

DPS STS SCHOOL DHAKA
SESSION 2023-24
GRADE 9
Mid Term SYLLABUS

| SUBJECT | TERM 1 |
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| | JULY TO DECEMBER |
| ENGLISH | <p>Book - Cambridge IGCSE First Language English By Marian Cox (Practice book), Cambridge IGCSE First Language English By Marian Cox (Coursebook)</p> <p>Unit 1- Rocket Science (Language: parts of speech, passive voice, prefixes and quantifiers, Writing: News report)</p> <p>Unit 2- Bear Essentials (Language: Writer's effects, prefixes, parentheses, commas and hyphens Writing: Article, Informal letter)</p> <p>Unit 3 - Simply flying (Language: Spelling, prefixes, dashes and hyphens Writing: Interview)</p> <p>Unit 4 - On the ball (Language: Spelling, Parts of speech, prefixes, apostrophes, semi-colons)</p> <p>Unit 5 - Great Rivers (Language: Fact V. opinion, Writer's effects, parts of speech, complex sentence structure, commas)</p> <p>Unit 6 - Elephant tales (Language: prefixes, synonyms, dialogue)</p> <p>Components to be covered: Reading Comprehension Summary Writing Writer's effects Response Writing Directed Writing Composition Writing</p> |
| BANGLA | <ol style="list-style-type: none"> 1. Separation and combination of words(Shwara Shondhi), 2. Idioms & Proverbs, 3. Sentence Transformation, 4. Close passage, 5. OE Comprehension, 6. M.C.Q.Comprehension, 7. Letter Writing, 8. Essay writing, |
| GENERAL MATHS | <ul style="list-style-type: none"> •Numbers •Set language and notations •Algebra •Geometry •Coordinate geometry |
| ADDITIONAL MATHS | <p>Ch 2.Simultaneous equations and quadratics Ch 4 Factors and polynomials Ch 6 Logarithmic and exponential functions Ch 5 Solving Modulus Equations</p> |

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| CHEMISTRY | Unit 1: Particle theory Unit 2: Separating substances Unit 3: Atoms, elements & compounds Unit 4: Structure & bonding Unit 5: Formulae & equation Unit 6: Chemical calculations Unit 7: Electricity & chemistry |
| PHYSICS | 1 Motion, forces and energy 1.1 Physical quantities and measurement techniques 1.2 Motion 1.3 Mass and weight 1.4 Density 1.5 Forces 1.6 Momentum 1.7 Energy, work and power 1.8 Pressure |
| BIOLOGY | 1 Characteristics and classification of living organisms 2 Organisation of the organism 3 Movement into and out of cells 4 Biological molecules 5 Enzymes 6 Plant nutrition |
| ACCOUNTING | 1 Introduction to accounting 2 Double entry book-keeping – Part A 3 The trial balance 4 Double entry book-keeping – Part B 5 Petty cash books 6 Business documents 7 Books of prime entry 8 Financial statements – Part A, 9 Financial statements – Part B 11 Other payables and other receivables, 13 Irrecoverable debts and provisions for doubtful debts, |
| BUSINESS STUDIES | Chapter 1: Business activity Chapter 2: Classification of businesses Chapter 3: Enterprise, business growth and size Chapter 4: Types of business organization Chapter 5: Business objectives and stakeholder objectives Chapter 6: Motivating employees Chapter 7: Organization and management Chapter 8: Recruitment, selection and training of employees Chapter 9: Internal and external communication Chapter 10: Marketing, competition and the customer |

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| <p>Commerce</p> | <p>Chapter 1: Chain of Production Chapter 2: Specialisation and Division of Labour Chapter 3: Commerce Chapter 4: Relationship Between Industry, Commerce and Direct Services Chapter 5: Role of Retailer in the Chain of Distribution Chapter 6: Types of Retailer Chapter 7: Large-scale and Small-Scale Retailing Chapter 8: Selling Techniques and Methods and the Implications of e-Commerce Chapter 9: Trends in Retailing Chapter 10: Use of Credit Chapter 11: Types of Credit Chapter 12: Role of the Wholesaler in the Chain of Distribution Chapter 13: Functions and Services of the Wholesaler</p> |
| <p>ECONOMICS</p> | <p>Chapter 1: The nature of the economic problem Chapter 2: Factors of production Chapter 3: Opportunity cost Chapter 4: Production possibility curves Chapter 5: Microeconomics and macroeconomics Chapter 6: The role of markets in allocating resources Chapter 7: Demand Chapter 8: Supply Chapter 9: Price determination Chapter 10: Price changes Chapter 11: Price elasticity of demand Chapter 12: Price elasticity of supply Chapter 13: Market economic system Chapter 14: Market failure Chapter 15: Mixed economic system Chapter 16: Money and banking</p> |
| <p>COMPUTER SCIENCE</p> | <p>PAPER 1 1 DATA REPRESENTATION 2 DATA TRANSMISSION 3 HARDWARE 3.1 computer architecture</p> <p>PAPER 2 1 ALGORITHM DESIGN & PROBLEM-SOLVING ★ the stages in the program development cycle: ★ computer systems and sub-systems ★ problem decomposition into component parts ★ standard methods of solution: – totalling – counting – finding average, maximum, minimum ★ validation checks when data is input ★ verification checks when data is input ★ use of different types of test data including: – documentation of a dry run using a trace table ★ writing, amending, identifying, and correcting errors in: – flowcharts – programs – pseudocode.</p> |

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| ENVIRONMENT MANAGMENT | <p>1 Rocks and minerals and their exploitation 2 Energy and the environment 3 Agriculture and the environment 4 Water and its management</p> |
| French | <p>Unité 1 Mon quotidien : Une journée typique entre maison et collège Les activités quotidiennes et les horaires Les tâches ménagères et les petits boulots Les moyens de transports Le collège: matières, horaires et vie scolaire</p> <p>Unité 2 La pleine forme Les aliments, La santé Manger equilibre Les cafés, les restaurants Les plats traditionnels Les problemes de sante Les conseils de santé</p> <p>Unité 3 Une famille aa l'étranger Un séjour dans une famille francophone La famille La maison Les premiers contacts Les lieux et activités de loisirs Accepter ou refuser une invitation Acheter des billets Commander un repas</p> |
| BANGLADESH STUDIES | <p>Paper: 1 Chapter :3(b) Reasons for the decline of the Mughal empire Chapter :3(c) The decline of the Mughals in Bengal and the growth of the Nawabs Chapter :4(a) The arrival of the British Chapter :4(b) Opposition to the British (Up to Faraizi Movement)</p> <p>Paper: 2 Chapter :4(c) Floods Chapter :5(a): Changing Shares of primary, secondary and tertiary Chapter :6(a): Factors affecting agricultural production Chapter :6(b): Food crops /Subsistence crops Chapter :6(c): Cash crops /Commercial crops</p> <ul style="list-style-type: none"> • Earthquake |