



BANGLADESH SCHOOL MUSCAT
YEARLY SYLLABUS – AY (2026–27)
CLASS: VIII SCIENCE

SUBJECTS
BANGLA
OMANI DIALECT
ENGLISH (MODULAR)
MATHEMATICS (MODULAR)
HUMAN BIOLOGY
COMPUTER SCIENCE
FURTHER PURE MATH
PHYSICS (MODULAR)
CHEMISTRY (MODULAR)
BIOLOGY (MODULAR)

Grade : VIII		Subject: Bangla	
পাঠ্য বই	প্রথম সাময়িক	দ্বিতীয় সাময়িক	তৃতীয় সাময়িক
আনন্দ পাঠ	কাকতাড়ুয়া	হেমাপ্যাথি, এ্যালোপ্যাথি	কাবুলের শেষ প্রহর
সাহিত্য কণিকা (গদ্য)	ক) অতিথির স্মৃতি খ) সুখী মানুষ (নাটক)	ক) তৈলচিত্রের ভূত খ) বাংলা নববর্ষ	ক) পড়ে পাওয়া খ) গণঅভ্যুত্থানের কথা
সাহিত্য কণিকা (পদ্য)	ক) পাছে লোকে কিছু বলে খ) নারী	ক) রূপাই খ) বাবরের মহত্ব	ক) প্রার্থনা খ) নদীর স্বপ্ন
বাংলা ব্যাকরণ ও নির্মিতি	ক) সাধু ও চলিত রীতির পার্থক্য খ) প্রবাদ ও প্রবচন গ) অনুবাদ (অনুচ্ছেদ) ঘ) পরিভাষা ঙ) প্রবন্ধ রচনা চ) বোধ পরীক্ষণ ছ) অনুচ্ছেদ রচনা জ) বানান রীতি	ক) বিপরীতার্থক শব্দ প্রয়োগ, বাক্য গঠন খ) অনুচ্ছেদ রচনা গ) অনুবাদ (অনুচ্ছেদ) ঘ) পরিভাষা ঙ) বিরাম চিহ্ন চ) ই-মেইল ছ) বোধ পরীক্ষণ	ক) বানান রীতি খ) বাগধারা (Idioms) গ) অনুবাদ (অনুচ্ছেদ) ঘ) পরিভাষা ঙ) ই-মেইল চ) অনুচ্ছেদ ছ) বোধ পরীক্ষণ
মান বণ্টন	১ম সাময়িক ১ম সাময়িক সমাপনী পরীক্ষা ৮০ ধারাবাহিক মূল্যায়ন ২০	২য় সাময়িক ২য় সাময়িক সমাপনী পরীক্ষা ৮০ ধারাবাহিক মূল্যায়ন ২০	৩য় সাময়িক ৩য় সাময়িক সমাপনী পরীক্ষা ৮০ ধারাবাহিক মূল্যায়ন ২০
	মোট ১০০	মোট ১০০	মোট ১০০

➤ প্রয়োজনে পাঠ্যসূচী পরিবর্তন ও পরিবর্ধন সাপেক্ষ।

Grade: VIII		Subject: Omani Dialect	
Name of the books	Term 1	Term 2	Term 3
Omani Dialect (Non-Native Speakers)	Greetings & Self-Introduction - Greetings and responses - Self-introduction, asking someone's name. - Asking about wellbeing and responding. - Common daily reaction words: واجد / زين / تو - Pair dialogue: meeting someone new.	Daily Life & Opinions - Favourite foods and ordering politely - After-school activities and hobbies. - Expressing opinions: I like / I don't like / amazing. - Common reaction expressions in real situations - Free pair conversation.	Getting Around in Oman - Asking for directions and key locations - Shopping, prices, and simple bargaining - Asking for help in unexpected situations - Combining all three terms in open dialogue - Full real-life conversation.
Distribution of marks	Not Graded		

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Grade: VIII		Subject: English	
Name of the books	Term 1	Term 2	Term 3
1. Anthology- Specification A (4WEA1) MODULAR 2. Pearson- Inspire English: 9 • Student Book • Workbook (pages linked to the units of the Student Book) 3. Grammar and figures of speech	- Chinese Cinderella (Non-Fiction) - An Unknown Girl (Fiction) - Out, Out- (Fiction) Unit 1: Mysteries Unit 2: Growing Up Topics: Summarizing, p. 10- 13. Responding to information, p. 14- 17. Comparing texts, p. 44, 45. Assessment, p. 48, 49. Structuring a text, p. 56- 59. Arguing, persuading and advising, p. 70- 73. - Parts of speech and selections from Inspire English. - Various figures of speech (pertinent to the level) <u>Writing to Argue, Persuade, Advise</u> Transactional Writing: argumentative essay/ text of a speech.	- The Explorer's Daughter (Non-Fiction) - From Beyond the Sky and the Earth: A Journey into Bhutan (Non-Fiction) - Disabled (Fiction) Unit- 3: People and places Unit- 4: Making history Topics: Creating a response, p. 94- 97. Assessment, p. 114, 115. Looking at language choice, p. 116-119. Choosing words carefully, p. 162- 164. - Selections from Inspire English. - Various figures of speech (pertinent to the level) <u>Writing to Entertain, Explore</u> Transactional Writing: text of a speech/newspaper or magazine article.	- Explorers or boys messing about? Either way, taxpayers get rescue bill (Non-Fiction) - A Game of Polo with a Headless Goat (Non-Fiction) - Still I Rise (Fiction) Unit- 5: Attention! Unit- 6: Being yourself Topics: Engaging the reader, p. 178- 181. Structuring sentences, p. 204- 207. Using language for information, p. 224- 227. Assessment, p. 240, 241, 258, 259. - Selections from Inspire English. - Various figures of speech (pertinent to the level) <u>Writing to Inform, Explain, Describe</u> Transactional Writing: text of a speech/ newspaper or magazine article/ formal letter.

Distribution of marks	Formative Marks- 20 First Term Exam Marks- 80 Paper 1 (2 hrs15min) Section A - Unseen Comprehension (11 marks) [AO1] - Non-Fiction (12 marks) [AO2] - comparing question (22 marks) [AO3] Section B Extended writing (35 marks) [AO4, AO5] Section C Grammar (10 marks) Total Marks: 90 (60 percentage) Paper 2 (1hr) Section A- Fiction (30 marks) Total Marks: 30 (40 percentage)	Formative Marks-20 Second Term Exam marks- 80 Paper 1 (2hrs.15min) Section A - Unseen Comprehension (11 marks) - Non-Fiction (12 marks) - comparing question (22 marks) Section B- Extended writing (35 marks) [AO4, AO5] Section C Grammar (10 marks) Total Marks: 90 (60 percentage) Paper 2 (1hr) Section A-Fiction (30 marks) Total Marks: 30 (40 percentage)	Formative Marks-20 Third Term marks- 80 Paper 1 (2hrs. 15min) Section A - Unseen Comprehension (11 marks) - No- Fiction (12 marks) - comparing question (22 marks) Section B- Extended writing (35 marks) [AO4, AO5] Section C Grammar (10 marks) Total Marks: 90 (60 percentage) Paper 2 (1hr) Section A-Fiction (30 marks) Total Marks: 30 (40 percentage)
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Grade: VIII**Subject: Mathematics**

Name of the books	Term1	Term 2	Term3
Edexcel International GCSE (9-1) Mathematics A Student Book 1	Topic 1: Number 1 Topic 2: Algebra 1 Topic 3: Graphs 1 • Gradient of a Straight Line Exercises: Ex 1, Ex 1*, Ex 2 (Q1–Q2), Ex 2* (Q1), Ex 3 (Q1) Topic 4: Shape and Space 1 Topic 5: Sets Topic 6: Number 2 Topic 7: Algebra 2 Topic 8: Graphs 2	Topic 1: Shape and Space 2 Topic 2: Handling Data 1 • Averages for Discrete Data Exercises: Ex: 3 to 4* Topic 3: Number 3 Topic 4: Algebra 3 Topic 5: Shape and Space 3 Topic 6: Handling Data 2	Topic 1: Number 4 Topic 2: Algebra 4 Topic 3: Graphs 4 Topic 4: Shape and Space 4 Topic 5: Handling Data 3 Topic 6: Number 5 Topic 7: Algebra 5 Topic 8: Graphs 5 Topic 9: Shape and Space 5 Topic 10: Handling Data 4
Distribution of Marks	Formative Assessment: 20 marks Term End Examination:80marks	Formative Assessment: 20marks Term End Examination:80marks	Formative Assessment: 20marks Term End Examination:80marks

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Grade: VIII		Subject: Human Biology	
Name of the book	Term 1	Term 2	Term 3
1. Edexcel International GCSE Human Biology Student Book(9-1) 2. IGCSE Human Biology Question Bank	Topic 1: Cells (structure to the genetic code) - Cell structures ,Chromosomes, Genes and DNA - Replication of DNA - Genetic code Topic 2: Movement of substances into and out of cells - Diffusion, osmosis, active transport - Factors affecting rate of transpiration Topic 3: Biological molecules - Structure of carbohydrates, proteins, lipids - Tests for biological substances - Enzymes, Uses of immobilized enzymes Topic 4: Nutrition and Energy - Balanced diet - Energy from food - Teeth - Human Digestive system(structure and function), BMI - Food hygiene(food preservation, methods of food preservation)	Topic 1: Cells (mutation to stem cells) - Gene mutation, Mitosis - Differentiation of cells - Stem cells. Topic 2: Respiration and gas exchange - Aerobic and anaerobic respiration, ATP - Structure of gas exchange system - Ventilation of lungs, Alveoli - Measuring breathing volume - Control of breathing rate - Lung diseases Topic 3: Bones, muscles and joints - Bone, Joints, muscles - Osteoporosis Topic 4: Cells and organelles (Revision) - Cell structures, Chromosomes, Genes and DNA - Replication of DNA - Genetic code	Topic -1: Coordination - Structure of neurons, Reflex actions - The brain, Diseases of the brain, Drugs - Glands and their function Topic 2: Sensory receptors and the eye - Stimulus, receptors, effectors - Structure and function of Human Eye - The structure and function of ear Topic 3: Microorganisms(till malaria) - Diseases and pathogenic microorganisms - Bacteria, Virus - Ebola, HIV, AIDS - Oral rehydration therapy - Cholera, Gonorrhoea, Athlete's foot, Malaria, typhoid (Transmission, treatment, prevention) Topic 4: Nutrition and energy (Revision)

Practical	1. Biochemical tests for starch , fats, proteins and reducing sugar 2. Measuring BMI	1. Parts of microscope and preparation of slide of animal ((human cheek cells) and plant (onion epidermal cells). 2. Investigate the rate of breathing.	1. Mapping the blind spot of eye. 2. Investigating stereoscopic vision
Distribution of marks	Formative Assessment -20marks Term End Exam-80marks	Formative Assessment- 20marks Term End Exam-80 marks	Formative Assessment-20marks Term End Exam-80marks

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Grade :VIII		Subject: Computer Science	
Name of the book	Term 1	Term 2	Term 3
Pearson Edexcel International GCSE(9-1) – Computer Science Student Book	Theory: Unit 1 - Problem Solving: - Understanding Algorithms - Creating Algorithms - Sorting and Searching Algorithms - Decomposition and Abstraction Practical: Unit 2 - Programming: - Develop code - Making programs easy to read - Strings Revision Project	Theory: Unit 3 – Data: - Binary - Data Representation - Data Storage and compression - Encryption Practical: Unit 2 - Programming: - Data Structures - Input/Output Revision Project	Theory: Unit 4 – Computers: - Machines and computational models - Hardware - Logic - Software - Programming languages Practical: Unit 2 - Programming: - Subprograms - Testing and Evaluation Revision Project
	Formative Assessment - 20 marks Term End Exam - 80marks	Formative Assessment -20 marks Term End Exam- 80marks	Formative Assessment-20marks Term End Exam -80 marks

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Grade: Class VIII		Subject: Further Pure Mathematics	
Name of the books	Term 1	Term 2	Term 3
IGCSE(9 - 1) Further Pure Mathematics: Student Book.	Chapter 1: • Surds – Ex 1 and Ex: 2 • Logarithmic Functions: Ex: 6 to Ex: 8 Chapter 2: • Quadratic Function and equations. Ex-1 to Ex: 4. Chapter 3: • Inequalities and Identities. Ex- 1 to Ex: 3	Chapter 3: • Inequalities and Identities. Ex- 4 to Ex: 7 Chapter 5: • Arithmetic Sequence and Series. Ex: 1 to Ex: 3. Note: (Revision: Chapter 3 Ex- 1 to Ex: 3)	Chapter 6: • The Binomial series Ex: 1 and 2 Chapter 9: • Differentiation Ex: 1 and 3 Chapter 8: • Co- ordinate Geometry.
Distribution of marks	Formative Test -20 marks Term End Exam -80 marks	Formative Test -20 marks Term End Exam -80 marks	Formative Test -20 marks Term End Exam -80 marks

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Grade: VIII		Subject: Physics	
Name of the book	Term 1	Term 2	Term 3
Edexcel International GCSE (9-1) PHYSICS – Student Book By-Brian Arnold, Penny Johnson, Steve Woolley	Forces and Motion Movement and position • Average speed • Distance – time graph • The difference between speed and velocity • Acceleration • Velocity – time graph Forces, movement, shape • Scalar and vector quantities • Types forces and the effects of forces • Resultant force • Newton’s laws of motion • Stopping, thinking and braking distance • Drag force and terminal velocity • Hooke’s law • Turning effect of a force • Principal of Moments	Waves Properties of waves • Longitudinal and transverse waves • Describing waves • Wave equation • Wave behaviour: Doppler effect Electromagnetic spectrum • Properties electromagnetic spectrum. • Explain some of the uses and dangers of electromagnetic radiations. Light waves • Reflection and Refraction • Refractive index • Total internal reflection • Uses of total internal reflection Sound • Audible range • Reflection and Refraction of sound • Pitch and frequency • Loudness	Solids, liquids and gases Density and pressure • Density • Pressure under a solid • Pressure in liquid and gases • Pressure and depth Solids, liquids and gases • The states of matter • Properties of the different states of matter • Temperature – time graph • Specific heat capacity of a substance Energy resources and energy transfer Energy transfers • Energy stores and energy transfer • Conservation of energy • Efficiency • Sankey diagrams Thermal energy • Conduction, convection and radiation • Energy - efficient houses

	Experiment - Investigate the motion of everyday objects such as toy cars or tennis balls - Investigate how extension of a spring changes with load	Experiment - Investigate the refractive index for glass - Investigate the total internal reflection - Measuring speed of sounds using	- Insulating people and animals Work and power - Energy and work - GPE and KE - Calculations using work, GPE and KE - Power Experiment - Investigate the density of solids and liquids - Investigate how well different metals conduct heat - Investigate how well different surfaces radiate heat
Distribution of marks	<u>First Term end Exam</u> Total Marks- 90 (International GCSE Pattern) Question: 100% from first term syllabus Written examination: 1 hour and 40 minutes	<u>Second Term end Exam</u> Total Marks- 90 (International GCSE Pattern) Question: 40% from first term syllabus 60% from second term syllabus Written examination: 1 hour and 40 minutes	<u>Third Term end Exam</u> Total Marks- 90 (International GCSE Pattern) Question: 25% from first term syllabus 25% from second term syllabus 50% from third term syllabus Written examination: 1 hour and 40 minutes

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Grade: VIII		Subject: Chemistry	
Name of the book	Term 1	Term 2	Term 3
Edexcel International GCSE (9-1) Chemistry Student Book by Jim Clark, Steve Owen, Rachel Yu.	Principles of Chemistry Topic 1: States of matter Topic 2 : Atomic structure. Topic 3 : The Periodic Table Topic 4: Elements, Compounds and Mixtures - Classify a substance as an element, compound or mixture. - Melting and boiling point of mixtures and pure substances. Inorganic Chemistry Topic 5 : The alkali metals Practical: Diffusion in liquids using food colouring.	Principles of Chemistry Topic 1 : Elements, Compounds and Mixtures - Separation of mixtures: - simple distillation - fractional distillation - filtration - crystallisation - paper chromatography. Topic 2 : Ionic bonding Topic 3 : Covalent bonding Topic 4 : Metallic bonding Inorganic Chemistry Topic 5 : Halogens Practical: Paper chromatography	Principles of Chemistry Topic 1 : Chemical formula equations & calculation Organic Chemistry Topic 2 : Crude oil Topic 3 : Introduction of organic chemistry Topic 4 : The Alkanes Topic 5: The Alkenes Practical: To Distinguish between an alkane and an alkene using bromine water (video)
Distribution of marks	Formative Assessment – 20marks First Term End Exam -90marks	Formative Assessment -20 marks Second Term End Exam-90marks	Formative Assessment -20marks Third Term End Exam-90marks

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Grade -VIII			Subject : Biology
Name of the book	Term 1	Term 2	Term 3
1. Edexcel IGCSE Biology Student Book (9-1) 2. IGCSE Biology Revision Guide 3. IGCSE Biology Question Bank	Unit 1: Organisms and life processes - Life processes. - The variety of living Organisms. Unit 3: Plant physiology - Plants and food. - Transport in plants. Unit 5: Variation and selection - Selective breeding. Practical & Activity - Investigate plant and animal cells with a light microscope. - Investigate the role of guard cells and stomata in photosynthesis.	Unit 3: Plant physiology - Reproduction in plants . Unit 2: Animal physiology - Blood and circulation. Unit 6: Microorganisms - Using microorganisms. Unit 5: Variation and selection - Chromosomes, genes, and DNA(except protein synthesis) - Cell division. Practical & Activity - Investigate the effect of exercise on heart rate. - Investigate the factors that affect plant germination .	Unit 2: Animal physiology - Coordination. - Chemical Coordination. Unit 3: Plant physiology - Chemical coordination in plants. Unit 4: Ecology and environment - Ecosystems. Revision - Plants and Food. Practical & Activity - Investigate the effect of light and/or gravity on plant growth. - Investigate human responses to external stimuli.
Distribution of marks	Formative Assessment-20 marks Term End Exam- 90 marks	Formative Assessment-20 marks Term End Exam-90 marks	Formative Assessment-20 marks Term End Exam-90 marks

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