網上資優課程 (由教育局及香港資優教育學苑提供)

EDB Web-based Learning Courses for Gifted/More Able Students (offered by EDB and HKAGE)

主辦:香港資優教育學苑 Organiser: The Hong Kong Academy for Gifted Education

支持機構:教育局 Supporting Organisation: Education Bureau

課程內容 - 地球科學

Course Outline - Earth Science

第一級課程 Level 1 Course

| 1.1 太陽系與地球 | 1.1 Solar System And Earth |
|------------|----------------------------|
| 1.1 太陽系與地球 | 1.1 Solar System And Earth |

- 2.1 地球的內部結構2.1 Internal Structure Of The Earth
- 2.2 大陸飄移與板塊構造 2.2 Continental Drift And Plate Tectonics
- 2.3 Flate Boundaries And Plate Motions
- 3.1 礦物 3.1 Minerals
- 3.2 常見的岩石 3.2 Common Rocks
- 3.3 香港常見的岩石 3.3 Common Rocks In Hong Kong

第 1 級測試 Level 1 Test

第二級課程 Level 2 Course

| 4.1 地球的大氣層 | 4.1 Earth's Atmosphere |
|------------|------------------------|
|------------|------------------------|

- 4.2 Oceans And The Hydrosphere
- 4.3 斷層、褶曲和造山運動 4.3 Faults, Folds And Mountain Building
- 5.1 地震 5.1 Earthquakes
- 5.2 地質年代表 5.2 Geological time scale
- 5.3 Surficial Processes
- 6.1 地下水和山泥傾瀉 6.1 Groundwater and Landslides
- 6.2 Rock-forming Processes
- 6.3 香港的地貌 6.3 Landscape of Hong Kong

第 2 級測試 Level 2 Test

第三級課程 Level 3 Course

7.1 礦物 7.1 Minerals

7.2 地球的磁力 7.2 Earth's Magnetism

7.3 重力 7.3 Gravity

7.4 地質學與發展 7.4 Geology and Development

7.5 能源資源 7.5 Energy Resources

7.6 我們的生活環境 7.6 Our Living Environment

7.7 全球氣候變化 7.7 Global Climate Change

第 3 級測試 Level 3 Test

課程內容 - 古生物學

Course Outline - Palaeontology

第一級課程 Level 1 Course

主題大綱

第一章: 生物與古生物學的關係

第二章: 化石的基本概念

第三章: 地質年代 第四章: 生命起源

第五章: 化石發現

第 1 級測試

Topic Outline

Chapter 1: Relationship between Organisms and Palaeontology

Chapter 2: Basic Concepts of Fossils

Chapter 3: Geological Time Chapter 4: The Origin of Life

Chapter 5: The Discovery of Fossils

Level 1 Test

第二級課程 Level 2 Course

第一章: 寒武紀生命大爆發 第二章: 古無脊椎動物

第三章: 古脊椎動物

第四章: 恐龍的基本認識

第 2 級測試

Chapter 1: The Cambrian Explosion

Chapter 2: Prehistoric Invertebrates Chapter 3: Prehistoric Vertebrates

Chapter 4: Introduction to Dinosaurs

Level 2 Test

第三級課程 Level 3 Course

第一章: 古植物

第二章: 恐龍時代

第三章: 哺乳動物的興起

第四章:人類的起源和發展

第五章: 生物大滅絕事件

第 3 級測試

Chapter 1: Prehistoric Plants

Chapter 2: The Age of Dinosaurs

Chapter 3: The Rise of Mammals

Chapter 4: The Origin and Development of Humans

Chapter 5: Mass Extinction Events

Level 3 Test

課程內容 - 數學

Course Outline - Mathematics

第一級課程 Level 1 Course

代數

- 1. 算術挑戰
- 2. 算術基礎
- 3. 一元方程
- 4. 二元方程組
- 5. 其他應用
- 6. 代數史淺談

數論

- 1. 古埃及記數系統
- 2. 巴比倫記數系統
- 3. 瑪雅和印度 阿拉伯記數系統
- 4. 其他古文明的記數系統
- 5. 其他的記數系統

幾何學

- 1. 歐幾里德幾何學
- 2. 三角形
- 3. 多邊形

組合數學

- 1. 乘法和加法法則
- 2. 乘法原則的用法
- 3. 加法法則
- 4. 全取排列
- 5. 挑選和排列
- 6. 組合
- 7. 組合的其他應用
- 8. 組合的性質

概率

- 1. 概率與試驗
- 2. 概率論的誕生
- 3. 概率的計算 I
- 4. 概率的計算 Ⅱ

第 1 級測試

Algebra

- 1. Arithmetic Challenges
- 2. Basic arithmetic
- 3. Equations with one unknown
- 4. Equations with two unknowns
- 5. Other Applications
- 6. Brief History of Algebra

Number Theory

- 1. Egyptian Number System
- 2. Babylonian Number System
- 3. Mayan and Hindu-Arabic Number Systems
- 4. Number Systems in Other Ancient Cultures
- 5. Other Number Systems

Geometry

- 1. Euclidean Geometry
- 2. Triangles
- 3. Polygons

Combinatorics

- 1. Principles of Multiplication and Addition
- 2. Multiple use of Principle of Multiplication
- 3. Principle of Addition
- 4. Permutations
- 5. Choosing and Permuting Objects
- 6. Combinations
- 7. Other Applications of Combinations
- 8. Properties of Combinations

Probability

- 1. Some Experiments
- 2. The Birth of Probability
- 3. Probabilities and counting
- 4. Probability and Counting(continued)

Level 1 Test

代數

- 1. 負數簡介
- 2. 數線上的四則運算
- 3. 數線上的算術性質
- 4. 負數的應用
- 5. 一元多項式
- 6. 解二次方程
- 7. 二次公式
- 8. 二次方程的應用題

數論

- 1. 質數
- 2. 同餘算術
- 3. 歐幾里德算法

幾何學

- 1. 圓
- 2. 共點與共線
- 3. 其他經典定理

組合數學

- 1. 容斥原理
- 2. 圓形排列
- 3. 類形的分配
- 4. 過渡篇-多項式
- 5. 二項式
- 6. 組合數學與求和問題

概率

- 1. 事件的組合
- 2. 組合事件的概率
- 3. 條件概率和獨立事件
- 4. 貝葉斯定理
- 5. 概率與遺傳學

複數

- 1. 複數簡介
- 2. 複數的四則運算
- 3. 坐標平面及極坐標
- 4. 複平面

第 2 級測試

Algebra

- 1. Introduction of Negative Numbers
- 2. The Four Operations on The Number Line
- 3. Arithmetical Properties on The Number Line
- 4. Applications of Negative Numbers
- 5. Polynomials in One Variable
- 6. Solving Quadratic Equations
- 7. Quadratic Formula
- 8. Problems That Lead to Quadratic Equations

Number Theory

- 1. Primes
- 2. Modular Arithmetic
- 3. Euclidean Algorithm

Geometry

- 1. Circles
- 2. Concurrency and Collinearity
- 3. More Classical Theorems

Combinatorics

- 1. Inclusion-Exclusion Principle
- 2. Permutation in a Circle
- 3. Classifying Objects into Multiple Types
- 4. Interlude: Polynomials
- 5. Binomial Theorem
- 6. Summing Series in Combinatorics

Probability

- 1. Conjunctions
- 2. The Probability of a Combined Event
- 3. Conditional Probabilities and Independent Events
- 4. Bayes Theorem
- 5. Probabilities and Genetics

Complex Number

- 1. Introduction of complex numbers
- 2. Arithmetic Operations on Complex Numbers
- 3. Coordinate Plane and Polar Representation
- 4. Complex Plane

Level 2 Test

代數

- 1. 深入瞭解多項式
- 2. 數列
- 3. 級數

數論

- 1. 線性同餘方程
- 2. 數論中的重要定理
- 3. 密碼學

幾何學

- 1. 幾何變換
- 2. 反演變換
- 3. 複平面的幾何

組合數學

- 1. 鴿籠原理
- 2. 二色圖
- 3. 數學歸納法
- 4. 拉姆齊理論

概率

- 1. 隨機變量
- 2. 組合不同的隨機變量
- 3. 隨機變量的期望值
- 4. 隨機變量的和的期望值
- 5. 決策
- 6. 隨機變量的方差

複數

- 1. 深入瞭解單位根與棣美弗定理
- 2. 三次方程
- 3. 歐拉公式

第 3 級測試

Algebra

- 1. More on Polynomials
- 2. Sequences
- 3. Series

Number Theory

- 1. Linear Congruence Equations
- 2. Important Theorems from Number Theory
- 3. Cryptosystem

Geometry

- 1. Geometric Transformations
- 2. Inversions
- 3. Geometry of Complex Plane

Combinatorics

- 1. Pigeonhole Principle
- 2. Two-coloured Graphs
- 3. Interlude. Mathematical Induction
- 4. The General Ramsey Theory

Probability

- 1. Random Variables
- 2. Combining Random Variables
- 3. The Expectation of a Random Variable
- 4. The Expectation of the Sum of Random Variables
- 5. Decision Making
- 6. The Variance of a Random Variable

Complex Number

- 1. More on roots of unity and de Moivre's theorem
- 2. Cubic equations
- 3. The Euler's Formula

Level 3 Test

課程內容 - 天文學

Course Outline – Astronomy

第一級課程 Level 1 Course

| 第 1 級測試 | Level 1 Test |
|------------|-----------------------------------|
| 2.1 太陽系與地球 | 2.1 The Solar System |
| 1.2 常見天文現象 | 1.2 Common Astronomical Phenomena |
| 1.1 夜空 | 1.1 The Night Sky |

第二級課程 Level 2 Course

| 2.2 從以地球為中心的宇宙 | 2.2 From An Earth-Centred Universe To |
|----------------|---------------------------------------|
| 到以太陽為中心的宇宙 | A Sun-centred Universe |
| 3.1 太陽系的起源 | 3.1 Origin Of The Solar System |
| 3.2 行星 | 3.2 The Planets |
| 3.3 飛出太陽系 | 3.3 Beyond The Solar System |
| 第 2 級測試 | Level 2 Test |

第三級課程 Level 3 Course

| 第 3 級測試 | Level 3 Test |
|--------------|--------------------------------------|
| 5.2 宇宙學 — 初探 | 5.2 Cosmology - a first glimpse |
| 5.1 宇宙的大小 | 5.1 The Scale of the Universe |
| 4.3 恒星的形成與演化 | 4.3 Formation and Evolution of Stars |
| 4.2 恒星的特性 | 4.2 Properties of Stars |
| 4.1 光與望遠鏡 | 4.1 Light and Telescopes |

轉變中的香港經濟第一級課程

香港經濟發展:波動中增長

- 1. 香港的經濟發展概況
 - 1.1 從漁農經濟發展成轉口港
 - 1.2 香港經濟的工業化
 - 1.3 服務業逐漸成為香港的主導產業
 - 1.4 香港已成為高增值服務中心
- 2. 怎樣量度香港的經濟表現
 - 2.1 本地生產總值、名義和實質本地生產總值、量度香港的本地生產總值方法、 人均本地生產總值
 - 2.2 本地居民生產總收入(GNI)
 - 2.3 本地生產總值的國際比較、購買力平價(PPP)、經濟學人巨無霸指數
- 3. 香港的經濟周期
 - 3.1 經濟周期
 - 3.2 影響本地生產總值的因素、總需求、總供應、實質本地生產總值: 短期決定因素、 短期經濟衝擊
 - 3.3 經濟衰退及穩定經濟政策
- 4. 香港的經濟增長和發展
 - 4.1 量度經濟增長、中國經濟增長的預測 香港與澳門本地生產總值的比較、香港本地生產總值的國際比較
 - 4.2 影響經濟增長的因素、產出持續增長的因素、人力資本與香港的經濟增長、 香港的經濟增長政策、內地、香港的知識產權保障、經濟增長與貪污
 - 4.3 經濟增長與發展的關係、人類發展指數、地區發展的差別、亞洲的經濟發展
 - 4.4 經濟增長引起的問題、經濟增長的代價、 收入不均
 - 4.5 「一帶一路」計劃及香港的角色

第一級測試

一. 香港:國際旅遊城市

- 1. 序言、旅遊的定義、常見的旅遊目的
- 2. 香港旅遊業發展概況
 - 2.1 香港大事記及旅遊發展史
 - 2.2 來港旅客的主要旅遊目的、旅客的來源地、年齡
- 3. 香港旅遊業的經濟貢獻
 - 3.1 香港旅遊業的供應、經濟貢獻
 - 3.2 香港旅遊業的需求、旅客的消費和開支模式、相關行業的經濟貢獻
 - 3.3 行業的旅遊業附加值比率
- 4. 香港旅遊業的機會與挑戰
 - 4.1 政策目標
 - 4.2 優勢與發展
 - 4.3 挑戰

二. 香港: 國際貿易樞紐

- 1. 序言
 - 1.1 香港進出口貿易業服務範圍
 - 1.2 香港進出口貿易業服務提供者
- 2. 香港:國際貿易中心、國際貿易的好處與壞處、比較優勢、全球供應鏈
 - 2.1 中國的國際貿易結構、出口貨品種類及目的地的轉變、中國商品進口貿易
 - 2.2 香港的國際貿易結構、貿易開放度、與其他國家的貿易、CEPA的經濟影響
 - 2.3 中、港的貿易關係轉變、港產品出口往內地的貿易、從內地進口的貨品貿易
 - 2.4 香港商品貿易的變化和趨勢
- 3.貿易及物流服務業對香港經濟的貢獻
 - 3.1 對本地生產總值的貢獻
 - 3.2 對香港勞工市場的貢獻
- 4. 貿易及物流業的競爭優勢與挑戰
 - 4.1 競爭優勢
 - 4.2 挑戰

三. 香港:國際金融中心

- 1. 序言
- 2.香港金融服務業發展
 - 2.1 與金融業有關的經濟概念(投資、融資、iBonds、時間價值、股票、債券等)
 - 2.2 香港股票市場大事紀要、持有公司股份的意義、通脹掛勾零售債券
 - 2.3 香港股票市場的發展(上市公司數目、首次上市集資額、恒生指數等)
- 3. 香港金融業的經濟貢獻
 - 3.1 對本地經濟的貢獻
 - 3.2 對本地生產總值的貢獻
- 4. 香港金融業的機會與挑戰

第二級測試

一. 香港應否檢討「自由行」政策?

- 1. 「個人遊」議題的背景
 - 1.1 香港近年的經濟狀態
 - 1.2 「個人遊」旅客統計數字
 - 1.3 「個人遊」旅客的特點
- 2 「個人遊」的經濟貢獻
 - 2.1 旅客購物開支
 - 2.2 增加價值、對本地生產總值的貢獻
 - 2.3 就業機會
 - 2.4 總結性問題 「個人遊」的經濟貢獻分析
- 3. 「個人遊」對社會的影響
- 3.1 入境旅遊的界外效應、私人零售鋪位租金、零售業務單一化
 - 3.2 總結性問題 「個人遊」的經濟成本分析
- 4. 「個人遊」議題總結

二. 香港應否興建第三跑道?

- 1. 序言
 - 1.1 在世界領先的香港國際機場
 - 1.2 航空業的相關國際機構
- 2. 建議興建第三跑道的背景
 - 2.1 本港機場現時營運情況
 - 2.2 未來的航空運輸量預測
 - 2.3 興建第三跑道的計劃內容
- 3. 航空業及第三跑道的經濟貢獻
 - 3.1 航空業能支持其他行業、直接貢獻、間接貢獻、誘發貢獻、催化效應
 - 3.2 第三跑道將帶來巨大的潛在收益
- 4. 興建第三跑道帶來的社會影響
 - 4.1 社會成本、界外效應
 - 4.2 第三跑道的社會成本:二氧化碳排放成本
 - 4.3 第三跑道的社會成本:破壞海洋生態
 - 4.4 預計收益的估算
- 5. 總結

三. 香港應否增加扶貧福利?

- 1. 甚麼是收入不均?
- 2. 收入不均對社會有何影響?
 - 2.1 經濟發展
 - 2.2 貧窮問題
 - 2.3 失業問題
 - 2.4 社會流動性
 - 2.5 社會繁榮及安定
- 3. 如何量度收入不均?
 - 3.1 堅尼系數的局限和分析、羅倫茲曲線
 - 3.2 香港堅尼系數的轉變
 - 3.3 世界各地的堅尼系數的轉變
- 4. 導致收入不均的成因
 - 4.1 教育及人力資源
 - 4.2 人口老化
 - 4.3 全球化
 - 4.4 外判問題
- 5. 應付收入不均(貧富懸殊)問題的政策討論
 - 5.1 收入和財富重新分配
 - 5.2 政府財政政策、累進稅制
 - 5.3 轉移支付政策、綜接計劃和收入不均
 - 5.4 教育支出
 - 5.5 公共房屋
 - 5.6 公共醫療
 - 5.7 最低工資法案
- 6. 總結

第三級測試

Development of Hong Kong Economy: Growth in Fluctuations

- 1. An Overview of the Economic Development in Hong Kong
 - 1.1 From an Economy of Agriculture and Fishery to an Entrepôt
 - 1.2 The Industrialisation of Hong Kong's Economy
 - 1.3 Hong Kong's Service Industry has Gradually Become the Dominant Industry
 - 1.4 Hong Kong has Become a High Value-added Service Centre
- 2. How to Measure the Economic Performance of Hong Kong?
 - 2.1 Gross Domestic Product, GDP (本地生產總值), Nominal GDP (名義本地生產總值) and Real GDP (實質本地生產總值), Hong Kong's GDP Measurement Approaches, Per Capita GDP (人 均本地生產總值)
 - 2.2 Gross National Income, GNI (本地居民生產總收入)
 - 2.3 International Comparisons of GDP (本地生產總值的國際比較), Purchasing Power Parity, PPP (購買力平價), Big Mac Index (巨無霸指數) of The Economist
- 3. Hong Kong's Business Cycle (經濟周期)
 - 3.1 Business Cycle
 - 3.2 Factors Affecting GDP (影響本地生產總值的因素), Aggregated Demand (總需求), Aggregated Supply (總供應), Real GDP: Short-term Determinants (實質本地生產總值: 短期決定因素), Short-term Economic Shocks (短期經濟衝擊)
 - 3.3 Economic Recession and Stabilisation Policies (經濟衰退及穩定經濟政策)
- 4. Hong Kong's Economic Growth and Economic Development
 - 4.1 Measurement of Economic Growth, China's Economic Growth Forecast (中國經濟增長的預測), Comparison of GDP of Hong Kong and Macao (香港與澳門本地生產總值的比較), International Comparison of Hong Kong's GDP (香港本地生產總值的國際比較)
 - 4.2 Factors Affecting Economic Growth (影響經濟增長的因素), Factors of Sustained Output Growth (產出持續增長的因素), Human Capital and Economic Growth in Hong Kong (人力資本與香港的經濟增長), Hong Kong's Policies for Economic Growth, Intellectual Property Rights Protection in China and Hong Kong (內地、香港的知識產權保障), Economic Growth and Corruption (經濟增長與貪污)
 - 4.3 Relationship between Economic Growth and Development, Human Development Index (人類發展指數), Differences in Regional Development, The economic development performance of Asian regions (亞洲的經濟發展)
 - 4.4 Problems Caused by Economic Growth (經濟增長引起的問題), The Cost of Economic Growth (經濟增長的代價), Income Inequality (收入不均)
 - 4.5 The Belt & Road Initiative and Hong Kong's Role

Level 1 Test

Topic One - Hong Kong: International Tourism City

- 1. Foreword, Definition of Tourism, Usual Reasons to Travel
- 2. Development of Hong Kong Tourism
 - 2.1 Hong Kong Milestones and Tourism Development
 - 2.2 Main Reasons Why People Come to Hong Kong, Visitor Characteristics by Age and by Major Market Areas
- 3. Contribution of Hong Kong Tourism to Economy
 - 3.1 Supply to Hong Kong Tourism, Tourism's Contribution to Hong Kong Economy
 - 3.2 Demand to Hong Kong Tourism, Spending and Expenditure Patterns of Visitors, Economic Contribution of Inbound Tourism Related Industries
 - 3.3 Industry Tourism Ratio
- 4. Challenges and Opportunities of Hong Kong Tourism
 - 4.1 The Policy Target of Hong Kong Tourism
 - 4.2 Hong Kong Tourism's Distinct Advantages
 - 4.3 Challenges on the Development of Hong Kong Tourism

Topic Two - Hong Kong: International Trade Hub

- 1. Foreword
 - 1.1 The Range of Services of Hong Kong's Import and Export Trade
 - 1.2 The Service Providers of Hong Kong's Import and Export Trade
- 2. Hong Kong: An International Trade Centre, The Benefits and Harms of International Trade, Comparative Advantage, Global Supply Chain
 - 2.1 The International Trade Structure of China, The Changes in Exported Commodity Divisions and Their Destinations, China's Merchandise Imports Trade
 - 2.2 The International Trade Structure of Hong Kong, Trade Openness (貿易開放度), Trades between Hong Kong and Other Countries, Economic Impacts of CEPA
 - 2.3 Changes in the Trade Relationship between China and Hong Kong, Domestic Exports to China, Trade in Goods Imported from Mainland China
 - 2.4 Changes and Trends in Hong Kong Merchandise Trade
- 3. The Contribution of Trading and Logistics Services Industry to the Hong Kong Economy
 - 3.1 The Contribution of Trading and Logistics Services Industry to GDP
 - 3.2 The Contribution of Trading and Logistics Services Industry to Hong Kong's Labour Market

- 4. The Competitive Advantages and Challenges of the Trading and Logistics Services Industry
 - 4.1 Competitive Advantages
 - 4.2 Challenges

Topic Three: Hong Kong: International Financial Centre

- 1. Foreword
- 2. The Development of Hong Kong's Financial Services Industry
 - 2.1 Economic Concepts Related to the Financial Industry (Investment, Financing, iBonds, Time Value of Money, Stock/Equity, Bonds)
 - 2.2 Hong Kong Stock Market Historical Events, The Meaning of Holding a Company's Shares, Inflation-linked Retail Bonds
 - 2.3 Development of the Hong Kong Stock Market (Number of Listed Companies, Value of Initial Public Offerings, Hang Seng Index, etc.)
- 3. The Economic Contribution of the Hong Kong Financial Industry
 - 3.1 The Economic Contribution of the Financial Services Industry to Hong Kong
 - 3.2 The Contribution of the Hong Kong Financial Services Industry to the Territory's GDP
- 4. Opportunities and Challenges Facing the Hong Kong Financial Services Industry

Level 2 Test

Topic One: Should Hong Kong Review the "Individual Visit scheme" Policy?

- 1. Background: Individual Visit Scheme (IVS/個人遊)
 - 1.1 The Economic Status of Hong Kong in Recent Years
 - 1.2 Statistics of IVS Visitors
 - 1.3 Characteristics of IVS Visitors
- 2 Economic Contributions of IVS
 - 2.1 Consumption Expenditure by Visitors
 - 2.2 Value-Added, Contribution of IVS to the Gross Domestic Product (GDP) in Hong Kong
 - 2.3 Employment Opportunities
 - 2.4 Summary Questions Analysis of Economic Contributions of IVS
- 3. Social Impacts of IVS
 - 3.1 Externalities of Inbound Tourism, Private Retail Rentals, Homogenization of Retailing Businesses
 - 3.2 Summary Questions Analysis of Economic Costs of IVS
- 4. Conclusion

Topic Two: Should Hong Kong Build the 3rd Runway?

- 1. Foreword
 - 1.1 The Hong Kong International Airport: A World Leader
 - 1.2 Relevant International Bodies in the Aviation Industry
- 2. Background to the Proposal to Build a Third Runway
 - 2.1 Current Operation Movements at the Hong Kong International Airport
 - 2.2 Air Traffic Forecast
 - 2.3 Content of the Third Runway Construction Plan
- Economic Contribution by Aviation Industry and the Third Runway
 - 3.1 The Aviation Industry can Support Other Sectors of the Economy, Direct Effects (直接貢獻), Indirect Impacts (間接貢獻), Induced Impacts (誘發貢獻), Catalytic Effects (催化效應)
 - 3.2 The Third Runway Will Bring Enormous Potential Benefits
- 4. The Social Impacts of the Construction of the Third Runway
 - 4.1 Social Costs, Externalities
 - 4.2 Social Costs: Costs of Carbon Dioxide Emissions
 - 4.3 Social Costs: Destruction of Marine Ecology
 - 4.4 Estimation of Expected Returns
- 5. Summary

Topic Three: How should Hong Kong Deal with Income Inequality (收入不均)?

- 1. What is Income Inequality?
- 2. What are the impacts of income inequality on society?
 - 2.1 Economic Development
 - 2.2 Poverty
 - 2.3 Unemployment
 - 2.4 Social Mobility
 - 2.5 Social Stability and Prosperity
- 3. How do we measure income inequality?
 - 3.1 Limitations and Analysis of the Gini Coefficient, Lorenz Curve
 - 3.2 Changes in the Gini Coefficient (堅尼系數) in Hong Kong
 - 3.3 The Change of Gini Coefficient (堅尼系數) in Different Countries
- 4. What Leads to Income Inequality?
 - 4.1 Education and Human Capital (教育及人力資源)
 - 4.2 Aging Population (人口老化)
 - 4.3 Globalisation (全球化)
 - 4.4 Outsourcing (外判問題)
- 5. A Discussion of Policies Targeted at Income Inequality and Wealth Disparity
 - 5.1 Redistribution of Income and Wealth (收入和財富重新分配)
 - 5.2 Government Fiscal Policy (政府財政政策), Progressive Tax (累進稅制)
 - 5.3 Transfer Payments (轉移支付政策), The CSSA (綜援) Scheme and Income Inequality
 - 5.4 Education Expenditure (教育支出)
 - 5.5 Public Housing (公共房屋)
 - 5.6 Public Health Care (公共醫療)
 - 5.7 Minimum Wage Ordinance (最低工資法案)
- 6. Conclusion

Level 3 Test