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IGCSE Mathematics

Y10 Summer course class structure

	Description
Lesson 1 Lesson 2	**Algebra** I. Interpretation of inequalities II. Rearrangement of formulae and simplifying III. Simultaneous equation and application IV. Factorization and application V. Learn how to solve equation with variation and inverse variation
Lesson 3 Lesson 4	**Coordinate Geometry and straight lines** I. Learn how to plot graphs II. Using the graphs to find out the distance, gradient and also the equation of the line III. Applying inequalities from the last topic to coordinate geometry
Lesson 5 Lesson 6	**Probability** I. Learning the basic of probability II. Know the difference between discrete and continuous data III. Learn how to combine different event's probability IV. Learn how to draw and use tree diagram V. Learn how to draw and use Venn diagram

IGCSE Mathematics

Y11 (Extended) Summer Course Class Structure

	Description
Lesson 1	**Trigonometry** I. Recap of the right-angle trigonometry (SOH-CAH-TOA)
Lesson 2	II. Use of Sine rule and Cosine rule on irregular triangles III. Finding the area of irregular triangles IV. Application of bearings
Lesson 3	V. Introduction to trigonometric graphs VI. Introduction to unit circles and solving trigonometric equations
Lesson 4	**Geometry** I. Recap of the basic geometrical terms and rules
Lesson 5	II. Application of the Pythagoras' theorem III. Learning the concept of tangent and terms in a circle
Lesson 6	IV. Introduction to circle theorems and cyclic quadrilaterals V. Using similarity to solve different geometrical problems
After Lesson 6	**End-of-Course Assessment** Results and comments will be given within 1 week.

IGCSE Mathematics

Y11 (Additional) Summer Course Class Structure

	Description
Lesson 1	**Trigonometry and Circular measure** I. Six trigonometric functions of angles of any magnitude (sine, cosine, tangent, secant, cosecant, cotangent)
Lesson 2	II. Advanced problems of sine rule, cosine rule, the sine area formula and bearings, using both degrees and radians III. Unit circles
Lesson 3	IV. Solving trigonometric equations with different domains and changing the domain according to the angles] V. Use of trigonometric identities (including proofs)
Lesson 4	VI. Trigonometric graphs and the transformations VII. Trigonometric graphs and equations mixed with other types of functions VIII. Circles (arc length and sector area of a circle, in both degrees and radians)
Lesson 5	**Permutation and Combination** I. Distinguish between a permutation and a combination case
Lesson 6	II. Use of factorials, nPr and nCr III. Problems on arrangement and selection
After Lesson 6	**End-of-Course Assessment** Results and comments will be given within 1 week.

IGCSE Mathematics

Y11 (Core) Summer Course Class Structure

	Description
Lesson 1	Trigonometry
Lesson 2	I. Introduction to right-angle trigonometry (SOH-CAH-TOA) II. Bearings and North, East, South, West III. Applications of 2D trigonometry
Lesson 3	Geometry
Lesson 4	
Lesson 5	I. Reflectional and rotational symmetry II. Angle properties III. Interior and Exterior Angles
Lesson 6	IV. Application of the Pythagoras' theorem V. Circle Theorems

IGCSE Coordinated Science

Y10 Summer course class structure

	Description
Lesson 1	Paper 6 We will go through examination skills on tackling paper 6 - Alternative to practical.
Lesson 2	Balancing equation Review on setting up chemical equations for all types of reactions within the syllabus.
Lesson 3	Bonding, Structures and electron diagram All substances are made of atoms. There are few types of bonding for atoms to form compounds.
Lesson 4	Electricity Symbols and definition of circuits. Important equations in electronics.
Lesson 5	Digestive system How food is broken down into smaller food molecules.
Lesson 6	Transportation (animals and plants) Water and food need to be transported throughout the plants. Circulatory system of animals.

* Course code of Cambridge IGCSE Co-ordinated Science 0654 Syllabus

IGCSE Coordinated Science

Y11 Summer course class structure

	Description
Lesson 1	Balancing equation Review on setting up chemical equations for all types of reactions within the syllabus.
Lesson 2	Acid and base How to test the pH of a solution. How acid or base reacts with metals and carbonate. How to prepare different salt.
Lesson 3	Bonding, Structures and electron diagram All substances are made of atoms. There are few types of bonding for atoms to form compounds.
Lesson 4	Digestive system How food is broken down into smaller food molecules.
Lesson 5	Transportation (animals and plants) Water and food need to be transported throughout the plants. Circulatory system of animals.
Lesson 6	Magnetism The study of electromagnet, motor and generator.

* Course code of Cambridge IGCSE Co-ordinated Science 0654 Syllabus

IGCSE English Language/ Literature

Y10 Summer course class structure

	Description
Lesson 1	Analysing fiction texts ● Skimming for the main idea ● Annotating the source ● Literary devices
Lesson 2	Commenting on language and word choices ● Making a point ● Identifying evidence ● Explanation of evidence and linkage
Lesson 3	Narrative Writing ● Creation of characters ● Creation of settings ● Development of plot
Lesson 4	Descriptive Writing ● Imagery writing
Lesson 5	Argumentative Writing ● Learning the structure ● Content and organisation
Lesson 6	Persuasive Writing ● Learning the structure

IGCSE English Language/ Literature

Y11 Summer course class structure

	Description
Lesson 1	Analysing fiction texts - Annotating an extract - Commenting on language - Word choices - Technique - Tone
Lesson 2	Analysing fiction texts Writing PEEL paragraphs
Lesson 3	Evaluating fiction texts - Structure - Impact on readers - Focusing on atmosphere and characterisation
Lesson 4	Understanding non-fiction sources - Summarising texts - Structure on similarities and differences
Lesson 5	Understanding non-fiction sources - Language analysis - Word choices and tone - Comparison between sources
Lesson 6	Transactional writing - Learning structures of different text types - Argumentative and persuasive writing

IGCSE Chinese First Language

Y10 and Y11 Summer course class structure

	Description
Lesson 1	介紹 IGCSE 中文第一語言考試模式 閱讀理解練習 學習基本修辭技巧:比喻、擬人、誇張、排比
Lesson 2	寫作練習:記敘文 學習記敘手法
Lesson 3	閱讀及寫作練習 綜合能力訓練 – (從文章中選取出重點,再用於寫作)
Lesson 4	寫作練習:描寫文 學習描寫手法
Lesson 5	閱讀理解文言文一篇 學習基本古文知識
Lesson 6	寫作練習:議論文 學習論證手法

IGCSE Chinese Second Language

Y10 and Y11 Summer course class structure

	Description
Lesson 1	介紹 IGCSE 中文第二語言考試模式 閱讀理解練習 (短問答/選擇題)
Lesson 2	寫作練習:短文:100-150 字 學習寫作格式:電子郵件
Lesson 3	閱讀理解練習:長問答
Lesson 4	寫作練習:長文:250 - 300 字 學習寫作格式:校刊
Lesson 5	聆聽練習:包含短問答、長問答、選擇題
Lesson 6	閱讀理解練習 (短問答/選擇題) 口語練習: 個人演講(2 分鐘) 對話(4 分鐘) 教授對話及演講技巧

IGCSE Chinese Foreign Language

Y10 and Y11 Summer course class structure

	Description
Lesson 1	Reading comprehension practice
Lesson 2	Writing practice: Short writing 80-100 words
Lesson 3	Listening: Multiple-choice and short questions only Speaking practice: Conversation
Lesson 4	Writing practice: Long writing 150-200 words
Lesson 5	Reading comprehension practice
Lesson 6	Listening: Multiple-choice and short questions only Speaking practice: Conversation

IGCSE Economics (Edexcel)

Y11 Summer course class structure

	Description

Lesson 1
 	
Lesson 2
	Microeconomics and Business Economics
	  I. The Market System
	  II. Economic problem and assumptions
	  III. Elasticities
	  IV. Externalities
	  V. Business Economics
	  VI. Production
	  VII. Business costs

Lesson 3
 	
Lesson 4
	Macroeconomics and the Global Economy
	  I. Macroeconomic Objectives
	  II. Government Policies
	  III. LRAS and Supply side policies
	  IV. Relationship between objectives and policies

Lesson 5
 	
Lesson 6
	The Global Economy
	  I. Globalisation
	  II. International Trade
	  III. Protectionism
	  IV. Exchange Rates

	Mock Exam

*All units will include notes and diagrams. Furthermore, past papers will be used to further understand the appropriate use of definitions, analysis and evaluative skills.