Wordbridge School

Playgroup to A Level

Syllabus for Half Yearly Examination
Session: 2022-2023
Class: IX

SL.	Subjects	Teachers	Syllabus
1.	**English Language**	Khandekar Anis Reza	**Paper 1**: Directed Writing: # 1. Article; 2. Letter Composition: Narrative, Descriptive. **Paper 2:** Reading Comprehension: Reading for Meaning, Reading for Ideas
2.	**Bangla**	Quazi Nazneen	**Paper – 1: Sec-A :** সংলাপ, প্রতিবেদনঃ পরীক্ষা বিষয়ক, যানজট, খেলাধুলা। From question paper 2010 - 2013 Sec-B : রচনাঃ From question paper 2012 - 2014: 02 topics = each year. **Paper – 2** সন্ধি, বাগধারা, বাক্য রূপান্তর, বদ্ধ অনুচ্ছেদ, বোধজ্ঞানের বহুবিকল্প প্রশ্ন, বোধজ্ঞানের মুক্ত প্রশ্ন, শব্দার্থ- A1, A2, A3, A4, B5, C6+C7 - From question paper 2012-2014 + related worksheets provided by classes only.
3.	**Additional Mathematics**	Tanvir Asghar Kabir	Circular Measures; Trigonometric Functions; Curves of Trigonometric Functions; Trigonometric Identities
4.	**Mathematics D**	Tanvir Asghar Kabir	Sets; Functions; Arithmetic Algebra; Geometry: Construction and Loci
5.	**Physics**	A.H.M Fazlul Haque	Motion, Force, Energy and Thermal physics
6.	Chemistry	Dr. Md. Mufazzal Hossain	**Paper-1** & **2:** Chapter 1: States of Matter; Chapter 2: Chemical Bonding; Chapter 3: Moles and Stoichiometry; Chapter 4: Electrolysis; Chapter 5: Chemical energetics
		Dr. Tapas Debnath	**Paper-3:** *Methods of analysis:* Acid/alkali titrations using methyl orange or phenolphthalein and mole calculation *Identification of ions and gases:* The use of aqueous sodium hydroxide and aqueous ammonia to identify the following aqueous cations: ammonium, copper(II) iron(II), iron(III), aluminium and zinc Identification of the following anions: chloride and iodide (by reaction of an aqueous solution with nitric acid and aqueous silver nitrate); sulfate (by reaction of an aqueous solution with nitric acid and aqueous barium nitrate) *Identification of ions and gases:* Tests to identify the following gases: ammonia (using damp red litmus paper); carbon dioxide (using limewater); hydrogen (using a burning splint); oxygen (using a glowing splint)
7.	**Biology**	Romana Haque	Cell; Classification; Movement into and out of cell; Biological molecules; Enzyme; Plant Nutrition; Human nutrition, Transport in flowering plant

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8.	**Accounting**	Shajedul Alam	**Chap-14:** Income statement, **Chap-15:** Statement of financial position, **Chap-17:** Capital revenue expenditure and receipts, **Chap-20:** Bad debts, allowances for doubtful debts; **Chap-21:** Depreciation; **Chap-22:** Accruals and prepayments
9.	**Economics**	Iqbal Mahmood	**The allocation of resources: how the market works; market failure:** market and mixed economic systems; demand and supply analysis; Price elasticity; relationship between price elasticity of demand and total revenue, consumer expenditure, taxation, etc.; market failure; social and private costs and benefits **The individual as producer, consumer and borrower:** barter and problems of barter; functions of money; exchange; central banks, stock exchanges and commercial banks; labour market; motives for spending, saving and borrowing. **The private firm as producer and employer:** types and sizes of business organization; demand for factors of production.
10.	**Business Studies**	Dr. Mohitur Rahman	**Section 1: Understanding business activity:** 1. Business activity; 2. Classification of business; 3. Enterprise, business growth and size, 4. Types of business organization; 5. Business objectives and stakeholder objectives; Case study **Section 2: People in business:** 6. Motivating employees; 7. Organisation and management; 8. Recruitment, selection and training of employees; 9. Internal and external communication; Case study
11.	**Computer Science**	Md. Masudul Hoque	**Paper – 1: Chap – 2** Data transmission (cont…); **Chap-3 :** Hardware **Paper – 2** **Chap – 7 : Algorithm design and problem – solving (cont…):** Flowchart; Pseudocode (Selection statements); Trace tables to document dry runs of algorithms; Using Types of Test data **Chap – 8: Programming (cont…):** Programming concepts: Iteration(Loop structures); Coding in Python **Chap-10: Boolean Logic:** Standard logic gates: NOT, AND, OR, NAND, NOR and XOR; Create logic circuits; Write a logic expression; **C**omplete truth tables **Chap-11:** Database