

CAMBRIDGE UPPER SECONDARY

GRADE: 9

ACCOUNTING

Course Book: Cambridge IGCSE and O Level Accounting - Catherine Coucom

Work Book: Cambridge IGCSE and O Level Accounting - Catherine Coucom

Term 1	
ACCOUNTING	
UNITS	SUB-UNITS
Ch 11: Other Payables and Other Receivables	<ul style="list-style-type: none"> Accrued and prepaid expenses and incomes, entries & treatment in financial statements.
Ch 12: Accounting for depreciation and disposal of noncurrent assets.	<ul style="list-style-type: none"> Methods of depreciation and journal entries/ledger accounts for provision for depreciation, disposal of non-current assets
Ch 13: Irrecoverable debts and Provision for doubtful debts	<ul style="list-style-type: none"> Updated cash book, preparation of bank reconciliation statement
Ch 15: Journal Entries and Correction of errors	<ul style="list-style-type: none"> Rectification entries, suspense accounts, statement of corrected net profit
Chapters 1-15 for term 1 assessment (Chapters 1-10 portion covered in Pre-IG)	

Term 2	
UNITS	SUB-UNITS
Ch 16: Control Accounts	<ul style="list-style-type: none"> • Sales ledger control a/c, • Purchase ledger control a/c
Ch 17: Incomplete Records	<ul style="list-style-type: none"> • Calculation of sales, purchases, gross/net profit, debtors/creditors, etc. from incomplete information and then prepare Income statement and Statement of financial position
Ch 18: Accounts Of Clubs And Societies	<ul style="list-style-type: none"> • Receipts and Payments A/c • Income and Expenditure A/c • Trading A/c and statement of financial position with all adjustments • Preparation of Subscriptions Account and Accumulated Fund
Ch19: Partnership Accounts	<ul style="list-style-type: none"> • Income statement, and Profit and Loss Appropriation • A/Cs and statement of financial position; Columnar • Capital and Current A/Cs of partners, Interest on partners' capital, drawings and loans and adjustments in financial statements
Chapters 1-19 for term 2 assessment (Chapters 1-10 covered in PRE-IG, Chapters 11-15 covered in 9 Term 1 included)	

GRADE: 9
ART AND DESIGN

Term 1	
ART AND DESIGN	
UNITS	SUB-UNITS
Unit 1: Study of Elements or Principles of Design and Perspective Unit 2: Graffiti Art (Design for a wall panel) Unit 3: Still Life Unit 4: Observational Study made from Manmade or Natural objects Component 4: Coursework Assignment	
Term 2	
UNITS	SUB-UNITS
Unit 5: Sketching Unit 6: Study and Research of any Artist's Work and Style Unit 7: Outdoor Sketching Component 4: Coursework Assignment	

GRADE: 9

BIOLOGY

Course Book: Cambridge Biology Coursebook by Mary Jones and Geoff Jones

Term 1	
BIOLOGY	
UNITS	SUB-UNITS
6. Plant Nutrition	6.1 Photosynthesis 6.2 Leaf Structure
7. Human Nutrition	7.1 Diet 7.2 Digestive System 7.3 Physical Digestion 7.4 Chemical Digestion 7.5 Absorption
8. Transport in Plants	8.1 Xylem and Phloem 8.2 Water Uptake 8.3 Transpiration 8.4 Translocation
9. Transport in Animals	9.1 Circulatory Systems 9.2 Heart 9.3 Blood vessels 9.4 Blood
10. Diseases and Immunity	10.1 Diseases and Immunity
15. Drugs	15.1 Drugs
For term 1 assessment Portion covered in grade 9 term 1 and Ch 1 to 5 (Portion covered in Pre-IG)	

Term 2	
UNITS	SUB-UNITS
11. Gas Exchange in Humans	11.1 Gas Exchange In Humans
12. Respiration	12.1 Respiration 12.2 Aerobic Respiration 12.3 Anaerobic Respiration
13. Excretion in Humans	13.1 Excretion in Humans
14. Coordination and Response	14.1 Coordination and Response 14.2 Sense Organs 14.3 Hormones 14.4 Homeostasis 14.5 Tropic Responses
19. Organisms and their Environment	19.1 Energy Flow 19.2 Food Chains and Food Webs 19.3 Nutrient Cycles 19.4 Populations
20. Human Influences on Ecosystems	20.1 Food Supply 20.2 Habitat Destruction 20.3 Pollution 20.4 Conservation
21. Biotechnology and Genetic Modification	21.1 Biotechnology And Genetic Modification 21.2 Biotechnology 21.3 Genetic Modification
For Term 2 Assessment (Portion covered in Pre-IG, 9 term 1 included)	

GRADE: 9

BUSINESS STUDIES

Text Book Name: Business Studies Cambridge IGCSE and O level, Fifth Edition

Authors: Karen Borrington and peter Stimpson

Publication: Hodder Education

Term 1	
BUSINESS STUDIES	
UNITS	SUB-UNITS
2. People in Business	<ul style="list-style-type: none"> Recruitment, Selection and Training of Workers Internal & External Communication
3. Marketing	<ul style="list-style-type: none"> Marketing, Competition and the Customer Market Research Marketing Mix Marketing Strategies
Chapter 1-7 for term 1 assessment (portion covered in Pre-IG)	
Term 2	
UNITS	SUB-UNITS
4. Operations Management	<ul style="list-style-type: none"> Production of goods and services Costs, scale of production and break-even analysis Achieving quality production Location decisions
5. Financial information and decisions	<ul style="list-style-type: none"> Business finance: needs and sources Cash flow forecasting and working capital Statement of financial position Analysis of accounts
For Term 2 Assessments (Portion covered in Pre-IG, 9 term 1 included)	

GRADE: 9

CHEMISTRY

Text Book Name: Complete Chemistry for Cambridge, Fifth Edition

Authors: Rose Marie Gallagher & Paul Ingram

Publication: Oxford University Press

Term 1	
CHEMISTRY	
UNITS	SUB-UNITS
Unit 4:Electrochemistry	4.1 Electrolysis 4.2 Hydrogen-oxygen Fuel Cells
Unit 5 : Chemical Energetics	5.1 Exothermic and Endothermic Reactions
Unit 6: Chemical Reactions	6.1. Physical and Chemical Changes 6.2. Rate of Reaction 6.3. Reversible Reactions and Equilibrium 6.4. Redox 9.5. Reversible Reactions 9.6. Shifting the Equilibrium
Unit 8: The Periodic Table	8.1 Arrangement of Elements 8.2 Group I Properties 8.3 Group VII Properties 8.4 The Transition Elements 8.5 Group VIII Properties
Chapter 1-6 for Term 1 Assessment (Portion covered in Pre-IG)	
Term 2	
UNITS	SUB-UNITS
Unit 7: Acids, Bases and Salts	7.1 Characteristic Properties of Acids and Bases 7.2 Oxides 7.3 Preparation of Salts

Unit 9: Metals	9.1 Properties of Metals 9.2 Uses of Metals 9.3 Alloys and their Properties 9.4 The Reactivity Series 9.5 Corrosion of Metals 9.6 Extraction of Metals
Unit 10: Chemistry of Environment	10.1 Water 10.2 Fertilisers 10.3 Air Quality and Climate
For term 2 assessment (portion covered in Pre-IG, 9 term 1 included)	

GRADE: 9

ECONOMICS

Text Book Name: Cambridge IGCSE and O level Economics, Second Edition

Authors: Susan Grant

Term 1	
ECONOMICS	
UNITS	SUB-UNITS
Unit 3. Microeconomic Decision Makers	3.1 Money and Banking 3.2 Households 3.3 Workers 3.4 Trade Unions 3.5 Firms 3.6 Firms and Production 3.7 Firms Costs, Revenue and Objectives 3.8 Market Structure
Unit 4 Government and the Macroeconomy	4.1 The Role of Government 4.2 The Macroeconomic Aims of Government 4.3 Fiscal policy 4.4 Monetary policy 4.5 Supply-side policy
Unit 1 and 2 For Term 1 Assessment (Portion covered in Pre-IG)	
Term 2	
UNITS	SUB-UNITS
Unit 4 Government and the Macroeconomy	4.6 Economic Growth 4.7 Employment and Unemployment 4.8 Inflation and Deflation
Unit 5 Economic Development	5.1 Living Standards 5.2 Poverty 5.3 Population 5.4 Differences In Economic Development Between Countries
Portion covered in Pre-IG and Gr-9 Term 1 for TERM 2 assessment	

GRADE: 9

LITERATURE IN ENGLISH

Songs of Ourselves - Volume 1, Part 4, Stories of ourselves - Volume 2, William Shakespeare- Othello, Wole Soyinka - Death and the King's Horseman

Term 1	
LITERATURE IN ENGLISH	
UNITS	SUB-UNITS
Poetry	<ul style="list-style-type: none"> Edward Thomas, Rain Anne Stevenson, The Spirit is too Blunt an Instrument Tony Harrison, From Long Distance
Prose	<ul style="list-style-type: none"> Henry Handel Richardson, And Women Must Weep Marghanita Laski, The Tower
Drama	<ul style="list-style-type: none"> William Shakespeare - Othello: Act 3 and 4 Wole Soyinka - Death and the King's Horseman Act 1 and 2
Term 2	
UNITS	SUB-UNITS
Poetry	<ul style="list-style-type: none"> W H Auden, Funeral Blues Thomas Hardy, He Never Expected Much Fleur Adcock, The Telephone Call
Prose	<ul style="list-style-type: none"> Janet Frame, The Reservoir Langston Hughes, Thank You Mam
Drama	<ul style="list-style-type: none"> William Shakespeare . Othello - Act 5 Wole Soyinka - Death and the King's Horseman - Act 3, 4 and 5

GRADE: 9

FIRST LANGUAGE ENGLISH

Complete First Language English for Cambridge IGCSE: OXFORD

Term 1	
FIRST LANGUAGE ENGLISH	
UNITS	SUB-UNITS
Unit 1: Chapter 3 - Points of view	<ul style="list-style-type: none"> • Memories of Christmas (2) • Comprehension practice sheet • • Looking for evidence (13 April 1809) Workbook • Points of view in a short story: Her first ball (Reading Questions 1 to 3) • An unforgettable character - Lalla: Writing an interview • Interview Writing
Unit 2: Chapter 4 - All the world's a stage	<ul style="list-style-type: none"> • Exploring the writer's craft (Workbook) • Using English: proverbs and cliches (Workbook) • Noh and Kabuki theatre • Report Writing: Newspaper and organisational reports • Writer's effect
Unit 3: Chapter 5 - Family and Friends	<ul style="list-style-type: none"> • Writing a summary: Families in Ancient Egypt (Question 3) • Family history: Question 1 (Workbook) • Persuasive Writing (Speech)- Teacher's choice • Descriptive Writing- Teacher's choice • Descriptive Writing- Past paper • Reading - Extended (question 3): The Matchmaker • Comprehension practice sheet • Letter writing- Informal • Letter writing- Formal • Writer's effect • Narrative Writing
Revision	<ul style="list-style-type: none"> • Past papers

Term 2	
UNITS	SUB-UNITS
Unit 4: Chapter 6 - Living in a material world	<ul style="list-style-type: none"> • Writer's effect • Summary writing • Wealth - The Great Gatsby: (Reading Question 1 and 2 Wealth - The Great Gatsby: Reading Extended (Question 3) • Reading: The Devastating Costs of the Amazon Gold Rush (Reading - Question 2 - Journal writing) • Writing a persuasive speech - Based on the Chapter • Practicing Reading Comprehension (Workbook) • Practising directed writing (Workbook)
Unit 5: Chapter 7 - Believe it or not	<ul style="list-style-type: none"> • News report Writing: Europeanews, Writing a news report for the popular press and Reading skills - News reports and articles • The writer's craft - content, style and • diction: Legendary monsters Mokele-Mbembe- Article Writing • On Yeti Tracks - Reading (Question 1 to 4) • Diary/ Journal Writing - Based on the Chapter (On Yeti Tracks - Reading (Question 5)) • Comprehension Practice sheet • Descriptive Writing • Writing Narrative: Shadow mancer • Narrative writing • Persuasive Writing • Developing Language appreciation: A poet's choice of words

<p>Unit 6: Chapter 8 - World Famous</p>	<ul style="list-style-type: none"> • What makes Madame Tussauds' wax work? Reading Questions 3 and 4 • Descriptive writing: A Fight With A Lion • Description in fiction: The Dragon of Pendor • Descriptive Writing • Lord of the Flies - The writer's craft: The Sound of the Shell • The writer's craft: Gift of the darkness • Writer's effect • Preparing for Reading Passages [Workbook] - Is Mont Blanc the World's most dangerous mountain? Thinking of Ski-touring Mont Blanc? Think carefully! • Comprehension Practice sheet
<p>Revision</p>	<ul style="list-style-type: none"> • Summary Writing • Directed Writing • Writer's Effect • Narrative Writing • Descriptive Writing • Past Papers

GRADE: 9

ENVIRONMENTAL MANAGEMENT

Cambridge IGCSE and O level Environmental management Coursebook

Gary Skinner, Ken Crafer, Melissa Turner, Ann Skinner and John Stacey

Term 1	
ENVIRONMENTAL MANAGEMENT	
UNITS	SUB-UNITS
3. Agriculture and the Environment	3.1 Soil Composition 3.2 Soils for Plant Growth 3.3 Agriculture Types 3.4 Increasing Agricultural Yields 3.5 Impact of Agriculture 3.6 Causes and Impacts of Soil Erosion 3.7 Managing Soil Erosion 3.8 Sustainable Agriculture Case Study: Study an example where agriculture has had severe environmental consequences including soil erosion and strategies for the conservation of the soil.
4. Water and its Management	4.1 Global Water Distribution 4.2 The Water Cycle 4.3 Water Supply 4.4 Water Usage 4.5 Water Quality and Availability 4.6 Multipurpose Dam Projects Case Study: Study the impact of a named multipurpose dam scheme
Paper 2	Gathering Data
For TERM1 assessment (portion covered in Pre-IG included)	

Term 2	
UNITS	SUB-UNITS
4. Water and its Management	4.7 Water Pollution and its sources 4.8 Impact of Water Pollution 4.9 Managing pollution of fresh water 4.10 Managing Water-Related Disease Case Study: <ul style="list-style-type: none"> Study the causes, impact and management of pollution in a named body of water.
5. Oceans and Fisheries	5.1 Oceans as a Resource 5.2 World Fisheries 5.3 Impact of exploitation of the oceans 5.4 Management of the harvesting of marine species Case Study: <ul style="list-style-type: none"> Study the resource potential, exploitation, impact and management of a marine fishery. Study an example of farming of marine species, including the source of food, pollution from waste and impact on the natural habitat.
7. The Atmosphere and Human Activities	7.1 The atmosphere 7.2 Atmospheric pollution and its causes 7.3 Impact of atmospheric pollution 7.4 Managing atmospheric pollution Case Study: <ul style="list-style-type: none"> Study the causes, impact and management of a specific example of atmospheric pollution.
For TERM 2 assessment (portion covered in Pre-IG and Grade 9 Term1 included)	

GRADE: 9

FRENCH

Book: Tricolore Total 4 - By Heather Mascie -Taylor , Michael Spencer , Sylvia Honnor

Term 1	
FRENCH	
UNITS	SUB-UNITS
UNIT 1 – Jeunes sans frontières	<ul style="list-style-type: none"> • Textual exercises • Listening exercises • Comprehension • Role play • Grammar revision • General questions • Essay: Mon jour favori
UNIT 2 – En ville et à la campagne	<ul style="list-style-type: none"> • Textual exercises • Listening exercises • General questions • Grammar revision • Comprehension • Role play • Essay : La ville ou la campagne
UNIT 3 – Bon séjour	<ul style="list-style-type: none"> • Textual exercises • Listening exercises • Comprehension • General questions
UNIT 4 – Une semaine typique	<ul style="list-style-type: none"> • Listening exercises • Textual exercises • Essay • Futur proche tense • Comprehension • Essay • Role play • General questions
UNIT 5 – Bon Appétit	<ul style="list-style-type: none"> • Textual exercises • Listening exercises • Role play • Comprehension • Essay

UNIT 6 – Ça m'intéresse	<ul style="list-style-type: none"> • Listening exercises
Tricolore 1, 2, 3 for Term 1 Assessment	
<ul style="list-style-type: none"> • Term 2 	
UNITS	▪ SUB-UNITS
UNIT 6 – Ça m'intéresse	<ul style="list-style-type: none"> • Comprehension • Textual exercises • General questions • Role play • Essay
UNIT 7 – Nouveaux horizons	<ul style="list-style-type: none"> • Textual exercises • Listening exercises • Role play • Comprehension • Essay
UNIT 8 – À votre santé	<ul style="list-style-type: none"> • Textual exercises • Listening exercises • Role play • Essay • Grammar revision
Tricolore 1, 2, 3 for term 2 assessment	

GRADE: 9

CAMBRIDGE FRENCH (VADODARA)

Term 1	
CAMBRIDGE FRENCH	
UNITS	SUB-UNITS
Unite 1- De jeunes francophones	<ul style="list-style-type: none"> • Salut a tous! • Ici on parle francais • En ligne • La vie de famille • J'ai de bons amis • La vie des jeunes
Unite 2 - Bienvenue à Paris!	<ul style="list-style-type: none"> • Decouvrir paris • Paris Jeunesse • A bientôt • Pendant les vacances • Ca bouge ! • Une visite recente
unite 3- Ça me passionne	<ul style="list-style-type: none"> • Ca t'interesse • C'etait comme ca • Ca change • Et maintenant • Vu et Lu • Ils etaient celebres
Unite 4 - Notre Monde	<ul style="list-style-type: none"> • Bonjour Quebec • Ma ville, ma region • On doit faire ca ! • Ca nous concerne • Chacun doit faire sa part
Unite 5 - Au travail	<ul style="list-style-type: none"> • La vie scolaire • Quelles matieres aimes-tu ? • Il y a beaucoup de métiers • C'est quand ? • Au parc du Futuroscope • On fait des projets • A l'hotel

Unit 6 - Au parc d'attractions	<ul style="list-style-type: none"> • Au parc du Futuroscope • On fait des projets • A l'hotel • On pense a l'avenir • Voici la meteo • On s'est bien amuses
Unite 7 - En forme	<ul style="list-style-type: none"> • Un peu d'exercises • Manger equilibre • Qu'est-ce qui s'est passe ? • Qu'est-ce qui ne va pas / • A toi la parole !
Unite 8 - Vive les vacances	<ul style="list-style-type: none"> • Des vacances actives • Des vacances a l'etranger • On part enfin ! • A toi la parole ! • Au choix
Term 2	
UNITS	SUB-UNITS
Unite 1- Jeunes sans frontiere	<ul style="list-style-type: none"> • Je me presente • Un stage international • Copains, copines • La vie de famille • La vie de tous les jours • Ca se fete ! • On se connecte • Controle oral • Controle ecrit • Au choix
Unite 2- En ville et à la campagne	<ul style="list-style-type: none"> • La France- destination touristique • En ville • Allez- y ! • Les transports en ville • Ca ne me dit rien • Ville ou campagne ? • Qu'est-ce que on a fait ? • Controle oral • Controle ecrit • Au choix

Unite 3 Bon sejour	<ul style="list-style-type: none"> • Des projets • Si on a le temps . • Bienvenue chez nous • Tu as fait bon voyage ? • Chez moi • Aider a la maison • Je me suis bien amuse(e) • Tout s'est bien passe • Controle oral • Controle ecrit
Unite 4 - Une semaine typique	<ul style="list-style-type: none"> • La vie scolaire • Une journee scolaire • Au college • On parle du college • Avant, c'etait different • Vous faites quelle taille ? • La mode c'est important? • Qui etaient -ils ? • Controle oral et ecrit
Unite-5 - Bon Appétit	<ul style="list-style-type: none"> • Des repas • Vous mangez bien ? • Il faut manger pour vivre • On fait des achats • Au café • On mange vite • Au restaurant • Je viens de • Controle oral et ecrit
Unite 6- Ça m'intéresse	<ul style="list-style-type: none"> • Enquete- loisirs • Bien entendu! • Vive le sport! • On regarde la tele • Vous aimez la lecture ? • Qu'est-ce que on fait ? • Si on allait au cinema ? • Qu'as-tu fait ? • Controle oral et ecrit

Unite 7- Nouveaux horizons	<ul style="list-style-type: none">• A propos des vacances• Des vacances a l'etranger• Ce que je voudrais faire• A l'hotel• En vacances• Des vacances actives• Et maintenant .la meteo• On s'amuse... ou pas ?• Souvenirs de vacances• Controle oral et ecrit
Unite 8 A votre sante	<ul style="list-style-type: none">• Votre sante en vacances• A la pharmacie• Le corps humain• En faisant du sport• Il ya eu un accident• Ca fait mal• C'est dur d'etre ado• Le tabac, l'alcool, la drogue• Forme et santé

GRADE: 9

HINDI

Gyanganga - 9 Harmeet Kaur Sarswati Publication

Term 1 and 2	
HINDI	
UNITS	SUB-UNITS
Unit 1- <u>पाठ-कान्हा, आकलन, निबंध, श्रुतभाव</u> <u>ग्रहण, सार-</u> <u>लेखन, वाक्यांश, ई-मेल-लेखन,</u> <u>पत्रलेखन (औपचारिक), मुहावरे, संवाद-</u> <u>लेखन, पठन</u>	<ul style="list-style-type: none"> • कठिन शब्दार्थ सहित स्पष्टीकरण तथा प्रश्नोत्तर (अपठित गद्यांश) कान्हा • आकलन • निबंध लेखन • श्रुतभाव ग्रहण • वाक्यांश के लिए एक शब्द • ई-मेल-लेखन • पत्रलेखन (औपचारिक) • अर्थ समझाकर वाक्यों में प्रयोग सिखाना • संवाद-लेखन
Unit 2 <u>अपठित गद्यांश, डायरी-लेखन, पर्यायवाचीशब्द,</u> <u>चित्रवर्णन, ई-मेल - लेखन</u> <u>आकलन, ,</u> <u>पाठ-चीन की दीवार, निबंध, विलोम, सार-</u> <u>लेखन, पठन, श्रुतभाव ग्रहण</u>	<ul style="list-style-type: none"> • अपठित गद्यांश पठन व प्रश्नोत्तर • डायरी-लेखन • चित्र को देखकर वर्णन • पुनरावृत्ति • ई-मेल-लेखन • आकलन, • चीन की दीवार- अपठित गद्यांश • निबंध लेखन • विलोम शब्द • सार- लेखन
Unit 3 <u>प्रतिवेदन, मुहावरे, पत्र लेखन (अनौपचारिक,</u> <u>श्रुतभाव ग्रहण, अपठित गद्यांश</u> <u>(पाठ-चलचित्र), सार-लेखन, आकलन, अपठित</u> <u>गद्यांश, निबंध लेखन</u> <u>डायरी-लेखन, ई-मेल-लेखन</u>	<ul style="list-style-type: none"> • प्रतिवेदन-लेखन • अर्थ समझाकर वाक्यों में प्रयोग सिखाना • पत्रलेखन (अनौपचारिक) • श्रुतभाव ग्रहण • पुनरावृत्ति • अपठित गद्यांश पठन व प्रश्नोत्तर (पाठ-चलचित्र)

	<ul style="list-style-type: none"> • सार- लेखन • पत्रलेखन(औपचारिक) • आकलन • परियोजना कार्य • अपठित गद्यांश पठन व प्रश्नोत्तर
Unit 4 पाठ-दीपावली, डायरी-लेखन, निबंध ई-मेल-लेखन,	<ul style="list-style-type: none"> • पाठ- दीपावली • डायरी- लेखन • निबंध लेखन • ई-मेल-लेखन • पुनरावृत्ति
Unit 5 किरण बेदी सार-लेखन अपठित गद्यांश पठन	<ul style="list-style-type: none"> • किरण बेदी-अपठित गद्यांश • सार-लेखन • अपठित गद्यांश पठन व प्रश्नोत्तर पाठ-वर्गों की
Unit 6 पाठ- प्रदूषण (अपठित गद्यांश पाठ-रतन नवल टाटा), निबंध, सार- लेखन, डायरी-लेखन, ई-मेल-लेखन, भाषण-लेखन, पत्रलेखन (औपचारिक), आकलन	<ul style="list-style-type: none"> • कठिन शब्दार्थ सहित स्पष्टीकरण तथा प्रश्नोत्तर • (अपठित गद्यांश) पाठ-प्रदूषण • अपठित गद्यांश पठन व प्रश्नोत्तर (पाठ - रतन नवल टाटा) • निबंध लेखन • सार-लेखन • डायरी लेखन • ई-मेल-लेखन • भाषण- लेखन
Unit 7 श्रुतभाव ग्रहण अपठित गद्यांश (पाठ-मानसिक तनाव) साक्षात्कार-लेखन, पत्रलेखन(अनौपचारिक) व्याकरण अभ्यास, प्रतिवेदन लिखवाना, अपठित गद्यांश पठन व प्रश्नोत्तर	<ul style="list-style-type: none"> • श्रुतभाव ग्रहण • अपठित गद्यांश पठन व प्रश्नोत्तर (पाठ - मानसिक तनाव) • साक्षात्कार- लेखन • पत्रलेखन (अनौपचारिक) • व्याकरण अभ्यास • पठन

<p><u>पाठ- इंटरनेट</u> <u>विलोम शब्द पुनरावृत्ति, अपठित गद्यांश,</u> <u>पठन</u> <u>व प्रश्नोत्तर ,पाठ-सकारात्मक सोच</u></p>	<ul style="list-style-type: none"> • <u>प्रतिवेदन लिखवाना</u> • <u>अपठित गद्यांश पठन व प्रश्नोत्तर पाठ इंटरनेट</u> • <u>विलोम शब्द</u> • <u>पुनरावृत्ति</u> • <u>अपठित गद्यांश पठन व प्रश्नोत्तर पाठ-सकारात्मक सोच</u>
<p>Unit 8 <u>संवाद- लेखन, श्रुतभाव ग्रहण,</u> <u>सार-लेखन, ई-मेल-लेखन</u></p>	<ul style="list-style-type: none"> • <u>संवाद लेखन</u> • <u>श्रुतभाव ग्रहण</u> • <u>सार-लेखन</u> • <u>परिकलन</u> • <u>ई-मेल-लेखन</u>
<p>Unit 9 <u>चित्र वर्णन, पाठ-लोहडी, मुहावरे,</u> <u>डायरी- लेखन,</u> <u>साक्षात्कार-लेखन, पर्यायवाची शब्द,</u> <u>अपठित गद्यांश, निबंध, आकलन,</u> <u>वाक्यांश, प्रतिवेदन</u></p>	<ul style="list-style-type: none"> • <u>चित्र को देखकर वर्णन करना</u> • <u>कठिन शब्दार्थ सहित स्पष्टीकरण तथा</u> • <u>प्रश्नोत्तर(अपठित गद्यांश)पाठ-लोहडी</u> • <u>अर्थ समझाकर वाक्यों में प्रयोग सिखाना</u> • <u>डायरी लेखन</u> • <u>पुनरावृत्ति</u>
<p>Unit 10 <u>ई-मेल- लेखन, भाषण-लेखन,</u> <u>सार लेखन, अपठित गद्यांश पाठ-अच्छा</u> <u>स्वास्थ्य, आकलन</u></p>	<ul style="list-style-type: none"> • <u>ई-मेल-लेखन</u> • <u>भाषण-लेखन</u> • <u>सार-लेखन</u> • <u>पुनरावृत्ति</u> • <u>सार- लेखन</u> • <u>अपठित गद्यांश पठन व प्रश्नोत्तर-अच्छा स्वास्थ्य</u> • <u>आकलन</u>

GRADE: 9

ICT

Textbook: (Cambridge IGCSE) - Graham Brown, Brian Sargent, David Watson

Hodder Education - Second Edition

Term 1	
ICT	
UNITS	SUB-UNITS
Chapter 21- Website authoring	<ul style="list-style-type: none"> • Web development layers • Create a webpage • Use style sheets
Chapter 5 – Effects of Using IT	<ul style="list-style-type: none"> • Microprocessor-controlled devices • Potential health problems related to the prolonged use of ICT equipment
chapter 8-Safety and security	<ul style="list-style-type: none"> • Physical safety • E-safety • Security of data
Chapter 7- The systems life cycle	<ul style="list-style-type: none"> • Analysis • Design • Development and Testing • Implementation • Documentation • Evaluation
Chapter 15-Proofing	<ul style="list-style-type: none"> • Software Tools • Proofing Techniques
For TERM 1 assessment (portion covered in PRE-IG included)	
Term 2	
UNITS	SUB-UNITS
Chapter 4-Networks and the effects of using them	<ul style="list-style-type: none"> • Networks • Network Issues And Communication

Chapter 18- Databases	<ul style="list-style-type: none"> • Create a Database Structure • Manipulate Data • Present Data
Chapter 6- ICT applications	<ul style="list-style-type: none"> • Communication • Modelling Applications • Computer Controlled Systems • School Management Systems • Booking Systems • Banking Applications • Computers in Medicine • Expert Systems • Computers in the Retail Industry • Recognition Systems • Satellite Systems
For TERM2 assessment (portion covered in Pre-IG and Grade 9 Term1)	

GRADE: 9

MATHEMATICS

Text Book Name: Cambridge Mathematics Core and Extended Coursebook (Second Edition)

Author: Karen Morrison and Nick Hamshaw

Publication: Cambridge University Press

Term 1	
MATHEMATICS	
UNITS	SUB-UNITS
Unit 10: STRAIGHT LINES AND QUADRATIC EQUATIONS	<ul style="list-style-type: none"> • Straight lines • Quadratic (and other) equations
Unit 11: PYTHAGORAS THEOREM AND SIMILAR SHAPES	<ul style="list-style-type: none"> • Pythagoras theorem • Understanding similar triangles • Understanding Similar shapes • Understanding Congruence
Unit 12: AVERAGES AND MEASURES OF SPREAD	<ul style="list-style-type: none"> • Different types of averages • Making comparisons using averages and ranges • Calculating averages and ranges for frequency data • Calculating averages and ranges for grouped continuous data • Percentiles and quartiles • Box-and-whisker plots
Unit 13 : UNDERSTANDING MEASUREMENT	<ul style="list-style-type: none"> • Understanding units • Time • Upper and lower bounds • Conversion graphs • More Money
Unit 14 : FURTHER SOLVING OF EQUATIONS AND INEQUALITIES	<ul style="list-style-type: none"> • Simultaneous linear equations • Linear inequalities • Regions in a plane • Linear Programming • Completing the square • Quadratic formula • Factorizing quadratics where the coefficient of x^2 is not 1 • Algebraic fractions

Unit 15 : SCALE DRAWINGS, BEARINGS AND TRIGONOMETRY	<ul style="list-style-type: none"> • Scale drawings • Bearings • Understanding the tangent, cosine and sine ratios • Solving problems using trigonometry Sines, cosines and tangents of angles more than 90° • The sine and cosine rules • Area of a triangle • Trigonometry in three dimensions
For Term 1 assessment (Portion covered in Pre-IG included)	
Term 2	
UNITS	SUB-UNITS
Unit 16: SCATTER DIAGRAMS AND CORRELATIONS	<ul style="list-style-type: none"> • Introduction to bivariate data
Unit 17: MANAGING MONEY	<ul style="list-style-type: none"> • Earning Money • Borrowing and Investing Money • Buying and Selling
Unit 18: CURVED GRAPHS	<ul style="list-style-type: none"> • Drawing quadratic graphs (the parabola) • Drawing reciprocal graph (the hyperbola) • Using graphs to solve quadratic equations • Using graphs to solve simultaneous linear and non-linear equations • Other non-linear graphs • Finding the gradient of a curve • Derived functions
Unit 19: SYMMETRY	<ul style="list-style-type: none"> • Symmetry in two dimensions • Symmetry in three dimensions • Symmetry properties of circles • Angle relationships in circles
Unit 20: HISTOGRAMS FREQUENCY DISTRIBUTION DIAGRAMS	<ul style="list-style-type: none"> • Histograms • Cumulative frequency

Unit 21: RATIO, RATE AND PROPORTION	<ul style="list-style-type: none"> • Working with ratio • Ratio and scale • Rates • Kinematics graphs • Proportions • Direct and inverse proportion in algebraic terms • Increasing and decreasing amounts by a given ratio
Portion covered in Pre-IG and Grade-9 Term 1 for TERM 2 assessment	

GRADE: 9

PHYSICS

Text Book Name: Complete Physics for Cambridge IGCSE

Author: Stephen Pople

Publication: Oxford

Term 1	
PHYSICS	
UNITS	SUB-UNITS
Unit 4: Forces and Energy	<ul style="list-style-type: none"> • Work and energy • Energy transformation • Calculating PE and KE • Efficiency and power • Energy for electricity (1) • Energy for electricity (2) • Energy resources • How the world gets its energy
Unit 5 : Thermal Effects	<ul style="list-style-type: none"> • Moving particles • Temperature • Expanding solids and liquids • Heating gases • Thermal conduction • Convection • Thermal radiation • Liquids and vapours • Specific heat capacity • Latent Heat
Unit 6 : Waves and Sounds	<ul style="list-style-type: none"> • Transverse and Longitudinal Waves • Wave effects • Sound Waves • Speed of sound and echoes • Characteristics of sound waves • Ultrasound
For TERM 1 assessment (portion covered in PRE-IG included)	

Term 2	
UNITS	SUB-UNITS
Unit 7 : Rays and Waves	<ul style="list-style-type: none"> • Light rays and waves • Reflection in plane mirrors1 • Reflection in plane mirrors2 • Refraction of light • Total Internal Reflection • Refraction calculations • Lenses 1 • Lenses 2 • More lenses in action • Electromagnetic waves1 • Electromagnetic waves2 • Sending signals
Unit 8 : Electricity	<ul style="list-style-type: none"> • Electric Charge 1 • Electric Charge 2 • Electric fields • Current in a simple circuit • Potential difference • Resistance 1 • Resistance 2 • More about resistance factors • Series and parallel circuits1 • Series and parallel circuits2 • More on components • Electrical energy and power • Living with electricity
Unit 9 : Magnets and Currents	<ul style="list-style-type: none"> • Magnets • Magnetic fields • Magnetic effects of a current • Electromagnets • Magnetic force on a current • Electric motors • Electromagnetic induction • More about induced current • Generators • Coils and transformers (1) • Coils and transformers (2) • Power across the country
For term 2 assessment (portion covered in Pre-IG and Grade 9 Term 1 included)	