

2024-2025 年度 第二學期 中二級考試範圍  
Second Term - Examination Syllabuses (S2)

科目 Subjects	形式 Assessment methods	範圍 (Syllabuses)	
		知識 (Knowledge)	技能 (Skills)
中文	填充、選擇、 問答、判斷、 寫作	<p>卷一</p> <p>甲部、閱讀理解： 篇章內容賞析：白話文及文言文 基礎知識： 理解文章內容 體會作者的思想感情 進階知識： 準確解釋文言字詞</p> <p>乙部、讀本問答： 課文及導學案 1. 古代足球 2. 習慣說 3. 為學一首示子姪 4. 世說新語(三則) 基礎知識： 理解課文字詞、主旨、單元學習重點、 課文問答 進階知識： 了解寫作手法的特點和好處</p> <p>丙部、語文運用： 基礎知識： 句子成分：主語、謂語、賓語、定語、 狀語、補語 着色詞 褒義詞、貶義詞、中性詞 修辭：襯托、用典 漢字的特點、形體、六書 反問句、目的複句 已有語文知識</p> <p>進階知識： 文言詞匯</p>	<p>卷一</p> <p>甲部、閱讀理解： 基礎技能： 分析文章的內容 整理文章的結構、歸納段落大意 進階技能： 分析文章的寫作手法 運用文言基礎知識分析文言字詞的意思</p> <p>乙部、讀本問答： 基礎技能： 辨析說明手法、說明順序、說明結構、論說文三要素、論證手法、人物描寫手法 整合及闡釋課文內容 進階技能： 分析文章內容和結構 解釋文言字詞的意思</p> <p>丙部、語文運用： 基礎技能： 辨別句子結構和修辭手法 進階技能： 辨別及運用文言詞匯</p>

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		<p>卷二</p> <p>基礎知識： 甲部、實用文寫作： 公函(投訴信)、調查報告</p> <p>進階知識： 乙部、命題寫作： 三題選作一題，不少於四百字(包括標點符號)(範圍包括記敘、描寫、抒情及開放式題型)</p>	<p>卷二</p> <p>基礎技能： 能根據題目寫出合規格的實用文</p> <p>進階技能： 能在實用文中運用謙詞 運用所學之寫作手法、修辭手法寫作文章</p>
<p>中文(非華語學生) (Chinese for Non-Chinese Speaking students)</p>	<p>選擇題 Multiple- Choice Questions</p> <p>判斷題 True/ False questions</p> <p>填充題 Fill in the blanks</p> <p>問答題 Short and long questions</p>	<p>卷一 (Paper 1)</p> <p>基礎</p> <p>甲部：指定篇章及語文運用(Questions related to designated texts and Language Basics)</p> <ol style="list-style-type: none"> <li>1. 量詞 (Quantifiers)</li> <li>2. 提問語 (Question words)</li> <li>3. 交通工具名稱 (Transportations)</li> </ol> <p>乙部：閱讀理解</p> <ol style="list-style-type: none"> <li>1. 交通工具 (Transportations)</li> </ol> <p>溫習《中文容易學》單元六、單元七及工作紙 Revise Textbook Unit 6, Unit 7 and worksheets</p> <p>進階</p> <p>甲部：指定篇章及語文運用(Questions related to designated texts and Language Basics)</p> <ol style="list-style-type: none"> <li>1. 交通工具及活動 (Transportations and activities)</li> <li>2. 方位詞 (Prepositions of Place)</li> <li>3. 「當……時……」句式 (When……sentence pattern)</li> </ol> <p>乙部：閱讀理解</p> <ol style="list-style-type: none"> <li>1. 天氣 (weather)</li> </ol> <p>溫習《中文容易學》單元六、單元七及工作紙 Revise Textbook Unit 6, Unit 7 and worksheets</p>	<p>基礎</p> <p>能回答是非問題 (Able to answer yes-no questions)</p> <p>分辨量詞的用法 (Identify usage of quantifiers)</p> <p>能回答有關交通工具名稱的問題 (Able to answer questions about transportations)</p> <p>能閱讀有關交通工具的文章 (able to read articles about transportations)</p> <p>進階</p> <p>能介紹交通工具及活動 (Able to introduce transportations and activities)</p> <p>能運用方位詞 (Able to use different prepositions of place)</p> <p>能使用「當……時……」句式寫句子 (Able to write sentence through using When……sentence pattern)</p> <p>能閱讀有關天氣的文章 (able to read articles about weather)</p>

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		<p>卷二 (Paper 2)</p> <p>基礎</p> <p>甲部：命題寫作(proposition writing)</p> <p>乙部：短文寫作(essay writing)</p> <p>丙部：翻譯(translation)</p> <p>認識與交通工具相關的詞語</p> <p>認識介紹天氣的詞語</p> <p>進階</p> <p>甲部：命題寫作(proposition writing)</p> <p>乙部：短文寫作(essay writing)</p> <p>丙部：翻譯(translation)</p> <p>認識表達馬路上規矩的句式</p> <p>認識表達天氣的句式</p> <p>認識中、英句式的分別</p>	<p>卷二 (Paper 2)</p> <p>基礎</p> <p>能以中文寫出詞語、句子及文章 (Able to write grammatically in Chinese)</p> <p>進階</p> <p>能運用方位詞表達物件的位置(Able to use prepositions of place to introduce the location of objects)</p> <p>能運用常見的標點符號 (Able to use common punctuation)</p> <p>能寫作有關介紹交通工具的文章(Able to write essay about introducing transportations)</p> <p>能寫作有關表達天氣的文章(Able to write essay to express weather)</p>
English	<p>Comprehension</p> <p>1. MC questions,</p> <p>2. short and long questions,</p> <p>3.True/False/NG questions</p> <p>4. Matching</p> <p>5. Summary cloze</p> <p>Usage</p> <p>1. Blank-filling</p> <p>2. Rewriting sentences</p> <p>3. Multiple</p>	<p>Comprehension</p> <p>Basic</p> <p>1. Oxford - New Treasure Plus 2A&amp;2B: all units covered</p> <p>2. All vocabulary lists</p> <p>3. All comprehension worksheets</p> <p>4. All reading skills</p> <p>5. Vocabulary book</p> <p>6. All supplementary worksheets</p> <p>Advanced</p> <p>1. Vocabulary list: all units covered (Good to know)</p> <p>Usage</p> <p>Basic</p> <p>1. Vocabulary List: Units 3 &amp; 8</p> <p>2. Part of speech: Units 3 &amp; 8</p> <p>3. Grammar:</p>	<p>Comprehension</p> <p>Basic</p> <ul style="list-style-type: none"> <li>• Acquire, extract and organize</li> <li>• information relevant to specific tasks</li> <li>• Understand different feelings, views and attitudes</li> <li>• Know what a word or phrase refers to</li> <li>• in the previous or subsequent context</li> </ul> <p>Advanced</p> <ul style="list-style-type: none"> <li>• Guess the meaning of unknown words</li> <li>• from context</li> </ul> <p>Usage</p> <p>Basic</p> <ul style="list-style-type: none"> <li>• Use adjective patterns to express feelings or opinions</li> <li>• Use defining relative</li> </ul>

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choice	<p>Tenses: Simple present, present perfect, simple past, past continuous, Present continuous, future Adjective patterns Defining relative clauses Type 0 &amp; 1 Conditional 4. GB: Grammar Companion Book 2 5. All supplementary worksheets Advanced: 1. Irregular verbs 2. Vocabulary list: Unit 3 &amp; 8 (Good to know)</p>	<p>clause to give necessary information • Use conditional type 1 to talk about possible situations • Use conditional type 0 to talk about facts  Advanced: • Form sentences using conditional (type 0 &amp; 1) and relative clause</p>
Writing Write about 180 words	<p>Writing Basic 1. All compositions and remedial worksheets 2. Vocabulary lists (all units covered)  Advanced 1. Vocabulary list: all units covered (Good to know)</p>	<p>Writing Basic • Evaluate and make use of given information to complete a specific task • Describe, express or explain ideas, feelings and experiences  Advanced • Display creativity</p>
Listening - MC questions - Blank filling - Integrated writing task	<p>Listening Basic 1. Performance Extra Task-based Listening 2 (all Units that have been done) 2. All vocabulary lists  Advanced 1. Integrated tasks</p>	<p>Listening Basic • Extract information and ideas from spoken texts • Data file manipulation  Advanced • Infer information from clues</p>
Speaking - Group discussion	<p>Speaking Basic 1. Speaking booklets Advanced 1. Vocabulary lists: All units covered (Good to know)</p>	<p>Speaking Basic • Use different group discussion skills to offer opinions or suggestions  Advanced • To lead and guide discussion using different strategies</p>

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Mathematics	<p><u>Paper 1:</u> Multiple Choice Questions Short Questions Long Questions Bonus Questions</p> <p><u>Paper 2:</u> True or False Questions Short Questions Long Questions Bonus Questions</p>	<p>Basic Knowledge: Ch1 Similar Triangles Ch2 Angles Related to Triangles and Polygons Ch3 Identities Ch4 Factorization of Polynomials Ch5 Algebraic Fractions and Formulas Ch6 Errors in Measurement Ch7 Statistics (II) Ch8 Linear Inequalities in One Unknown Ch9 Linear Equations in Two Unknowns Ch10 Pythagoras' Theorem and Irrational Numbers Ch11 Geometric Proof Ch12 Introduction to Trigonometry Ch13 Areas and Volumes (II) S2 Basic Drilling Workbook A All S1 mathematical knowledge.</p> <p>Advanced Knowledge: Ch1 Similar Triangles Ch2 Angles Related to Triangles and Polygons Ch3 Identities Ch4 Factorization of Polynomials Ch5 Algebraic Fractions and Formulas Ch6 Errors in Measurement Ch7 Statistics (II) Ch8 Linear Inequalities in One Unknown Ch9 Linear Equations in Two Unknowns Ch10 Pythagoras' Theorem and Irrational Numbers Ch11 Geometric Proof Ch12 Introduction to Trigonometry Ch13 Areas and Volumes (II) S2 Basic Drilling Workbook A</p> <p>*Please bring along a calculator and ruler.</p>	<p>Basic Skills:</p> <ul style="list-style-type: none"> <li>●Apply the properties of different triangles or polygons and use it to find unknowns in figures.</li> <li>●Determine whether the equation is an identity</li> <li>●Factorize the given polynomials</li> <li>●Perform addition, subtraction, multiplication or division of numbers and algebraic fractions.</li> <li>●Construct and interpret tables and graphs in statistics.</li> <li>●Solve linear inequalities</li> <li>●Apply Pythagoras' Theorem and its Converse to solve geometric problems</li> <li>●Differentiate rational numbers and irrational numbers.</li> <li>●Calculate numerical values</li> <li>●Solve simple equations</li> <li>●Change of subject in simple formulas</li> <li>●Manipulations of Simple Polynomials.</li> <li>●Factorization of Simple Polynomials</li> <li>●Using the laws of integral indices to simplify simple algebraic expressions.</li> </ul> <p>Advanced Skills:</p> <ul style="list-style-type: none"> <li>●Find absolute error, maximum absolute error, relative error and percentage error</li> <li>●Solving problems about linear equations in two unknowns.</li> </ul>
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			<ul style="list-style-type: none"> <li>●Doing the operations of surds</li> <li>●Show all reasons while using a certain formula and proofing.</li> <li>●Apply trigonometric ratios to solve simple problems involving plane figures and real-life problems.</li> <li>●Use the formulas to find lengths of circumference and arc, areas of sector, volumes and surface areas of cylinders.</li> </ul>
綜合人文	選擇題 Multiple Choice  填充題 Fill in the Blanks  配對題 Matching  問答題 Long Questions  資料回應題 Data-based Questions  挑戰題 Challenging Questions  時事題 Current Affairs Questions	<u>主題三：權利與義務</u>  第一課：《憲法》規定的公民的基本權利和義務（導學案一）  第二課：《憲法》與《基本法》（導學案二）  第三課：《基本法》規定國際協議如何適用於香港特別行政區，透過有關的國際協議認識與兒童權利，以及消除偏見和歧視相關的權利和義務（導學案三） 總結練習（一）及（二） 課本：權利與義務 P.2-45  <u>主題四：我和香港政府</u> 課題一：香港特別行政區的權力來源（導學案一） 課題二：香港特別行政區的決策機構和過程（導學案二） 課題三：香港特別行政區選舉制度的發展（導學案三） 總結練習（一） 課本：我和香港政府 P. 1-26  基礎知識： ➤ 認識憲法的地位 ➤ 認識憲法規定的公民基本權利和義務	基礎技能： ➤ 數據及資料分析能力 ➤ 運算能力  進階技能： ➤ 不同類型的資料綜合及分析能力  Basic Skills: ➤ Data analysis skills ➤ Mathematical skills  Advanced Skills: ➤ Critical thinking skills

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		<ul style="list-style-type: none"> <li>➤ 認識《憲法》與《基本法》</li> <li>➤ 認識香港特別行政區實行的制度：一國兩制</li> <li>➤ 了解根據《憲法》，《基本法》所作出的特別規定</li> <li>➤ 認識香港居民</li> <li>➤ 認識香港居民享有的基本權利和應盡的義務</li> <li>➤ 了解根據《憲法》，《基本法》所作出的特別規定</li> <li>➤ 認識法治精神原則</li> <li>➤ 明白維護國家安全的重要性</li> <li>➤ 認識香港特別行政區的權力來源</li> <li>➤ 了解香港特區維護國家安全的憲制責任</li> <li>➤ 認識香港特別行政區的決策機構</li> <li>➤ 了解公共政策的決策過程和重要性</li> <li>➤ 認識香港特別行政區的行政長官與立法會的選舉制度</li> <li>➤ 了解完善行政長官與立法會的選舉制度</li> <li>➤ 對促進香港社會發展及國家安全保障的重要性及意義</li> <li>➤ 了解公平與廉潔的選舉的重要性和在香港的實踐</li> </ul>	
Science (2A, 2B)	<ul style="list-style-type: none"> <li>➤ Multiple-choice questions</li> <li>➤ True or False</li> <li>➤ Fill in the Blanks</li> <li>➤ Structured Questions</li> <li>➤ Challenging Questions (Bonus)</li> </ul>	<p><b>Learning Log</b>  <u>Unit 7 Living things and air</u>  <u>Unit 8 Making use of electricity</u>  <u>Unit 9 Acids and alkalis</u>  <u>Unit 10 Sensing the environment</u>  <u>Unit 11 Force and Motion</u></p> <p><b>Text book</b>            Book 2A, 2B</p> <p><b>Workbook</b>            Book 2A, 2B</p> <p><b>Basic Knowledge</b>            Unit 7</p> <ul style="list-style-type: none"> <li>•Recognise that air is a mixture of gases</li> <li>•State the percentage of main gases in air</li> </ul>	<p><b>Basic Skills</b></p> <ul style="list-style-type: none"> <li>➤ Use different test for different gases</li> <li>➤ Read and draw simple circuit diagram</li> <li>➤ Use force diagrams to show the direction of forces in daily examples</li> <li>➤ use different indicators to distinguish acidic solutions and alkaline solutions</li> </ul> <p><b>Advanced Skills</b></p> <ul style="list-style-type: none"> <li>➤ Plot a graph to present experimental result</li> <li>➤ Make interpretations and draw conclusion based</li> </ul>

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		<ul style="list-style-type: none"> <li>•Describe the tests for oxygen, carbon dioxide and water</li> <li>•Recognise that photosynthesis is the process that plants make their own food</li> <li>•State that light energy is converted to chemical energy in food during photosynthesis in plants</li> <li>•Write the word equation of photosynthesis</li> <li>•Recognise that the chemical energy stored in food can be changed by our body into other useful forms of energy to support body activities</li> <li>•Describe respiration as a process in which food is broken down in cells to release energy in usable form for cells</li> <li>•Write the word equation of respiration</li> <li>•Understand that the net gas exchange in plants depends on the relative rate of photosynthesis and respiration taken place</li> <li>•Compare the temperature and the composition of gases (oxygen, carbon dioxide and water vapour) between inhaled and exhaled air</li> <li>•Identify the main parts of the breathing system in humans</li> <li>•State that gas exchange in humans takes place at the air sacs</li> <li>•Recognise that smoking is harmful to health (e.g. causing lung cancer and heart diseases)</li> <li>•Recognise the health advice related to the Air Quality Health Index (AQHI)</li> </ul> <p>Unit 8</p> <ul style="list-style-type: none"> <li>•Understand that a cell and a closed circuit are required for lighting up a bulb</li> <li>•Recognise that cell is the energy source in a circuit</li> <li>•Identify electrical conductors and insulators</li> <li>•Understand switch as a device to open or close a circuit</li> <li>•Recognise the circuit symbols (cell, battery, light bulb, switch, ammeter,</li> </ul>	on all available data
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		<p>voltmeter, resistor and rheostat)</p> <ul style="list-style-type: none"> <li>•State that ampere (A) is a unit of current</li> <li>•Recognise electric current as a flow of charges</li> <li>•Recognise the heating effect and magnetic effect of current</li> <li>•State that volt (V) is a unit of voltage</li> <li>•Recognise that battery with greater voltage will cause greater current to flow in a circuit</li> <li>•State that ohm (<math>\Omega</math>) is a unit of resistance</li> <li>•Understand that a greater resistance will result in a smaller current to flow in a circuit</li> <li>•Understand the wiring of a 3-pin plug and identify the colour coding of wires</li> </ul> <p>Unit 9</p> <ul style="list-style-type: none"> <li>•Give examples of common acids and alkalis found at home and in laboratory</li> <li>•Recognise that acid-alkali indicators are used to classify solutions as being acidic or alkaline</li> <li>•Recognise that the pH scale is used to describe the relative acidity and alkalinity of substances</li> <li>•Describe how pH paper, universal indicator and electronic instruments can be used to measure the pH of solutions</li> <li>•Compare the advantages and disadvantages of using universal indicator and electronic instruments in measuring the pH of solutions</li> <li>•Understand that salt and water will be formed when an acid is mixed with alkali</li> <li>•Potential hazards related to the use of acids and alkalis</li> <li>•Understand the causes of acid rain and its effects on the environment and living things</li> </ul> <p>Unit 10</p> <ul style="list-style-type: none"> <li>•Recognise that there are specialized</li> </ul>	
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		<p>sensory cells in different sense organs for detecting different stimuli</p> <ul style="list-style-type: none"> <li>•Relate our sense organs to the types of stimuli and the senses produced</li> <li>•Identify the main parts of an eye</li> <li>•State the functions of the main parts of an eye</li> <li>•Be aware that there are light-sensitive cells on the retina</li> <li>•Understand that sound is produced by vibrations and its transmission requires a medium</li> <li>•Recognise that hertz (Hz) is a unit of frequency of sound and decibel (dB) is a unit of loudness of sound</li> <li>•Identify the main parts of an ear</li> <li>•State the functions of the main parts of an ear</li> <li>•Be aware that there are specialized sensory cells in the cochlea for detecting vibrations</li> <li>•Be aware that the range of frequencies audible to humans is different from other animals</li> <li>•Describe the ways of protecting our sense of hearing</li> <li>•Recognise that the brain integrates and interprets information from different sense organs and acts as coordinator for making appropriate responses</li> <li>•Be aware that our senses are not always reliable and there may be illusions</li> </ul> <p>Unit 11</p> <ul style="list-style-type: none"> <li>•Recognise the relationship between average speed, distance and time</li> <li>•State that metre per second (<math>\text{ms}^{-1}</math>) is a unit of speed</li> <li>•Represent a motion using a distance-time graph</li> <li>•Identify uniform motion and non-uniform motion</li> <li>•Describe the effect of force on changing the speed and direction of motion of an object</li> <li>•State that newton (N) is a unit of force</li> <li>•Give examples of contact forces and noncontact forces</li> <li>•Recognise that an object will stay at</li> </ul>	
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		<p>rest or in uniform motion when the forces acting on it are balanced</p> <ul style="list-style-type: none"> <li>•State that gravity is the force that causes two objects to attract each other</li> <li>•State that gravity is the force that causes two objects to attract each other</li> <li>•Distinguish between weight and mass</li> <li>•</li> </ul> <p><b>Advanced Knowledge</b></p> <p>Unit 7</p> <ul style="list-style-type: none"> <li>•Understand that light, chlorophyll, carbon dioxide and water are the necessary factors for photosynthesis</li> <li>•Understand that there is a natural balance of carbon dioxide and oxygen in the atmosphere</li> </ul> <p>Unit 8</p> <ul style="list-style-type: none"> <li>•Identify series circuits</li> <li>•Recognise that the current is the same at <ul style="list-style-type: none"> <li>•all points in a series circuit</li> </ul> </li> <li>•Identify parallel circuits</li> <li>•Recognise that the current in the main loop is the sum of that in the branches and <ul style="list-style-type: none"> <li>•that a larger current flows in the branch with a lower resistance</li> </ul> </li> <li>•Recognise that the voltage across the branches of a parallel circuit is the same</li> <li>•Understand the danger of overloading in <ul style="list-style-type: none"> <li>•the use of universal adaptors</li> </ul> </li> <li>•Understand the condition leading to short circuits and its danger</li> </ul> <p>Unit 9</p> <ul style="list-style-type: none"> <li>•Present the change in pH in a neutralisation reaction with a pH curve</li> <li>•Recognise that dilute acids can attack metals and some building materials (e.g. <ul style="list-style-type: none"> <li>•limestone, marble) to produce hydrogen and carbon dioxide respectively</li> </ul> </li> </ul>	
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		<p>Unit 10</p> <ul style="list-style-type: none"> <li>•Describe briefly how an image is formed</li> <li>•on the retina</li> </ul> <p>Unit 11</p> <ul style="list-style-type: none"> <li>•Interpret a distance-time graph</li> <li>•Recognise that friction and air resistance</li> <li>•are forces that oppose the motion between contact surfaces</li> <li>•Describe ways for reducing friction and air resistance</li> <li>•Recognise that forces always work in</li> <li>•action and reaction pairs</li> <li>•Understand that action and reaction pairs are equal in magnitude, opposite in</li> <li>•direction and act on different objects</li> </ul>	
Science (2C, 2D)	<ul style="list-style-type: none"> <li>➤ Multiple-choice questions 多項選擇題</li> <li>➤ True or False 是非題</li> <li>➤ Fill in the Blanks 填充題</li> <li>➤ Structured Questions 結構性題目</li> <li>➤ Challenging Questions (Bonus)挑戰題 (額外加分)</li> </ul>	<p>➤ <b>Learning Log</b></p> <p><u>Unit 7 Living things and air</u></p> <p><u>單元八 電的應用</u></p> <p><u>Unit 9 Acids and alkalis</u></p> <p><u>單元十 環境的察覺</u></p> <p><u>單元十一 力和運動</u></p> <p>➤ <b>Text book</b> 課本 Book 2A, 2B</p> <p>➤ <b>Workbook</b> 作業 Book 2A, 2B</p> <p><b>Basic Knowledge</b></p> <p>Unit 7</p> <ul style="list-style-type: none"> <li>•Recognise that air is a mixture of gases</li> <li>•State the percentage of main gases in air</li> <li>•Describe the tests for oxygen, carbon dioxide and water</li> <li>•Recognise that photosynthesis is the process that plants make their own food</li> <li>•State that light energy is converted to</li> <li>•chemical energy in food during photosynthesis in plants</li> </ul>	<p><b>Basic Skills</b></p> <ul style="list-style-type: none"> <li>➤ Use different test for different gases</li> <li>➤ Read and draw simple circuit diagram 閱讀及繪畫簡單電路圖</li> <li>➤ Use force diagrams to show the direction of forces in daily examples 利用力圖表示日常例子中力的方向</li> <li>➤ use different indicators to distinguish acidic solutions and alkaline solutions</li> </ul> <p><b>Advanced Skills</b></p> <ul style="list-style-type: none"> <li>➤ Plot a graph to present experimental result 繪畫線圖表示實驗結果</li> <li>➤ Make interpretations and draw conclusion based on all available data 分析數據，並提出結論</li> </ul>

**2024-2025 年度 第二學期 中二級考試範圍**  
**Second Term - Examination Syllabuses (S2)**

		<ul style="list-style-type: none"> <li>• Write the word equation of photosynthesis</li> <li>• Recognise that the chemical energy stored in food can be changed by our body into other useful forms of energy to support body activities</li> <li>• Describe respiration as a process in which food is broken down in cells to release energy in usable form for cells</li> <li>• Write the word equation of respiration</li> <li>• Understand that the net gas exchange in plants depends on the relative rate of photosynthesis and respiration taken place</li> <li>• Compare the temperature and the composition of gases (oxygen, carbon dioxide and water vapour) between inhaled and exhaled air</li> <li>• Identify the main parts of the breathing system in humans</li> <li>• State that gas exchange in humans takes place at the air sacs</li> <li>• Recognise that smoking is harmful to health (e.g. causing lung cancer and heart diseases)</li> <li>• Recognise the health advice related to the Air Quality Health Index (AQHI)</li> </ul> <p>單元 8</p> <ul style="list-style-type: none"> <li>• 了解使燈泡亮著需要有電池和閉合的電路</li> <li>• 明白電池是電路中的能量來源</li> <li>• 辨識導電體和絕緣體</li> <li>• 了解開關是一個用以截斷或接通電路的裝置</li> <li>• 認識電路符號（電池、電池組、燈泡、開關、安培計、伏特計、電阻器和變阻器）</li> <li>• 說出安培(A)是電流的單位</li> <li>• 明白電流是電荷的流動</li> <li>• 明白電流的熱效應和磁效應）</li> <li>• 說出安培(A)是電流的單位</li> <li>• 說出伏特(V)是電壓的單位</li> <li>• 了解當電池組的電壓越大，在電路中產生的電流也越大</li> </ul>	
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**2024-2025 年度 第二學期 中二級考試範圍**  
**Second Term - Examination Syllabuses (S2)**

		<ul style="list-style-type: none"> <li>•說出歐姆是電阻的單位</li> <li>•了解在同一電路中，電阻越大會導致電流越小</li> <li>•了解三腳插頭內的線路安裝和辨識電線的色碼</li> </ul> <p>Unit 9</p> <ul style="list-style-type: none"> <li>•Give examples of common acids and alkalis found at home and in laboratory</li> <li>•Recognise that acid-alkali indicators are used to classify solutions as being acidic or alkaline</li> <li>•Recognise that the pH scale is used to describe the relative acidity and alkalinity of substances</li> <li>•Describe how pH paper, universal indicator and electronic instruments can be used to measure the pH of solutions</li> <li>•Compare the advantages and disadvantages of using universal indicator and electronic instruments in measuring the pH of solutions</li> <li>•Understand that salt and water will be formed when an acid is mixed with alkali</li> <li>•Potential hazards related to the use of acids and alkalis</li> <li>•Understand the causes of acid rain and its effects on the environment and living things</li> </ul> <p>單元 10</p> <ul style="list-style-type: none"> <li>•明白不同的感覺器官有特定的感覺細胞以探測不同的刺激</li> <li>•將感覺器官與刺激的種類和所產生的感覺連繫</li> <li>•辨識眼睛的主要部分</li> <li>•說出眼睛各主要部分的功用</li> <li>•知道視網膜上有感光細胞</li> <li>•了解聲音是由振動產生的，並需藉介質傳送</li> <li>•認識赫茲(Hz)是聲音頻率的單位和分貝(dB)是音量的單位</li> <li>•辨識耳的主要部分</li> <li>•說出耳的主要部分的功用</li> </ul>	
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**2024-2025 年度 第二學期 中二級考試範圍**  
**Second Term - Examination Syllabuses (S2)**

		<ul style="list-style-type: none"> <li>•知道耳蝸內有特定的感覺細胞探</li> <li>•測振動</li> <li>•知道人類可聽到的聲頻範圍與其它動物不同</li> <li>•描述保護聽覺的方法</li> <li>•明白腦會綜合和分析由不同感覺器官傳來的信息，並擔當協調的角色來讓身體作出適當的反應</li> <li>•知道感覺未必可靠，並可能出現錯覺</li> </ul> <p>單元 11</p> <ul style="list-style-type: none"> <li>•明白平均速率、距離和時間之間的關係</li> <li>•說出米每秒(<math>\text{ms}^{-1}</math>)是速率的單位</li> <li>•以距離——時間關係線圖表達物體的運動</li> <li>•辨識勻速運動與非勻速運動</li> <li>•描述力如何改變物體運動的速率和方向</li> <li>•說出牛頓(N)是力的單位</li> <li>•列舉接觸力和非接觸力的例子</li> <li>•明白當力是平衡時，物體會處於靜止或勻速運動的狀況</li> <li>•說出重力是一種令物體互相吸引的力</li> <li>•知道地球的重力把物體拉向地球中心</li> <li>•分辨重量和質量</li> </ul> <p><b>Advanced Knowledge</b></p> <p>Unit 7</p> <ul style="list-style-type: none"> <li>•Understand that light, chlorophyll, carbon dioxide and water are the necessary factors for photosynthesis</li> <li>•Understand that there is a natural balance of carbon dioxide and oxygen in the atmosphere</li> </ul> <p>單元 8</p> <ul style="list-style-type: none"> <li>•辨識串聯電路</li> <li>•明白在串聯電路中，各點的電流均相等</li> <li>•辨識並聯電路</li> <li>•明白並聯電路中的總電流是各分支電</li> </ul>	
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**2024-2025 年度 第二學期 中二級考試範圍**  
**Second Term - Examination Syllabuses (S2)**

		<p>流的和，而電阻較低的分支會有較大的電流通過</p> <ul style="list-style-type: none"> <li>•明白並聯電路中各分支的電壓均相等</li> <li>•了解萬能插蘇超負荷時的危險性</li> <li>•了解導致短路的情況及其危險性</li> </ul> <p>Unit 9</p> <ul style="list-style-type: none"> <li>•Present the change in pH in a neutralisation reaction with a pH curve</li> <li>•Recognise that dilute acids can attack metals and some building materials (e.g. limestone, marble) to produce hydrogen and carbon dioxide respectively</li> </ul> <p>單元 10</p> <ul style="list-style-type: none"> <li>•簡單描述影像如何在視網膜上形成</li> </ul> <p>單元 11</p> <ul style="list-style-type: none"> <li>•詮釋距離——時間關係線圖</li> <li>•明白摩擦力和空氣阻力會阻礙接觸面之間的運動</li> <li>•描述減少摩擦力和空氣阻力的方法</li> <li>•明白力總是以作用力和反作用力對的形式出現</li> <li>•了解作用力和反作用力對的大小相等，但方向相反並且作用在不同的物體上</li> </ul>	
中國歷史	<p>選擇題 Multiple-Choice 填充題 Fill in the Blanks 配對題 Matching 地圖題 Map Question 排序題 Sorting Question 資料及問答題 Data Based Questions</p>	<p>課本：P.80-219</p> <ul style="list-style-type: none"> <li>➢ 導學案五：《明代的君主集權政治》</li> <li>➢ 導學案六：《明代國勢的張弛》</li> <li>➢ 導學案七：《清朝的統一與清初盛世》、《清朝對各民族及地區的統治政治》及《清代的中衰》</li> <li>➢ 導學案八：《西力東漸》及《兩次鴉片戰爭》</li> <li>➢ 導學案九：《甲午戰爭》</li> <li>➢ 導學案十：《八國聯軍侵華》</li> <li>➢ 導學案十一：《洋務運動》</li> <li>➢ 導學案十二：《戊戌維新》</li> </ul> <p>包括課本、導學案、溫習筆記、習作</p>	<p>基礎技能</p> <ul style="list-style-type: none"> <li>➢ 地圖閱讀</li> <li>➢ 資料、數據分析</li> </ul> <p>進階技能</p> <ul style="list-style-type: none"> <li>➢ 史實引證</li> <li>➢ 多角度分析</li> <li>➢ 人物評價</li> </ul>

**2024-2025 年度 第二學期 中二級考試範圍**  
**Second Term - Examination Syllabuses (S2)**

		<p>基礎知識：</p> <ol style="list-style-type: none"> <li>1. 認識明代的君主集權政策及影響。</li> <li>2. 明後期政局混亂和明朝滅亡的原因</li> <li>3. 基督宗教再度來華及影響</li> <li>4. 認識對漢族施行高壓懷柔政策對清政局發展的正面效果。</li> <li>5. 兩次鴉片戰爭的原因及所簽訂條約的影響。</li> <li>6. 認識中日甲午戰爭的背景、經過、結果及影響。</li> <li>7. 認識列強瓜分中國和八國聯軍之役的背景及影響。</li> <li>8. 指出列國的勢力範圍。</li> <li>9. 認識洋務運動的背景及推行內容。</li> <li>10. 認識戊戌維新的目標、重要措施及影響。</li> </ol> <p>進階知識：</p> <ol style="list-style-type: none"> <li>1. 從資料分析明朝的統治政策的影響，其後政局的因果關係。</li> <li>2. 多角度（政治、貿易、交通）分析鄭和下西洋對當代的貢獻。</li> <li>3. 認識清初對其他少數民族的統治政策。</li> <li>4. 分析對漢族施行高壓懷柔政策對清政局發展的正面及負面效果。</li> <li>5. 比較《南京條約》、《北京條約》、《天津條約》的異同。</li> <li>6. 多角度(人才、制度及器物)分析中日甲午戰爭戰敗的原因。</li> <li>7. 指出史料（漫畫、圖片及歌謠）所示的訊息，並列舉證據及說明。</li> <li>8. 運用史料實證，並說明洋務運動是中國現代化的開端。</li> <li>9. 從漫畫中找出證據，引用相關史實，說明晚清的救亡圖強。</li> </ol>	
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