

**First Term: BANGLA**

**Topic:**

**গদ্য:**

- ১| অতিথির স্মৃতি
- ২| শিল্পকলার নানা দিক
- ৩| সুখী মানুষ

**পদ্য:**

- ১| প্রার্থী
- ২| আবার আসিব ফিরে

**উপন্যাস:**

- ১| আগুনের পরশমণি

**ব্যাকরণ :**

- ১| ধ্বনি ও বর্ণ
- ২| সন্ধি বিচ্ছেদ ( স্বরসন্ধি)
- ৩| বাক্য
- ৪| উক্তি পরিবর্তন
- ৫| বিপরীত শব্দ (নির্বাচিত)
- ৬| প্রতিশব্দ (নির্বাচিত)
- ৭| বাগধারা
- ৮| ক্লোজ পরিচ্ছেদ
- ৯| কম্পিউহেন্সন
- ১০| চিঠি

১১| রচনা (সৃজনশীল লেখা)

ঘড়ঃব : প্রয়োজনে সংযোজন ও বিয়োজন হতে পারে।

**Grade 8  
English**

**1. Reading Comprehension**

Resources:

- Secondary English- Units 1, 2, 3, 4
- New Expressway: Units 1, 2, 3, 4

**2. Writer's choice of words: re-reading descriptions**

Resources: Secondary English

**3. Summary writing**

**4. Creative Writing: a. Narrative**

**b. Descriptive**

**5. Response Writing: a. Informal letters**

**b. Dialogue writing**

*\*Please note that where resources are not stated, teacher's resources will be used.*

First Term Syllabus

**General math**

Grade 8

- 
- Chapter 1      **Number:** Arithmetic, Number facts and Sequences, Approximations and estimation, Standard form, Ratio and proportion, Map scale, Percentages, Speed, Distance and time,
- Chapter 2      **Algebra-1:** Formulae, Bracket and Simplifying, Linear Equation of one variable, Problem solved by linear equation, Simultaneous equations, Factorising

**ADDITIONAL MATH:**

Chapter 2:

Simultaneous Equations &

Chapter 3:

Indices, Surds and Logarithms

**Chemistry grade 8**

**Session 2017 – 2018**

**Term 1**

Textbook: Complete Chemistry for Cambridge IGCSE

<b>Sl. No.</b>	<b>Chapter No.</b>	<b>Name of the chapter</b>	<b>Topic</b>
<b>1</b>	Chap: 1 Pg 6-12	The state of matter	Topic 1.1- Everything is made of particles Topic 1.2- Solids, liquids, and gases Topic 1.3- The particles in solids, liquids, and gases Topic 1.4- A closer look at gases
<b>2</b>	Chap-2 Pg 16-24	Separating substances	Topic 2.1- Mixtures, solutions, and solvents Topic 2.2- Pure substances and impurities Topic 2.3- Separation methods (part I) Topic 2.4- Separation methods (part II) Topic 2.5- More about paper chromatography
<b>3</b>	Chap-3	Atoms and elements	Topic 3.1- Atoms and elements

	Pg 30-42		<p>Topic 3.2- More about atoms</p> <p>Topic 3.3- Isotopes and radioactivity</p> <p>Topic 3.4- How electrons are arranged</p> <p>Topic 3.5- The metals and non-metals</p>
<b>4</b>	<p>Chap-4</p> <p>Pg 46-62</p>	Atoms combining	<p>Topic 4.1- Compounds, mixtures, and chemical change</p> <p>Topic 4.2- Why do atoms form bonds?</p> <p>Topic 4.3- The ionic bond</p> <p>Topic 4.4- More about ions</p> <p>Topic 4.5- The covalent bond</p> <p>Topic 4.6- Covalent compounds</p> <p>Topic 4.7- Comparing ionic and covalent compounds</p> <p>Topic 4.8- Giant covalent structures</p> <p>Topic 4.9- The bonding in metals</p>

## **PHYSICS**

### CHAPTER 1 : Making Measurements

- 1.1 Measuring length and volume
- 1.2 Improving precision in measurements
- 1.3 Density
- 1.4 Measuring Time

### CHAPTER 2 : Describing Motion

- 2.1 Understanding Speed
- 2.2 Distance against Time graphs
- 2.3 Understanding Acceleration
- 2.4 Calculating acceleration

CHAPTER 3 : Forces and Motion

3.1 We have lift off

3.2 Force, Mass and Acceleration

3.3 Mass Weight and Gravity

3.4 Falling through the air

3.5 More about Scalars and Vectors

CHAPTER 4: Turning effects of Forces

4.1 The moment of a force

4.2 Calculating moments

4.3 Stability and centre of mass

CHAPTER 5: Forces and Matter

5.1 Forces acting on solids

5.2 Stretching springs

5.3 Hooke's Law

**Syllabus: Biology**

<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Content</b>
<b>Chapter 1:</b>	<b>Classification</b>	<b>Characteristics of living things; Classification; Kingdoms; Viruses and classification of Plants and Animals.</b>

<b>Chapter 2:</b>	<b>Cells</b>	<b>Cell structure and; Cells and organisms.</b>
<b>Chapter 3:</b>	<b>Movement in and out of cells.</b>	<b>Diffusion; osmosis and Active transport</b>
<b>Chapter 4:</b>	<b>The chemicals of life</b>	<b>Carbohydrate; Fats ,proteins; DNA</b>

Syllabus for First Term Exam

Session-2017-18

Grade- VIII

Subject- Accounting

Chapter Number	Name of chapters
1	Introduction to accounting
2	Double entry book-keeping part A
3	The Trial balance

## **Business Studies Syllabus- Grade 8, Term 1.**

### Chapter 1- Business Activity:

The purpose and nature of business activity:

- Concepts of needs, wants, scarcity and opportunity cost
- Importance of specialization
- Purpose of business activity
- The concept of adding value and how added value can be increased

### Chapter 2- Classification of businesses

Business activity in terms of primary, secondary and tertiary sectors:

- Basis of business classification, e.g. by using examples
- Reasons for the changing importance of business classification, e.g. in developed and developing economies

Classify business enterprises between private sector and public sector in a mixed economy

### Chapter 3- Enterprise, Business growth and size

Enterprise and entrepreneurship:

- Characteristics of successful entrepreneurs
- Contents of a business plan and how business plans assist entrepreneurs
- Why and how governments support business start-ups, e.g. grants, training

The methods and problems of measuring business size:

- Methods of measuring business size, e.g. number of people employed, value of output, capital employed (profit is not a method of measuring business size)
- Limitations of methods of measuring business size

Why some businesses grow and others remain small:

- Why the owners of a business may want to expand the business
- Different ways in which businesses can grow
- Problems linked to business growth and how these might be overcome
- Why some businesses remain small

Why some (new or established) businesses fail:

- Causes of business failure, e.g. lack of management skills, changes in the business environment
- Why new businesses are at a greater risk of failing

### Chapter 4- Types of Business Organization

The main features of different forms of business organization:

- Sole traders, partnerships, private and public limited companies, franchises and joint ventures
- Differences between unincorporated businesses and limited companies
- Concepts of risk, ownership and limited liability
- Recommend and justify a suitable form of business organization to owners/management in a given situation
- Business organizations in the public sector, e.g. public corporations

### Chapter 5- Business objectives and stakeholder objectives

Businesses can have several objectives – and the importance of these can change:

- Need for business objectives and the importance of them
- Different business objectives, e.g. survival, growth, profit and market share
- Objectives of social enterprises

The role of stakeholder groups involved in business activity:

- Main internal and external stakeholder groups
- Objectives of different stakeholder groups
- Use examples to illustrate these objectives and how they might conflict

Demonstrate an awareness of the differences in the aims and objectives of private sector and public sector enterprises

### Chapter 6- Motivating workers

The importance of a well-motivated workforce:

- Why people work and what motivation means
- The concept of human needs – Maslow’s hierarchy
- Key motivational theories: Taylor and Herzberg

Methods of motivation:

- Financial and non-financial rewards and methods
- Recommend and justify appropriate method(s) of motivation in given circumstances

### Chapter 7- Organization and Management

Draw, interpret and understand simple organizational charts:

- Simple hierarchical structures: span of control, hierarchy, chain of command and delegation
- Roles, responsibilities and inter-relationships between people in organizations

The role of management:

- Functions of management – planning, organizing, coordinating, commanding and controlling
- Importance of delegation; trust versus control

Leadership styles:

- Features of the main leadership styles – autocratic, democratic and laissez-faire
- Recommend and justify an appropriate leadership style in given circumstances

Trade unions:

- What a trade union is and the benefits of workers being union members

### Chapter 8- Recruitment, selection and training of workers

The methods of recruiting and selecting workers:

- Recruitment and selection
- Difference between internal and external recruitment
- Main stages in recruitment and selection of staff
- Benefits and limitations of part-time and full-time workers

The importance of training and the methods of training:

- Importance of training to a business and workers
- Benefits and limitations of induction training, on-the-job training and off-the-job training

Why reducing the size of the workforce might be necessary:

- Difference between dismissal and redundancy with examples to illustrate the difference
- Understand situations in which downsizing the workforce might be necessary, e.g. automation or reduced demand for products
- Recommend and justify which workers to recruit/make redundant in given circumstances

Legal controls over employment issues and their impact on employers and employees:

- Legal controls over employment contracts, unfair dismissal, discrimination, health and safety, legal minimum wage

Chapter 9- Internal and external communication

Why effective communication is important and the methods used to achieve it:

- Effective communication and its importance to business
- Benefits and limitations of different communication methods including those based on information technology (IT)
- Recommend and justify which communication method to use in given circumstances

Demonstrate an awareness of communication barriers:

- How communication barriers arise and problems of ineffective communication; how communication barriers can be reduced or removed

Chapter 10- Marketing, competition and the customer

The role of marketing:

- Identifying customer needs
- Satisfying customer needs
- Maintaining customer loyalty; building customer relationships

Market changes:

- Why customer/consumer spending patterns may change
- The power and importance of changing customer needs
- Why some markets have become more competitive
- How business can respond to changing spending patterns and increased competition

Concepts of niche marketing and mass marketing:

- Benefits and limitations of each approach to marketing

How and why market segmentation is undertaken:

- How markets can be segmented, e.g. according to age, socio-economic grouping, location, gender
- Potential benefits of segmentation to business
- Recommend and justify an appropriate method of segmentation in given circumstances

**Grade 8 Economics Syllabus: 1<sup>st</sup> Term**

<b>Chapter /Unit</b>	<b>Chapter name</b>
<b>Unit 1</b>	<b>Scarcity</b>
<b>Unit 2</b>	<b>Factors of Production</b>
<b>Unit 3</b>	<b>Opportunity cost</b>
<b>Unit 4</b>	<b>Market and Mixed Economics</b>

<b>Unit 5</b>	<b>Equilibrium price</b>
<b>Unit6</b>	<b>Changes in Demand</b>
<b>Unit7</b>	<b>Changes in Supply</b>
<b>Unit 8</b>	<b>Price Elasticity of Demand</b>
<b>Unit 9</b>	<b>Price Elasticity of Supply</b>

**Text book: Cambridge IGCSE Economics – Susan Grant**

### **Syllabus Commerce (1<sup>st</sup> Term)**

#### **1 PRODUCTION**

##### 1.1 The chain of production:

- define the term production • show understanding of the production of goods and services to satisfy human wants and needs

##### 1.2 Primary (extractive) industries, secondary (manufacturing and construction) industries and tertiary activities (commercial services and direct services):

- describe these types of industries and activities with examples • explain how people working in primary industries, secondary industries and tertiary activities are part of production • discuss the relative importance of each type of industry within a country

##### 1.3 Specialisation and division of labour:

- explain the terms specialisation and division of labour • describe the different forms of specialisation by: country, region, town, firm, factory, individual • discuss the advantages and disadvantages of division of labour to a manufacturer and a worker

##### 1.4 Commerce:

- define the terms trade and commerce showing the differences between them • discuss how distribution assists commercial activity • explain the nature, purposes and importance of trade, both at home and overseas • discuss how advertising, communications, transport, warehousing, insurance, banking and finance help trade to function • evaluate the extent to which businesses are involved in trade and/or commerce

##### 1.5 The relationship between industry, commerce and direct services:

- discuss ways in which industry, commerce and direct services are inter-related and interdependent

## **2 RETAIL TRADE**

### 2.1 The role of the retailer in the chain of distribution:

- identify functions of the retailer as the middleman between manufacturer and consumer
- evaluate possible responses to changes in customer requirements and expectations

### 2.2 Types of retailer:

- describe the characteristics of different types of retailer, including: large and small (hypermarkets, supermarkets, multiples, department stores, speciality shops, unit/independent retailers, street markets)
- discuss the advantages and disadvantages of each type of retailer

### 2.3 Large-scale and small-scale retailing:

- discuss the advantages and disadvantages of large-scale retailing
- discuss the effects of large-scale retailers on wholesalers, other retailers and consumers
- explain why the small-scale retailer often survives, including: personal service, opening hours, additional services provided

### 2.4 Selling techniques and methods and the implications of e-commerce:

- discuss the importance, advantages and disadvantages of selling techniques, including: branding, own brands, logos, packaging, self-service, after-sales service, barcoding, Electronic Point of Sale (EPoS), direct mail, factory outlets, shopping centres and internet auctions
- describe the use of computers to aid retailing
- describe characteristics of mail order, telesales, television shopping, online shopping (e-tailing) and discuss the advantages and disadvantages to retailers and consumers of these methods of selling
- evaluate the likely implications for retail outlets and consumers of the growth of online shopping and e-commerce

### 2.5 Trends in retailing:

- describe trends in retailing, including: omnichannel retailing, self-service check-outs, development of loyalty programmes, virtual retailing, mobile retailing (m-commerce), shopping anywhere/anytime

## **3 Consumer Credit**

### 3.1 Use of credit:

- outline the concept of credit
- analyse reasons for the increased use of credit
- discuss the advantages and disadvantages of credit to the buyer and the seller

### 3.2 Types of credit:

- 3.2.1 Hire purchase • identify main features
- discuss advantages and disadvantages to consumers and retailers
- explain how the finance of hire purchase operates compared with extended credit

3.2.2 Extended credit (deferred payments) • identify main features • discuss advantages and disadvantages to consumers and retailers

3.2.3 Store cards • identify main features • discuss advantages and disadvantages to consumers and retailers

3.2.4 Credit cards • identify main features • discuss advantages and disadvantages to consumers and retailers

3.2.5 Informal credit • identify main features • discuss advantages and disadvantages to consumers and retailers

3.3 Suitability of different types of credit • evaluate the suitability of different methods of credit in given situations (including calculations of the cost associated with different methods of credit)

## **ENVIRONMENTAL MANAGEMENT**

**Session: 2017-2018**

**GRADE: VIII**

<b>Terms</b>	<b>Chapter</b>	<b>Content</b>
<b>First Term</b>	The Lithosphere	<ul style="list-style-type: none"><li>● The Earth, its rocks and mineral</li><li>● Impacts of exploiting mineral and environmental conservation</li><li>● Fossil fuels as sources of energy</li><li>● Alternative energy sources and other conservation strategies</li></ul>
	The Hydrosphere	<ul style="list-style-type: none"><li>● The water cycle and water availability</li><li>● Uses of fresh water and water supply</li><li>● Flooding and drought: causes and effects</li><li>● Water pollution: causes, consequences and improvements</li><li>● Water-related diseases</li></ul>

**BANGLADESH STUDIES:**

	Paper	Topic		
Term-1	Paper 1: History and Culture of Bangladesh	<p><b>Topic 1: The Culture and Heritage of Bangladesh</b></p> <p><b>1 (a) Influence of major cultural figures</b></p> <table border="1"> <tr> <td> <ul style="list-style-type: none"> <li>• <u>Alaol</u></li> <li>• <u>Mir Mosharraf Hossain</u></li> <li>• <u>Kazi Nazrul Islam</u></li> <li>• <u>Jasimuddin</u></li> </ul> </td> <td> <ul style="list-style-type: none"> <li>• <u>Begum Rokeya</u></li> <li>• <u>Lalon Shah</u></li> <li>• <u>Rabindranath Tagore</u></li> <li>• <u>Zainul Abedin.</u></li> </ul> </td> </tr> </table> <p><b>1 (b) General background</b></p> <ul style="list-style-type: none"> <li>• the emergence and development of Bengali language, literature, art and architecture from the ancient and medieval periods onwards</li> <li>• the particular contributions of different periods, such as the pre-Islamic, Sultanate, Mughal, British colonial and the post-1947 Language Movement on different aspects of the culture of contemporary Bangladesh</li> <li>• the importance of folk culture and other cultural practices in shaping the culture of Bangladesh</li> <li>• general understanding of the contributions made by some of the following: <u>Farrukh Ahmed</u>; <u>Abbas Uddin Ahmed</u>; <u>Munir Chowdhury</u>; <u>Michael Madhusudan Dutta</u>; <u>Jibananda Das</u>; <u>Ahsan Habib</u>; <u>Sufa Kamal</u>; <u>Hasan Raja</u>; <u>Zahir Raihan</u>; <u>Muhammad Shahidullah</u>; <u>S.M. Sultan.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Alaol</u></li> <li>• <u>Mir Mosharraf Hossain</u></li> <li>• <u>Kazi Nazrul Islam</u></li> <li>• <u>Jasimuddin</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Begum Rokeya</u></li> <li>• <u>Lalon Shah</u></li> <li>• <u>Rabindranath Tagore</u></li> <li>• <u>Zainul Abedin.</u></li> </ul>
		<ul style="list-style-type: none"> <li>• <u>Alaol</u></li> <li>• <u>Mir Mosharraf Hossain</u></li> <li>• <u>Kazi Nazrul Islam</u></li> <li>• <u>Jasimuddin</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Begum Rokeya</u></li> <li>• <u>Lalon Shah</u></li> <li>• <u>Rabindranath Tagore</u></li> <li>• <u>Zainul Abedin.</u></li> </ul>	

<b>Paper 2: Environment and Development of Bangladesh</b>	<b>Topic 1: Physical Features</b>	<b>1 (a) Natural topography</b> • location and characteristics of the main landforms: uplands, hills, flood plains, deltaic plains and coastal plains
		<b>1 (b) Drainage system</b> • names and locations of the main rivers: <u>Jamuna-Brahmaputra</u> , <u>Padma</u> , <u>Meghna</u> , <u>Tista</u> and <u>Karnaphuli</u> • characteristics and formation of the main features of these rivers: flood plains, meanders, braiding, ox-bow lakes, deltas
	<b>Topic 2: Climate</b>	<b>2 (a) Characteristics of tropical monsoon climate</b> • temperature, rainfall, seasonal variation
		<b>2 (b) Factors which contribute to monsoon, depression and thunderstorm rainfall, as well as cyclones</b>

French Language Syllabus

Senior Section ( Grade VIII ) Session 2017 - 2018

**Book** – *Alex et Zoé et Compagnie* ( Méthode de français & Cahier d’activités )

by *Colette Samson*

**First Term Syllabus :**

- 1) Importance et influence de la langue française [ Importance & influence of French Language ]
- 2) Unité 8 , Qu’est-ce que tu sais faire ? [ Chapter 8 , What do you know to do ? ]
- 3) Unité 9 , Qu’est-ce que tu mets aujourd’hui ? [ Chapter 9 , What are you wearing today ? ]
- 4) Les nombres ( 51 - 70 ) [ The numbers 51 - 70 ]
- 5) Les noms de 10 animaux [ 10 animals name ]
- 6) Conjugaison de < Avoir > , < Être > & < ER > verbes [ Conjugation of the Verbs “ To Have” , “ To Be” & les verbes “ ER ” ]