第 7 課) 體育、運動和康樂活動的相關心理技能</p> <p>(第 8 課) 體育、運動和康樂活動的社會影響</p>	
Physics	<p>F5 syllabus:</p> <p>Book 1 Ch5, Book 2 Ch8, Book 3B Ch4-7 (Term 1)</p> <p>Book 2 Ch8-10, Book 4: Ch 1-8 (Term 2)</p> <p>F4 syllabus:</p> <p>Book 1 Ch1-4, Book 2 Ch1-7, Book 3A Ch1-3</p>	<p>Bring a calculator.</p> <p>Bring a ruler, a pencil and a rubber for drawing ray diagrams.</p>

Visual arts (DSEVA)	<p><u>Part A: Art Appreciation and Criticism</u></p> <p>Write a critical appreciation of the reproductions of artwork provided.</p> <p><u>Part B: Visual Arts Making</u></p> <p>Create a piece of artwork to present a theme and present a creative brief which may include notes, sketches or layouts produced during the examination to support their artwork.</p>	<p>Bring painting materials and instruments (e.g. pencils, paint brushes, colors, palettes, drawing boards, clips, pins, erasers, adhesive tapes, paper, etc.) small quantity of materials for collage, and reference materials (e.g. books, magazines, art dictionaries, etc.).</p>
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