

## **Art & Craft**

### **Class-7**

<b>Quarter One</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Basic Drawing</b>	<ul style="list-style-type: none"><li>• Line</li><li>• Oval and Circle</li></ul>	N/A
<b>Line Drawing</b>	<ul style="list-style-type: none"><li>• Different objects drawing with light and shade by line</li></ul>	N/A
<b>Still Life</b>	<ul style="list-style-type: none"><li>• Composition of different objects</li></ul>	N/A
<b>Design</b>	<ul style="list-style-type: none"><li>• Design with basic shapes</li></ul>	N/A
<b>Pencil Sketch</b>	<ul style="list-style-type: none"><li>• Tone or shade with pencil on still life and landscape</li></ul>	N/A

<b>Quarter Two</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Pencil Sketch</b>	<ul style="list-style-type: none"><li>• Tone or shade with pencil on still life and landscape</li></ul>	N/A
<b>Pen Sketch</b>	<ul style="list-style-type: none"><li>• Tone or shade with pen on still life and landscape</li></ul>	N/A
<b>Water Colour</b>	<ul style="list-style-type: none"><li>• Water Colour on still life and landscape</li></ul>	N/A
<b>Close-up Study</b>	<ul style="list-style-type: none"><li>• Close-up Drawing of different objects</li></ul>	N/A

## বাংলা সাহিত্য ও ব্যাকরণ

### Textbook:

- সপ্তবর্গা, জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ঢাকা।

Quarter One		
Title	Content	Chapter (Textbook)
গল্প - বলাই	<ul style="list-style-type: none"> <li>লেখক পরিচিতি প্রকৃতি ও পরিবেশ</li> <li>শিশু মনস্তত্ত্ব</li> </ul>	গদ্য নং -১
গল্প - লাইব্রেরি	<ul style="list-style-type: none"> <li>লেখক পরিচিতি</li> <li>লাইব্রেরির প্রকারভেদ</li> <li>লাইব্রেরির ব্যবহার</li> </ul>	গদ্য নং- ২
গল্প - মাল্যদান	<ul style="list-style-type: none"> <li>লেখক পরিচিতি , বধ্যভূমি , মুক্তিযুদ্ধ ও বাংলাদেশ</li> </ul>	গদ্য নং -৩
কবিতা - আনন্দ	<ul style="list-style-type: none"> <li>লেখক পরিচিতি, প্রাকৃতিক সৌন্দর্য</li> <li>প্রকৃতির প্রতি ভালোবাসা</li> </ul>	পদ্য নং - ২
ব্যাকরণ - সন্ধি	<p>(ষষ্ঠ শ্রেণীর পঠিত সন্ধির পুনরায় অনুশীলন এবং অ, খ, গ, ঘ বর্ণযোগে পঠিত শব্দের সন্ধি)</p> <ul style="list-style-type: none"> <li>সন্ধি করা</li> <li>সন্ধি বিচ্ছেদ করা</li> </ul>	কর্মপত্র
ব্যাকরণ - ক্লোজ পরিচ্ছেদ	<ul style="list-style-type: none"> <li>উপযুক্ত শব্দ বেছে শূন্যস্থান পূরণ</li> <li>অনুচ্ছেদ সম্পূর্ণ করা</li> </ul>	কর্মপত্র
ব্যাকরণ - বাগধারা	<p>(ষষ্ঠ শ্রেণীর পঠিত বাগধারার পুনরায় অনুশীলন এবং “চ” বর্ণযোগে গঠিত বাগধারা)</p> <ul style="list-style-type: none"> <li>বাগধারা কী, বাগধারার অর্থ</li> <li>অর্থ অনুযায়ী ভাষায় উপযুক্ত বাগধারার ব্যবহার</li> </ul>	কর্মপত্র
ব্যাকরণ - সংলাপ	<p>( চিত্রায়িত চরিত্রের মধ্যকার সংলাপ )</p> <ul style="list-style-type: none"> <li>সংলাপ কী? বিষয়বস্তু, সংলাপ লেখার নিয়ম</li> <li>চরিত্র চিত্রায়ন</li> </ul>	নমুনাপত্র সরবরাহ ও কর্মপত্র
ব্যাকরণ - চিঠি	<ul style="list-style-type: none"> <li>চিঠি , চিঠি লেখার নিয়মাবলি</li> <li>চিঠির প্রকারভেদ, ব্যক্তিগত চিঠি</li> </ul>	নমুনাপত্র প্রদান
ব্যাকরণ - রচনা	<ul style="list-style-type: none"> <li>(প্রকৃতি বিষয়ক ও যুদ্ধ বিষয়ক ) বিষয়বস্তু সম্পর্কে ধারণা, রচনা লেখার নিয়মাবলি</li> </ul>	নমুনাপত্র প্রদান

Quarter Two

Title	Content	Chapter (Textbook)
গল্প - লাল ঘোড়া	<ul style="list-style-type: none"> <li>লেখক পরিচিতি, পোষা প্রাণী ও এর প্রতি ভালোবাসা</li> <li>মানুষ ও পোষা প্রাণীর সম্পর্ক</li> </ul>	গদ্য নং -৪
গল্প - লখার একুশে	<ul style="list-style-type: none"> <li>লেখক পরিচিতি, একুশের চেতনা</li> <li>ভাষা আন্দোলন ও বাংলাদেশ</li> </ul>	গদ্য নং -৫
গল্প - ছবির রং	<ul style="list-style-type: none"> <li>লেখক পরিচিতি, প্রাকৃতিক সৌন্দর্য</li> <li>বাংলাদেশের ঋতু বৈচিত্র্য</li> </ul>	গদ্য নং -৬
কবিতা - কুলি-মজুর	<ul style="list-style-type: none"> <li>লেখক পরিচিতি, সাম্যবাদ ও সামাজিক মূল্যবোধ</li> </ul>	পদ্য নং -৪
ব্যাকরণ - বাক্য পরিবর্তন	<p>( নির্ধারিত বাক্য সমূহের পরিবর্তন )</p> <ul style="list-style-type: none"> <li>বাক্য, বাক্য পরিবর্তন ,বাক্যের প্রকারভেদ</li> </ul>	কর্মপত্র
ব্যাকরণ - সন্ধি	<p>( 'চ' বর্ণযোগে গঠিত শব্দের সন্ধি )</p> <ul style="list-style-type: none"> <li>সন্ধির প্রকারভেদ, সন্ধিকরা ও সন্ধি বিচ্ছেদ করা</li> </ul>	কর্মপত্র
ব্যাকরণ - বাগধারা	<p>( ছ ও জ বর্ণযোগে গঠিত বাগধারা )</p> <ul style="list-style-type: none"> <li>বাগধারার অর্থ, উপযুক্ত বাগধারার ব্যবহার</li> </ul>	কর্মপত্র
ব্যাকরণ - প্রতিবেদন	<p>( নির্ধারিত বিষয়ের উপর প্রতিবেদন )</p> <ul style="list-style-type: none"> <li>প্রতিবেদন কী? প্রতিবেদন তৈরির নিয়ম, প্রতিবেদন লিখা</li> </ul>	নমুনাপত্র সরবরাহ
ব্যাকরণ - চিঠি	<ul style="list-style-type: none"> <li>দরখাস্ত, দরখাস্ত লিখার নিয়ম, দরখাস্ত লিখা</li> </ul>	নমুনাপত্র সরবরাহ
ব্যাকরণ - রচনা	<p>( ভাষা আন্দোলন ও দিবস সম্পর্কিত এবং প্রাণী বিষয়ক )</p> <ul style="list-style-type: none"> <li>বিষয়বস্তু সম্পর্কে ধারণা, রচনা লেখার নিয়মাবলি</li> </ul>	নমুনাপত্র সরবরাহ

## Computer Studies

**Textbook:**

1. Terabytes-7 by Vaishali Sharma

<b>Quarter One</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
Number System	<ul style="list-style-type: none"><li>• Binary Number System</li><li>• Decimal Number System</li><li>• Conversion of Binary to Decimal and vice-versa</li></ul>	Terabytes- 7 and Information Sheet
Website Designing: HTML Basics	<ul style="list-style-type: none"><li>• Structure of HTML</li><li>• HTML Editor</li><li>• Create, Save &amp; View an HTML Document</li><li>• HTML Tags &amp; Attributes</li></ul>	Terabytes- 7
Website Designing: HTML Next Steps	<ul style="list-style-type: none"><li>• Creating List(s) in a Webpage</li><li>• Inserting Images</li><li>• Creating Hyperlinks</li></ul>	Terabytes- 7

<b>Quarter Two</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
Database	<ul style="list-style-type: none"><li>• Databases Concepts</li><li>• Relational Database Management Systems</li></ul>	Information Sheet
Animation Basics: Adobe Flash CS3	<ul style="list-style-type: none"><li>• Starting Adobe Flash</li><li>• Components of Adobe Flash Interface</li><li>• Creating Adobe Flash Document</li><li>• Using Tools Panel in Adobe Flash</li></ul>	Terabytes- 7
Logic Gates	<ul style="list-style-type: none"><li>• Electronic Gates</li><li>• Symbols</li><li>• Data Storage</li><li>• Three State Logic Gates</li></ul>	Information Sheet

## English Language

### Textbooks:

1. Aster Course book- 8
2. Aster Workbook- 8
3. Senior School Grammar and Composition

<b>Quarter One</b>		
Unit Title	Content	Chapter (Textbook)
The Luncheon	<p>A story about a young writer and a pretentious woman (Fiction )</p> <ul style="list-style-type: none"> <li>• Vocabulary, Opposite words</li> <li>• Adding appropriate prefixes, Circling nouns</li> <li>• Filling up the Blanks (F/B) with nouns</li> <li>• Completing phrases with nouns</li> <li>• Drawing up a menu card and making a list of food items</li> </ul>	Aster Coursebook 8 By: Tara Chandha Lalitha Eapen
The Luncheon	<p>A story about cuisine (Non-fiction)</p> <ul style="list-style-type: none"> <li>• Vocabulary, Finding out fact and opinion</li> <li>• Putting tick mark on the correct boxes</li> <li>• Selecting prefixes to form opposite words</li> <li>• Complete the passage using nouns</li> <li>• Writing a summary</li> <li>• Writing an invitation for an event</li> </ul>	Aster Workbook 8 By: Hemalatha Nagarajan
The Discovery of Penicillin	<p>A story about an absent minded scientist and his discovery</p> <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary, Underlining pronouns</li> <li>• FB with few/fewer/little/less</li> <li>• Group work ( Speaking about illness, symptoms, remedies, precautions etc)</li> <li>• Formal letter writing</li> </ul>	Aster Coursebook 8 By: Tara Chandha Lalitha Eapen
The Discovery of Penicillin	<p>Activity from Workbook</p> <ul style="list-style-type: none"> <li>• Sentence making, Homophones, Options choosing</li> <li>• Gap filling, Letter writing</li> </ul>	Aster Workbook 8 By: Hemalatha Nagarajan
Parts of Speech	<ul style="list-style-type: none"> <li>• Correcting the errors</li> <li>• Completing sentences with suitable pronouns</li> <li>• Rewriting sentences using adjectives</li> <li>• Underlining verbs, Identifying adverbs</li> <li>• Choosing right prepositions to complete sentences</li> <li>• Rewriting two sentences as one using conjunction</li> </ul>	Senior School Grammar and Composition ( Unit:5, 6, 7, 8, 30, 31,33) By: Hester Lott

<p>Lines Written in Early Spring</p>	<p>Poem about a bond between nature and man</p> <ul style="list-style-type: none"> <li>• Synonyms and antonyms</li> <li>• FB with either/neither/either...or/neither....nor</li> <li>• Working in groups of five (research on the causes of the degradation of nature )</li> <li>• Descriptive writing</li> </ul>	<p>Aster Coursebook 8 By: Tara Chandha Lalitha Eapen</p>
<p>Lines Written in Early Spring</p>	<p>Extract from Rabindranath's boyhood</p> <ul style="list-style-type: none"> <li>• Fiction, non-fiction</li> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary</li> <li>• FB with proper form of verbs</li> <li>• Group work: Solving the clues to get new words</li> <li>• Circling correct options (either/ neither/ either of /neither of)</li> <li>• Story writing</li> </ul>	<p>Aster Workbook 8 By: Hemalatha Nagarajan</p>
<p>Composition (Creative Writing )</p>	<ul style="list-style-type: none"> <li>• Letter Writing ( Formal)</li> <li>• Descriptive Writing</li> </ul>	<p>Internet</p>
<p>A Present for Grandfather</p>	<p>Story about a boy and his grandfather</p> <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary</li> <li>• Completing a table with noun, verb, adjective and adverb</li> <li>• Listening to a story and matching</li> <li>• Retelling a story</li> <li>• Role play: a dialogue</li> </ul>	<p>Aster Coursebook 8 By: Tara Chandha Lalitha Eapen</p>
<p>A Present for Grandfather</p>	<p>Activity from Workbook</p> <ul style="list-style-type: none"> <li>• Word Puzzle: Finding out adverbs</li> <li>• Ticking the nouns that can be used only in plural form</li> <li>• Completing the sentences with phrases</li> <li>• Identifying clauses</li> <li>• Debate: Country life is better than city life</li> </ul>	<p>Aster workbook 8 By: Hemalatha Nagarajan</p>

## Quarter Two

Unit title	Content	Chapter (Textbook)
Elizabeth Speaks Her Mind	<p>A story about five sisters</p> <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary, Changing the form of words</li> <li>• Antonyms, Identifying tenses</li> <li>• Rewriting as directed (tense changing)</li> <li>• Listening and filling up the gaps</li> <li>• Book Review: writing book review</li> </ul>	Aster Coursebook 8 By: Tara Chandha Lalitha Eapen
O Captain My Captain!	<p>An extract from a letter written by Abraham Lincoln</p> <ul style="list-style-type: none"> <li>• Vocabulary, FB with phrasal verbs</li> <li>• Making sentences with phrasal verbs</li> <li>• Matching exclamations to their correct sentences</li> <li>• Informal Letter writing</li> </ul>	Aster Workbook 8 By: Hemalatha Nagarajan
Phrasal Verb	<ul style="list-style-type: none"> <li>• Matching, Gap filling, Sentence Making</li> </ul>	Internet
Bookshop Memories	<p>A story about a bookshop and it's seller's bitter experience</p> <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• MCQ (textual meaning)</li> <li>• Completing sentences with phrasal verbs</li> <li>• Making sentences with phrasal verbs</li> <li>• Writing autobiography of a book</li> </ul>	Aster Coursebook 8 By: Tara Chandha Lalitha Eapen
Bookshop Memories	<p>A story about a small boy</p> <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary, Circling odd word, FB with adverb</li> <li>• Identifying parts of speech</li> <li>• Writing a paragraph on the pleasure of keeping diary</li> </ul>	Aster Workbook 8 By: Hemalatha Nagarajan
Tense	<ul style="list-style-type: none"> <li>• Completing the passage using the verbs in the box in the simple present tense</li> <li>• Completing the conversation using simple present tense or the present continuous tense</li> <li>• Completing the news paper stories using the simple past tense of the verbs</li> <li>• Completing the sentences with the simple past or past continuous of the verbs</li> </ul>	Senior School Grammar and Composition ( Unit: 15, 16 ) By: Hester Lott
Home They Brought Her Warrior Dead	<p>A poem about a mother's love</p> <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary, Completing the crossword</li> <li>• Finding words which are similar in meaning</li> <li>• Circling the verbs given in past form ; now change</li> </ul>	Aster Coursebook 8 By: Tara Chandha Lalitha Eapen

	them into present form, Argumentative Writing	
Home They Brought Her Warrior Dead  Composition ( Creative Writing )	A story about a bitter old man <ul style="list-style-type: none"> <li>• Using similes, Choosing the correct form of verbs</li> <li>• Rewriting the sentences as directed</li> <li>• Diary Writing</li> <li>• Letter Writing ( Informal)</li> </ul>	Aster Workbook 8 By: Hemalatha Nagarajan  Internet
Ballad of The Tempest	A story about a little girl who reminds that God is everywhere <ul style="list-style-type: none"> <li>• Contextual, factual and evaluative information</li> <li>• Vocabulary</li> <li>• Circling odd words</li> <li>• Idioms</li> <li>• Using adjectives as nouns</li> <li>• Writing Telegram</li> </ul>	Aster Course book 8 By: Tara Chandha Lalitha Eapen
Ballad of The Tempest	Activity from Workbook <ul style="list-style-type: none"> <li>• Matching idioms with meanings</li> <li>• Making sentences</li> <li>• Joining sentences</li> <li>• Choosing the correct options (adjectives / adverbs )</li> <li>• Using punctuation marks</li> </ul>	Aster Workbook 8 By: Hemalatha Nagarajan



## English Literature

### Textbooks:

1. Anne Frank, The Diary of Young Girl; Otto H.Frank, Mirjan Pressler; Penguin Books India; 2001
2. The Selected English Poems; Oxford International School Publication; 2004

Quarter One		
Unit title	Content	Chapter (Textbook)
<b>Anne Frank, The Diary of a Young Girl</b>	<ul style="list-style-type: none"> <li>• How to write diary</li> <li>-The Diary of Nobody by George Grossmith and Weedon Grossmith</li> <li>• Autobiography -Goodbye to all that by Robert Graves</li> <li>• Setting and background of the text</li> <li>• Major Characters of the text related to Anne Frank' life</li> <li>• Genre of the text</li> <li>• Title of the text</li> <li>• Essential vocabularies, Dialogues</li> <li>• Sentence structure and language</li> <li>• Literary terms/ Figurative speech</li> </ul>	Pages 1 to105
	<ul style="list-style-type: none"> <li>• The Jews and their condition as discussed in the novel</li> <li>• The Holocaust – The World at War</li> <li>• World War II, Religion as a theme of the text</li> <li>• Essential vocabularies, Dialogues</li> <li>• Sentence structure and language</li> <li>• Literary terms/ Figurative speech</li> </ul>	Pages 106 to 212
<b>Under The Greenwood Tree (Poem)</b>	<ul style="list-style-type: none"> <li>• Basic Information on the poet, William Shakespeare</li> <li>• Title of the poem, Literary Terms</li> <li>• Nature as depicted in the poem, Theme of the poem</li> <li>• Essential vocabularies, Literary Terms</li> <li>• Setting of the poem</li> </ul>	The Selected English Poems

Quarter Two		
Unit title	Content	Chapter (Textbook)
<b>Anne Frank, The Diary of a Young Girl</b>	<ul style="list-style-type: none"> <li>• The Nazi Occupation in Holland</li> <li>• The condition of the group living in the Secret Annexe during the Nazi Occupation</li> <li>• Isolation and Identity as themes of the text</li> <li>• Essential vocabularies, Dialogues</li> <li>• Sentence structure and language</li> <li>• Literary terms/ Figurative speech</li> </ul>	Pages 213 to 318
	<ul style="list-style-type: none"> <li>• The life of Anne Frank (especially during the Nazi occupation and World War II)</li> <li>• Amsterdam, Warfare as a theme of the text</li> <li>• Symbolism, imagery and allegory</li> <li>• Film: 'The Diary of Anne Frank'</li> <li>• Essential vocabularies, Dialogues</li> <li>• Sentence structure and language</li> <li>• Literary terms/ Figurative speech</li> </ul>	Pages 319 to 426
<b>The Solitary Reaper (poem)</b>	<ul style="list-style-type: none"> <li>• Basic information on the poet, William Wordsworth</li> <li>• Title of the poem</li> <li>• Setting of the poem</li> <li>• Art and culture related to life</li> <li>• Nature as depicted in the poem, Theme of the poem</li> <li>• Essential vocabularies, Literary Terms</li> <li>• Video clips on the poem</li> </ul>	The Selected English Poems

**Recommended reference books:**

1. *The Penguin Dictionary of Literary Terms and Literary Theory*; J. A. Cuddon; 4<sup>th</sup> 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:

1. Wir 2

<b>Quarter One</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Module 5</b>	<ul style="list-style-type: none"><li>• Körperteile, Krankheiten und beim Arzt</li><li>• Gesund leben</li></ul>	Chapter 1 - 2

<b>Quarter Two</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Module 5</b>	<ul style="list-style-type: none"><li>• Über Vergangenes erzählen</li></ul>	Chapter 3

## Mathematics

### Textbooks:

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

<b>Quarter One</b>		
Unit title	Content	Chapter (Textbook)
<b>Arithmetic Problems and Standard Form</b>	Ex: 1d	Chapter 1 (Mathematics Book – II)
<b>Scales and Maps</b>	Ex: 3a, 3b	Chapter 3 (Mathematics Book – II)
<b>Symmetry and Angle Properties of Polygons</b>	Ex: 4a, 4b, 4c, 4d, 4f	Chapter 4 (Mathematics Book – II)
<b>Expansion and Factorisation of Algebraic Expressions</b>	Ex: 5a, 5b, 5c, 5d, 5e	Chapter 5 (Mathematics Book – II)

<b>Quarter Two</b>		
Unit title	Content	Chapter (Textbook)
<b>Solving Quadratic Equations by Factorisation</b>	Ex: 6a, 6b, 6c	Chapter 6 (Mathematics Book – II)
<b>Algebraic Manipulation and Formulae</b>	Ex: 7a, 7b, 7c, 7d, 7e, 7f, 7g, 7h	Chapter 7 (Mathematics Book – II)
<b>Statistics – Measures of Central Tendency</b>	Ex: 14a, 14b	Chapter 14 (Mathematics Book – II)
<b>Number sequences and problem solving</b>	Ex: 3a	Chapter 3 (Mathematics Book – I)

## Social Science

### Text book:

1. Discovering Bangladesh Book III (Part Two) by Syeda Shabnam Huda

Quarter One		
Unit title	Content	Chapter (Textbook)
<b>Strand Two: Culture And Heritage</b> Chapter 1: Social & Cultural changes in the modern period in Bengal (pg : 1-13)	<ul style="list-style-type: none"> <li>• Changes in culture in Bangladesh in the modern period.</li> <li>• Impact of colonial rule on the local culture &amp; society in Bengal.</li> <li>• Different interpretations of the key events and developments in Bangladesh's cultural history</li> </ul>	Discovering Bangladesh Book III (Part Two)
<b>Strand Three: Geography and Environment</b> Chapter -6: Land and Environment (pg: 103-130)	<ul style="list-style-type: none"> <li>• Formation of Bengal delta</li> <li>• Main features of the Bengal Delta</li> <li>• Deltaic regions of Bangladesh</li> <li>• Vegetation of Bangladesh</li> <li>• Ecology of Madhupur saal forests of Bangladesh</li> <li>• Coastal zones and coastal boundary of Bangladesh</li> </ul>	Discovering Bangladesh Book III (Part Two)
<b>Strand Three: Geography and Environment</b> Chapter- 7: River ( pg 131-143)	<ul style="list-style-type: none"> <li>• The transboundary and international rivers</li> <li>• Background of the Ganges and the Teesta Rivers</li> <li>• Justification of building the Farrakka Barrage</li> </ul>	Discovering Bangladesh  Book III (Part Two)
<b>Strand Three: Geography and Environment</b> Chapter- 8: Climate ( pg 145-170)	<ul style="list-style-type: none"> <li>• The climate of Bangladesh</li> <li>• Compare and contrast trends in the climate of Bangladesh</li> <li>• The anatomy of cyclones</li> <li>• Other impacts of climate change in Bangladesh</li> </ul>	Discovering Bangladesh  Book III (Part Two)

## Quarter Two

Unit title	Content	Chapter (Textbook)
<p><b>Strand Two: Culture And Heritage</b> Chapter 2: Social structure, cultural aspects and life style of modern Bangladesh (pg : 15-48)</p>	<ul style="list-style-type: none"> <li>• The evolution and transformation of the culture and social structure of Bangladesh</li> <li>• The lifestyles, beliefs, traditions, rules and laws</li> <li>• The traditions of Bangladesh</li> <li>• The economic condition, trade and commerce of Bengal</li> </ul>	<p>Discovering Bangladesh Book III (Part Two)</p>
<p><b>Strand Three: Geography and Environment</b> Chapter -9: Resources: Energy (pg: 171-188)</p>	<ul style="list-style-type: none"> <li>• Important resources of modern life and economic development</li> <li>• Distinguish between renewable and nonrenewable sources of energy</li> <li>• The need for resource conservation</li> <li>• Importance of natural gas</li> <li>• The plan to use nuclear energy</li> <li>• The prospect of oil exploration in Bangladesh</li> </ul>	<p>Discovering Bangladesh Book III (Part Two)</p>
<p><b>Strand Three: Geography and Environment</b> Chapter -10: The structure of Bangladesh economy (pg: 189-196)</p>	<ul style="list-style-type: none"> <li>• The economic structure of Bangladesh</li> <li>• Sectors of economy</li> <li>• The status of Bangladesh's economy</li> <li>• Contribution of economic globalization towards the development of Bangladesh</li> </ul>	<p>Discovering Bangladesh Book III (Part Two)</p>
<p><b>Strand Three: Geography and Environment</b> Chapter -11: Agriculture in Bangladesh (pg: 197-210)</p>	<ul style="list-style-type: none"> <li>• Various types of farming</li> <li>• The importance of aquaculture and assess its value</li> <li>• Shrimp farming in Bangladesh</li> <li>• The history of sericulture</li> </ul>	<p>Discovering Bangladesh Book III (Part Two)</p>

## Biology

### Textbook:

1. New Coordinated Science Biology for Higher Tier by Brian Beckett, Rosemarie Gallagher

Quarter One		
Unit title	Content	Book Reference with Chapter
<b>Introducing Living Things</b>	<ul style="list-style-type: none"> <li>• Groups of living things</li> </ul>	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-1, unit-1.04]
<b>Introducing Living Things</b>	<ul style="list-style-type: none"> <li>• What are cells( Definition and Structure of Cell)</li> <li>• Cells, Tissues, Organs and Specialized Cells</li> </ul>	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-1, unit-1.05 1.06]
<b>In and out of Cells</b>	<ul style="list-style-type: none"> <li>• Diffusion, Osmosis, Active Transport</li> </ul>	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-1, unit-1.07]
<b>Green Plants as Organisms</b>	<ul style="list-style-type: none"> <li>• What is plant</li> <li>• Plant Nutrition(i)</li> <li>• Leaves</li> <li>• Transport and Support in Plants</li> <li>• Transpiration</li> </ul>	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-3, unit-3.01 3.02 3.04 3.05 3.06]

Quarter Two		
Unit title	Content	Book Reference with Chapter
<b>Feeding and Digestion</b>	<ul style="list-style-type: none"> <li>• Food</li> <li>• More about Food</li> <li>• A Balanced Diet and Health</li> <li>• Digestion</li> <li>• A Closer Look at Digestion</li> <li>• Absorption and the Liver</li> </ul>	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-5, Unit- 5.02 5.03 5.04 5.06 5.07 5.08]
<b>Enzymes</b>	<ul style="list-style-type: none"> <li>• Definition, Characteristics and Action of Enzyme</li> </ul>	New Coordinated Science Biology for Higher Tier By-Brian Beckett, Rosemarie Gallagher. [Chapter-4, unit-4.02]

## Chemistry

### Textbooks:

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

<b>Quarter One</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Atoms and Elements</b>	<ul style="list-style-type: none"><li>• Atoms, Molecules, Elements</li><li>• Symbols</li><li>• Atomic Numbers</li><li>• Mass Number</li></ul>	Explore Chemistry Book-2
<b>Atoms-the big idea</b>	<ul style="list-style-type: none"><li>• Atoms and elements</li><li>• More about atoms</li><li>• The atom: the inside story</li></ul>	New Coordinated Science Chemistry for Higher Tier Chapter-1
<b>The metals</b>	<ul style="list-style-type: none"><li>• Metals and the periodic table</li><li>• The alkali metals</li></ul>	New Coordinated Science Chemistry for Higher Tier Chapter-4
<b>The non-metals</b>	<ul style="list-style-type: none"><li>• The non –metal groups in the periodic table</li></ul>	New Coordinated Science Chemistry for Higher Tier Chapter-6

<b>Quarter Two</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Compounds and Mixtures</b>	<ul style="list-style-type: none"><li>• Compounds, Mixtures, Valency</li><li>• Radicals, Chemical Formula</li></ul>	Explore Chemistry Book-2
<b>Reactions, equations, and amounts</b>	<ul style="list-style-type: none"><li>• The masses of atoms</li><li>• The formula of a compound</li></ul>	New Coordinated Science Chemistry for Higher Tier Chapter-7
<b>Extracting metals</b>	<ul style="list-style-type: none"><li>• Metals in the Earth's crust</li><li>• Making use of metals</li></ul>	New Coordinated Science Chemistry for Higher Tier Chapter-5
<b>Useful materials from crude oil</b>	<ul style="list-style-type: none"><li>• Crude oil, Separating oil into fractions</li></ul>	New Coordinated Science Chemistry for Higher Tier Chapter-10



## Physics

### Textbook:

1. New Coordinated Science: Physics for Higher Tier by Stephen Pople

<b>Quarter One</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Units and Measurement</b>	<ul style="list-style-type: none"><li>• Scalars and vectors</li><li>• Units and symbols</li><li>• Measuring length, time, temperature and force</li></ul>	New Coordinated Science: Physics for Higher Tier by Stephen Pople
<b>Forces and Motion</b>	<ul style="list-style-type: none"><li>• Mathematical problem on speed, velocity and acceleration</li></ul>	New Coordinated Science: Physics for Higher Tier by Stephen Pople

<b>Quarter Two</b>		
<b>Unit title</b>	<b>Content</b>	<b>Chapter (Textbook)</b>
<b>Mass and Weight</b>	<ul style="list-style-type: none"><li>• Mass, weight and density</li><li>• Gravitational fields</li><li>• Measuring 'g'</li><li>• Balanced and unbalanced force</li></ul>	New Coordinated Science: Physics for Higher Tier by Stephen Pople
<b>Work and Energy</b>	<ul style="list-style-type: none"><li>• Energy</li><li>• Work</li><li>• Potential and kinetic energy</li><li>• Energy conversions</li></ul>	New Coordinated Science: Physics for Higher Tier by Stephen Pople