

Art & Craft

Class-7

Quarter Three		
Unit title	Content	Chapter (Textbook)
Colour Shading By Poster Colour	Colour shading on different objects by poster colour	N/A
Still Life	Still life by poster colour	N/A
Close-up Study	Close-up study of different objects by poster colour	N/A

Quarter Four		
Unit title	Content	Chapter (Textbook)
Landscape Painting	Landscape painting by poster colour	N/A
Abstract Painting	Abstract painting by poster colour	N/A
Craft Works	Craft works by wastage materials	N/A

বাংলা সাহিত্য ও ব্যাকরণ

পাঠ্যবইঃ সপ্তম শ্রেণী - সপ্তম শ্রেণী, জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ঢাকা।

Quarter Three		
Title	Content	Chapter (Textbook)
গল্প -রোকেয়া সাখাওয়াত হোসেন	<ul style="list-style-type: none">শব্দার্থ লেখক পরিচিতিপূর্ববর্তী মুসলিম সমাজ ব্যবস্থায় নারীর অবস্থান, রোকেয়া সাখাওয়াত হোসেনের জীবনী	সপ্তম শ্রেণী সপ্তম শ্রেণী
প্রবন্ধ- শব্দ থেকে কবিতা	<ul style="list-style-type: none">শব্দার্থ, লেখক পরিচিতিকবিতার শিল্পরূপ ও বৈশিষ্ট্য, সৃজনশীলতা	সপ্তম শ্রেণী সপ্তম শ্রেণী
কবিতা -উপদেশ	<ul style="list-style-type: none">শব্দার্থ, লেখক পরিচিতিনৈতিকতাবোধ ও শিষ্টাচার	সপ্তম শ্রেণী সপ্তম শ্রেণী
বাগধারা	(বা, ট, ঠ ও ড বর্ণযোগে গঠিত বাগধারা) <ul style="list-style-type: none">বাগধারার অর্থ, উপযুক্ত বাগধারার ব্যবহার	তথ্যপত্র ও কর্মপত্র
সন্ধি	(ছ, জ, ঝ, ঞ বর্ণযোগে গঠিত শব্দের সন্ধি) <ul style="list-style-type: none">সন্ধি করা, সন্ধি বিচ্ছেদ করা	তথ্যপত্র ও কর্মপত্র
প্রবাদ-প্রবচন	(নির্ধারিত প্রবাদ-প্রবচন) <ul style="list-style-type: none">প্রবাদের অর্থ, উপযুক্ত প্রবাদের ব্যবহার	তথ্যপত্র ও কর্মপত্র
বিপরীত শব্দ	(নির্ধারিত শব্দের বিপরীত শব্দ) <ul style="list-style-type: none">বিপরীত শব্দ কী, বিপরীতধর্মী মনোভাব প্রকাশে বিপরীত শব্দের ব্যবহার	তথ্যপত্র ও কর্মপত্র
চিঠি	(ব্যক্তিগত চিঠি) <ul style="list-style-type: none">চিঠি, চিঠির প্রকারভেদ, চিঠির নিয়ম	নমুনাপত্র সরবরাহ
গল্প	<ul style="list-style-type: none">গল্প লেখার নিয়মনির্দিষ্ট বিষয়ের উপর গল্প লিখা	নমুনাপত্র সরবরাহ

Quarter Four

Title	Content	Chapter (Textbook)
নাটক -সেই ছেলেটি	<ul style="list-style-type: none">শব্দার্থ, লেখক পরিচিতিসুবিধাবঞ্চিতদের জীবন, সুবিধাবঞ্চিত শিশুদের প্রতি মমত্ববোধ	সপ্তবর্ণা সপ্তম শ্রেণী
প্রবন্ধ- বাংলাদেশের ক্ষুদ্র জাতিসত্তা	<ul style="list-style-type: none">শব্দার্থ, লেখক পরিচিতিবাংলাদেশের ক্ষুদ্র জাতিগোষ্ঠীর সংস্কৃতি ও জীবনাচার	সপ্তবর্ণা সপ্তম শ্রেণী
কবিতা -এই অক্ষরে	<ul style="list-style-type: none">শব্দার্থ, লেখক পরিচিতি, মাতৃভাষা ও দেশপ্রেম	সপ্তবর্ণা সপ্তম শ্রেণী
সন্ধি	(ত ও থ বর্ণযোগে গঠিত শব্দের সন্ধি) <ul style="list-style-type: none">সন্ধি করা, সন্ধি বিচ্ছেদ করা	তথ্যপত্র ও কর্মপত্র
বাগধারা	(ঢ ও ত বর্ণযোগে গঠিত বাগধারা) <ul style="list-style-type: none">বাগধারার অর্থ, উপযুক্ত বাগধারার ব্যবহার	তথ্যপত্র ও কর্মপত্র
প্রতিশব্দ	(নির্ধারিত শব্দের প্রতিশব্দ) <ul style="list-style-type: none">প্রতিশব্দ কী, শব্দার্থ অনুধাবনপ্রতিশব্দের ব্যবহার	তথ্যপত্র ও কর্মপত্র
অনুচ্ছেদ পড়ে প্রশ্নোত্তর	<ul style="list-style-type: none">অনুচ্ছেদ পড়া, প্রশ্নোত্তর খুঁজে বের করা	কর্মপত্র
গল্প লিখা	নির্দিষ্ট বিষয়ের উপর গল্প লিখা	নমুনাপত্র সরবরাহ
রচনা	(মাতৃভাষা বিষয়ক ও বাংলাদেশ বিষয়ক) <ul style="list-style-type: none">বিষয়বস্তু সম্পর্কে ধারণা, রচনা লেখার নিয়মাবলি	নমুনাপত্র সরবরাহ

Computer Studies

Text book: Terabytes -7

Quarter Three		
Unit title	Content	Chapter (Textbook)
Go Online	<ul style="list-style-type: none">• Search Engine• Email• Video Conferencing• Social Networking• Web Feeds• Online Learning• Online Shopping• Online Banking• Online Reservation	Terabytes- 7 (Chapter 05)
Coding Club: Python Basics	<ul style="list-style-type: none">• How to code IDLE• Print () & Input () Functions• Math in Python• Write & Save a Python File Using Script Mode• Run a Python File	Terabytes- 7 (Chapter 10)
Coding Club: Next Steps	<ul style="list-style-type: none">• If...Else Statement• While Loop	Terabytes- 7 (Chapter 11)

Quarter Four		
Unit title	Content	Chapter (Textbook)
Calculation in Microsoft Excel	<ul style="list-style-type: none">• Formula• Functions• Error Results	Terabytes-7 (Chapter 02)
Coding Club: C++ Basics	<ul style="list-style-type: none">• Features of C++• Getting Started with C++• Errors in Programming Language	Terabytes- 7 (Chapter 12)
Animation Basics: Adobe Flash CS3	<ul style="list-style-type: none">• Components of Adobe Flash Interface• Using Tools Panel in Adobe Flash• Creating Adobe Flash Document	Terabytes-7 (Chapter 08)

English Language

Text books:

1. Aster Course book -8 by Tara Chandha, Lalitha Eapen
2. Aster Workbook- 8 by Hemalatha Nagarajan
3. Senior School Grammar and Composition by Hester Lott

Quarter Three		
Unit title	Content	Chapter (Textbook)
The Tiger Story	A story about the tiger <ul style="list-style-type: none"> • Fact and opinion • Synonyms, Combining sentences • Using correct conjunctions and replacing wrong conjunctions 	Aster Course book 8
The Best Advice I Ever Had	A story about Ghandi's advice to a High Commissioner <ul style="list-style-type: none"> • Contextual, factual and evaluative information • Vocabulary, FB with 'each / every' • Pair work: Using phrases to give advice • Pair work: Using phrases to make suggestion 	Aster Course book 8
The Best Advice I Ever Had	Activity from Workbook <ul style="list-style-type: none"> • Sentence Transformation • Using 'each' and 'every' 	Aster Workbook 8
The Bet-1	<ul style="list-style-type: none"> • Crossing the odd word out • Changing voice 	Aster Course book 8
The Bet-1	Activity from Workbook <ul style="list-style-type: none"> • Completing the sentences with suitable forms of the words • Using prefix to form opposites • Changing the voice • Writing the sentences as directed 	Aster Workbook 8
Punctuation	<ul style="list-style-type: none"> • Capitalization, Full Stop, Comma, Question Mark • Inverted Comma, Apostrophe 	Senior School Grammar and Composition (Unit: 47, 48, 49)
Speech	<ul style="list-style-type: none"> • Direct and Reported speech 	Unit-46
Composition (Creative Writing)	<ul style="list-style-type: none"> • Autobiography writing, Biography writing • Diary writing, Leaflet Writing 	Unseen

Quarter Four		
Unit title	Content	Chapter (Textbook)
The Bet-2	A story about a bet <ul style="list-style-type: none"> • Matching • Antonyms • Pronouns 	Aster Course book 8
The Bet-2	Diary of Robinson Crusoe <ul style="list-style-type: none"> • Contextual, factual and evaluative information • Vocabulary • Making new words • Gap filling • Speech changing, Choosing adjectives / adverbs 	Aster Workbook 8
Parrot	A poem about the spring in a corner of a city <ul style="list-style-type: none"> • Contextual, factual and evaluative information • Vocabulary • Matching idioms with meanings • Making metaphors • Error correction 	Aster Course book 8
Subject-Verb Agreement	<ul style="list-style-type: none"> • Gap filling, Choosing correct verbs • Choosing correct subjects 	Information Sheet
Parrots	A story about a bird lover <ul style="list-style-type: none"> • Contextual, factual and evaluative information • Vocabulary • Identifying similes/ metaphors, Underlining adjectives 	Aster Workbook 8
Articles	<ul style="list-style-type: none"> • Completing sentences with 'a' or 'an' • Choosing the best alternatives to complete sentences • Tick the right sentences and correct the wrong ones • Writing the missing articles 	Senior School Grammar and Composition (Unit-11)
Composition (Creative Writing)	<ul style="list-style-type: none"> • Story Writing • Report Writing • Informal Letter 	Unseen

English Literature

Textbooks:

1. The Selected English Poems; Oxford International School Publication; 2004
2. Percy Jackson and the Last Olympian; Rick Riordan; Puffin Classics, 2009

Quarter Three		
Unit title	Content	Chapter (Textbook)
Percy Jackson and The Last Olympian	<ul style="list-style-type: none"> • About the author - Rick Riordan • Genre of the text • The characteristics of Fantasy Novel • Characters • Title of the text • Phonics, spellings and vocabularies • Dialogues, sentence structure and language • Literary terms/ Figurative speech • Simile, metaphor, alliteration and irony • Identifying relevant points, synthesising, analysing and summarising ideas 	Chapter – 1 to 6 (from 'Go Cruising with Explosives' to 'My Cookies Get Scorched')
	<ul style="list-style-type: none"> • Adventure of Percy Jackson • Greek Mythology • The importance of Greek Gods • Phonics, spellings and vocabularies • Dialogues, sentence structure and language • Literary terms/ Figurative speech • Simile, metaphor, alliteration and irony • Identifying relevant points, synthesising, analysing and summarising ideas 	Chapter – 7 to 12 (from 'My Math Teacher Gives Me a Lift' to 'Rachel Makes a Bad Deal')
Cassabianca (poem)	<ul style="list-style-type: none"> • About the poet, F D Hemans • Cultural impact • Noble characteristics such as chivalrism, obedience, morality • Nature as depicted in the poem • Theme of the poem • Essential vocabularies • Literary Terms / Figurative Speech 	The Selected English Poems

Quarter Four		
Unit title	Content	Chapter (Textbook)
Percy Jackson and The Last Olympian	<ul style="list-style-type: none"> • Representation of Half-Blood in the novel • The Great Prophecy as the base of the main plot • Mythological Creatures and their importance • Phonics, spellings and vocabularies • Dialogues, sentence structure and language • Literary terms/ Figurative speech • Simile, metaphor, alliteration and irony • Identifying relevant points, synthesising, analysing and summarising ideas 	Chapter – 13 to 18 (from ‘A Titan Brings Me a Present’ to ‘My Parents Go Commando’)
	<ul style="list-style-type: none"> • Percy Jackson’s courage as a hero • The battle between Good vs Evil • Phonics, spellings and vocabularies • Dialogues, sentence structure and language • Literary terms/ Figurative speech • Simile, metaphor, alliteration and irony • Identifying relevant points, synthesising, analysing and summarising ideas 	Chapter – 19 to 23 (from ‘We Trash the Eternal City’ to ‘We Say Goodbye, Sort Of’)
Dulce et Decorum Est Pro Patri Mori (Poem)	<ul style="list-style-type: none"> • Basic information on the poet, Wilfred Owen • 1st World War as the background of the poem and its effect • Title of the poem, genre of the poem • Soldiers in war • Essential vocabularies, literary terms 	Information Sheet

Recommended reference books:

1. The Penguin Dictionary of Literary Terms and Literary Theory; J. A. Cuddon; 4th Edition; Penguin Books; 1999.
2. Percy Jackson and the Battle of the Labyrinth; Rick Riordan; Puffin Classics, 2009.
3. Mythology; Edith Hamilton; Little, Brown and Company, 1942.

German Language

Textbook: Wir 2

Quarter Three		
Unit title	Content	Chapter (Textbook)
Module 6	Wo ist denn hier...? Hast du Lust, ins Kino zu gehen?	Chapter 1 - 2 Wir 2

Quarter Four		
Unit title	Content	Chapter (Textbook)
Module 6	Ordnung muss sein!	Chapter 3 Wir 2

Mathematics

Textbooks:

1. New Syllabus Mathematics – I (5th edition) Consultants: Prof Lee Peng Yee, Dr Fan Liang Huo
2. New Syllabus Mathematics – II (5th edition) Consultants: Prof Lee Peng Yee, Dr Fan Liang Huo

Quarter Three		
Unit title	Content	Chapter (Textbook)
Simultaneous Linear Equations	Ex: 8a, 8b	Chapter- 8 (Mathematics Book – II)
Linear Graphs and Their Applications	Ex: 9a, 9b, 9c,9d, 9e, 9g	Chapter- 9 (Mathematics Book – II)
Motion Geometry	Ex: 11a, 11b, 11c, 11d	Chapter- 11 (Mathematics Book – II)

Quarter Four		
Unit title	Content	Chapter (Textbook)
Trigonometrical Rations	Ex: 15a, 15b, 15c, 15d, 15e	Chapter- 15 (Mathematics Book – II)
Pythagoras' Theorem	Ex: 12a,12b	Chapter- 12 (Mathematics Book – II)
Volume and Surface Area	Ex: 10a, 10b, 10c, 10d	Chapter- 10 (Mathematics Book – I)

Music

Quarter Three		
Unit title	Content	Source
English Song	'Have you ever seen the rain?'	you tube
Modern Bangla Song	'Tomar bari ronger melay.....'	you tube
English Song	'Country roads'	you tube

Quarter Four		
Unit title	Content	Source
English Song	'Stiches'	you tube
Rabindra Shangeet	'Jodi tor daak shune...'	you tube
Nazrul Shangeet(gonoshangeet)	'Shonkocher bihobolotae....'	you tube

Biology

Textbook: New Coordinated Science Biology for Higher Tier by Brian Beckett, Rosemarie Gallagher

Quarter Three		
Unit title	Content	Chapter (Textbook)
Respiration, Circulation and Excretion	<ul style="list-style-type: none"> • Metabolism, Enzymes and Respiration • Aerobic and Anerobic respiration • Lungs and Gas exchange • The Heart • The Blood Flow • Heart diseases • What blood is • What blood does • How oxygen and food reach cells 	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-4, unit-4.02 to 4.10]
Health	<ul style="list-style-type: none"> • Smoking and ill-health 	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-9, unit-9.04]

Quarter Four		
Unit title	Content	Chapter (Textbook)
Senses and Coordination	<ul style="list-style-type: none"> • The Eye 	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher [Chapter-6, unit-6.03]
Senses and coordination	<ul style="list-style-type: none"> • The Nervous System • More about the nervous system • Sex hormones and development(Adolescence) • Hormone 	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-6, unit-6.06 to 6.08&6.10]
Health	<ul style="list-style-type: none"> • Germs, Diseases and Infection • Defenses against diseases 	New Coordinated Science Biology for Higher Tier By- Brian Beckett, Rosemarie Gallagher. [Chapter-9, unit-9.02, 9.03]

Chemistry

Text books:

1. New Coordinated Science Chemistry for Higher Tier
2. Explore Chemistry Book-2

Quarter Three		
Unit title	Content	Chapter (Textbook)
Metals and Non-metals	<ul style="list-style-type: none">• Properties of metals• Differences between metals and non-metals• Alloy• Reactivity series• Reaction with oxygen, water and acids• Reaction of non-metals with oxygen	New coordinated Science Chemistry for Higher Tier Chapter- 4 Information sheet
Hydrogen	<ul style="list-style-type: none">• Preparation of hydrogen• Properties of hydrogen• Uses of hydrogen	Explore Chemistry Book-2 Chapter-7

Quarter Four		
Unit title	Content	Chapter (Textbook)
Corrosion and Rusting	<ul style="list-style-type: none">• Corrosion• Rusting• Methods to prevent corrosion and rusting• Uses of iron	New coordinated Science Chemistry for Higher Tier Chapter -5 Information sheet
Carbon Dioxide	<ul style="list-style-type: none">• Preparation of carbon dioxide• Properties of carbon dioxide• Uses of carbon dioxide	Explore Chemistry Book-2 Chapter-8

Physics

Textbook: New Coordinated Science: Physics for Higher Tier by Stephen Pople

Quarter Three		
Unit title	Content	Chapter(Textbook)
Thermal Energy	<ul style="list-style-type: none">• Conduction• Convection• Radiation	Chapter - 3
Light	<ul style="list-style-type: none">• Reflection of light• Refraction of light	Chapter - 4

Quarter Four		
Unit title	Content	Chapter (Textbook)
Sound	<ul style="list-style-type: none">• Sound Waves• Types of sound waves• Speed of sound	Chapter -4
Electricity	<ul style="list-style-type: none">• Current• Voltage• Resistance• Series and parallel circuits	Chapter -5

Social Science

Text book: Discovering Bangladesh, Book III (Part Two)

Quarter Three		
Unit title	Content	Chapter (Textbook)
Strand Two: Culture And Heritage (Architectural innovations of the past and splendors of the modern period in Bangladesh)	<ul style="list-style-type: none"> • The history of architecture • The development of architecture • Modern trends and their roots in urban architecture 	Chapter-3
Strand Three: Geography and Environment (The Growth of industries in Bangladesh)	<ul style="list-style-type: none"> • The top and emerging industries of Bangladesh • The history of textile industry • The working role of women • The history and impact of the handicrafts, pottery and cottage industry of Bangladesh • The ship breaking and ship building industry 	Chapter-12
Strand Three: Geography and Environment (Services: The Evolution and Growth of the service sectors in Bangladesh)	<ul style="list-style-type: none"> • The services sector in Bangladesh • The difference between the formal and informal service sectors • The importance of the informal sectors of Bangladesh • The role and challenges of the health sector 	Chapter-13
Strand Three: Geography and Environment (Population and settlement)	<ul style="list-style-type: none"> • The main demographic features • Urbanization • The socio economic status of the women 	Chapter-14

Quarter Four

Unit title	Content	Chapter (Textbook)
Strand Two: Culture And Heritage (Art, paintings, sculptures of the modern period in Bangladesh)	<ul style="list-style-type: none">• The development of Art, Painting and Sculpture in Bangladesh• The notable painters of Bengal• Various styles and genres of art and painting in Bangladesh• Sculpture in Bangladesh and notable works• The vibrant folk art of Bangladesh	Chapter-4
Strand Two: Culture And Heritage (Phases of development of Bengali Language and Literature including folk literature and education system of Bangladesh)	<ul style="list-style-type: none">• The significance of Bengali Language• The different Bengali dialects• The rise and development of the Bengali language• Examination of folk literature• The education system of Bangladesh• The re-emergence of the Bengali identity	Chapter-5
Strand Three: Geography and Environment (Administrative divisions and functions of the local government in Bangladesh)	<ul style="list-style-type: none">• The broad administrative units and divisions of Bangladesh• The administrative powers and functions of each unit, the role of different branches of government	Chapter-15

