

## Syllabus

### Final Term

Session: 2022-2023

Grade-8

## Bangla:

বইঃ সাহিত্য কণিকা	লক্ষ্য:
<p>বিষয় সমূহ:</p> <p><u>গদ্য</u></p> <p>১) তৈলচিত্রের ভূত</p> <p>২) শিল্পকলার নানাদিক</p> <p>৩) পড়ে পাওয়া</p> <p><u>ব্যাকরণ :</u></p> <p>১) বিপরীত শব্দ(নির্বাচিত)</p> <p>২) প্রতিশব্দ(নির্বাচিত)</p> <p>৩) বাগধারা(নির্বাচিত)</p> <p>৪) সন্ধি</p> <p>৫) কম্প্রিহেনশন</p> <p>৬) বাক্য</p> <p>৭) চিঠি</p> <p>৮) রচনা (সৃজনশীল লেখা)</p> <p>৯) সহায়ক পাঠ</p>	<p>নির্বাচিত গল্প ও কবিতা থেকে যা শিখবে:</p> <p>১) শব্দার্থ</p> <p>২) বহু নির্বাচনী প্রশ্ন</p> <p>৩) ব্যাখ্যা</p> <p>৪) গল্প থেকে প্রশ্নোত্তর</p> <p>৫) গল্প-পঠন পরীক্ষা</p> <p>৬) লেখক পরিচিতি</p> <p>৭) গল্পের মূল বিষয়</p> <p>৮) গল্প বলা/লেখা</p> <p>৯) দলীয় কাজ(প্রকল্প আকারে)</p>
<p><b>Note:</b> প্রয়োজনে সংযোজন ও বিয়োজন হতে পারে।</p>	

## English

Topic/Title	Chapter/Page/Unit	Book/Resource
Making choices	Unit 6	Cambridge Checkpoint English Coursebook 9 and Workbook 9
Caring and sharing	Unit 8	
Crime and law	Unit 9	
All in a day's work	Unit 10	
Wings and wheels	Unit 11	
Seeing things differently	Unit 12	
Listen up	Unit 4	Cambridge Grammar and Writing Skills Learner's Book 9
More than a play	Unit 7	
Making yourself heard	Unit 8	
Writing about poetry	Unit 9	
Family journeys-descriptive writing	Unit 10	
Finding Freedom-Third person narrative	Unit 12	
Language, poem & writer's technique Practice	Units 8-16(selected pieces will be taught)	Secondary English Book 4
Open-ended questions on characters, plot, and theme.	Chapters 59-94	Life of Pi by Yann Martel
Writer's Techniques Worksheet	Worksheets/Handouts	Teacher's Resources
Question Paper Pattern	<ul style="list-style-type: none"> <li>• <b>Section A: Reading-25 marks</b></li> <li>• <b>Section B: Writing- 25 marks</b> <ul style="list-style-type: none"> <li>○ Writing: Narrative, Descriptive and Argumentative Essays.</li> </ul> </li> </ul> <p><b>Word limit:</b> 250-300 words</p>	

## **Comprehensive Syllabus: Maths**

**Book: Cambridge Checkpoint Mathematics Coursebook 9**

- Factorisation - Worksheet will be given

Chapter 5: Shapes - Review

Chapter 6: Planning and collecting data - Review

Chapter- 8 : Constructions and Pythagoras' - Review

Chapter-10: Processing and presenting data -Review

Chapter-11: Percentages – Review

Chap-12: Tessellation and transformations

Chap – 15 : Area perimeter and volume – Review

Chap- 16 : Probability – Review

### **Revision:**

#### **From First Term Syllabus**

Chapter 9: Expressions and formulae ( Ex- 9.4)

Chapter 1: Integers, powers and roots( Review)

Chapter 2: Sequences and functions ( Review )

Chapter 3 : Place value, ordering and rounding( Review)

Chapter 17: Bearings and scales drawing

Chapter 18: Graphs ( Ex-18.4, Ex-18.5, Ex-18.6)

Chapter 19: Interpreting and discussing results( Ex-19.1, 19.2, 19.3, 19.4, 19.5)

#### **From Mid Term Syllabus**

Chapter 18: Graphs ( Ex- 18.5, Ex-18.6)

- Continue Chapter 19: Interpreting and discussing results

Chapter- 4: Length, mass, capacity and time – Review

Chapter-7: Fractions -Review

Chapter-13: Equation and Inequalities – Review

Chap-14: Ratio and proportion – Review

## Comprehensive Syllabus: Science

### Biology

#### Topic-1: Photosynthesis and the carbon cycle.

- Photosynthesis
- The carbon cycle
- Climate change

#### Topic-2: Maintaining life

- Plants and water
- Transpiration
- Excretion in humans
- Keeping a fetus healthy

#### Topic-3: Genes and Inheritance

- Chromosomes, genes and DNA
- Gametes and inheritance
- Variation
- Natural selection

### Chemistry

#### Topic-1: Properties of materials

- Atomic structure and the periodic table
- Trends in groups within the periodic table
- Why elements react to form compounds
- Simple and giant structures

#### Topic-2: Reactivity

- Reactivity and displacement reactions
- Using the reactivity series and displacement reactions
- Salts
- Other ways of making salts
- Rearranging atoms

#### Topic-3: Rates of reaction

- Measuring the rate of reaction
- Surface area and the rate of reaction
- Temperature and the rate of reaction
- Concentration and the rate of reaction

## Physics

### Topic-1: Forces and energy

- Density
- Heat and temperature
- Conservation of energy
- Moving from hot to cold
- Ways of transferring thermal energy
- Cooling by evaporation

### Topic-2: Sound and space

- Loudness and pitch of sound
- Interference of sound
- Formation of the moon
- Nebulae
- Tectonics

### Topic-3: Electricity

- Parallel circuits
- Current and voltage in parallel circuits
- Resistance
- Practical circuits

## French:

***(No academic book ; syllabus is prepared keeping in view Cambridge's IGCSE syllabus 0520).***

## Sujets

1. La famille et les période de la vie
2. La description physique
3. Les activités quotidiennes
4. La maison – le logement
5. Les vêtements – la mode

## Grammaire:

°L'article défini, indéfini, partitif etc.

°Les phrases: affirmative, négative, interrogative etc.

## Production Orale:

°Jeu de rôle ( les élèves participent à jouer des rôles sur différents sujets qu'ils apprennent au fur et à mesure)

**COMPUTER SCIENCE (CS)**  
**SYLLABUS GRADE-8**  
 FINAL TERM  
 SESSION: 2022-2023

<b>Resources:</b> Text Book CLICK START8 <a href="https://www.w3schools.com/HTML">https://www.w3schools.com/HTML</a> Revised Edition 2020	
<b>CHAPTER</b>	
<p><b>1. Chapter-4: Frames in HTML</b></p> <ul style="list-style-type: none"> <li>➤ Frames</li> <li>➤ Frameset tag</li> <li>➤ &lt;FRAMESET&gt;</li> <li>➤ Frame tag</li> <li>➤ &lt;FRAME&gt;</li> <li>➤ Nested frameset</li> </ul> <p><b>2. Chapter-5: JavaScript in HTML documents</b></p> <ul style="list-style-type: none"> <li>➤ JavaScript</li> <li>➤ Importance of JavaScript</li> <li>➤ Writing a JavaScript program</li> <li>➤ Using external JavaScript file</li> <li>➤ The object model in JavaScript</li> <li>➤ Document. Write() method</li> <li>➤ JavaScript variables</li> <li>➤ JavaScript operators</li> <li>➤ Methods for window object</li> <li>➤ parseInt() and parseFloat() methods</li> </ul> <p><b>3. Chapter-6: HTML 5 -Introduction</b></p> <ul style="list-style-type: none"> <li>➤ New features in HTML5</li> <li>➤ Backward compatibility</li> <li>➤ Points to remember for writing HTML5 codes</li> <li>➤ Tags in HTML5</li> <li>➤ Attributes in HTML5</li> <li>➤ Inserting pictures</li> <li>➤ Inserting audio and video files</li> </ul>	<p><b>4. Chapter-10: Virus and Anti-Virus</b></p> <ul style="list-style-type: none"> <li>➤ Computer virus</li> <li>➤ What a virus cannot do</li> <li>➤ How does a computer virus spread</li> <li>➤ Types of computer viruses</li> <li>➤ Other harmful programs</li> <li>➤ Protection against computer viruses</li> </ul> <p><b>5. Chapter-11: Troubleshooting</b></p> <ul style="list-style-type: none"> <li>➤ Computer troubleshooting</li> <li>➤ Why computer maintenance is important</li> <li>➤ Areas of troubleshoot</li> <li>➤ Steps of troubleshooting</li> </ul> <p><b>Some common problems and their troubleshooting</b></p>
<p><b><u>QUESTION PAPER PATTERN</u></b></p> <p>F/B, T/F, ONE WORD ANSWER, TECHNICAL TERMS/TECH WORDS, FULL FORMS, DRAWING/DIAGRAM/DEVICES, SHORT QUESTIONS etc.</p> <p><b>Note:</b> Must have an idea on computer terminology.</p>	
<p><b><u>TYPE OF ASSESSMENT</u></b></p> <p><b><u>THEORY ASSESSMENT</u></b></p> <ol style="list-style-type: none"> <li>1. Chapter wise exercise solving (MCQ, Fill in the blanks, True-False, Matching, one-word Answer, etc.)</li> <li>2. Chapter wise question answer solving</li> <li>3. Assignment and Class Test (Google Form) Class Performance</li> </ol> <p><b><u>PRACTICAL ASSESSMENT</u></b></p> <ol style="list-style-type: none"> <li>1. HTML Tags (Using Text Editor- Notepad)</li> <li>2. Project and activities (group presentation)</li> </ol>	

**GP**

Topic	Skill focus	Stage	Learning objectives
Law and Criminality (Feeling Safe)	Reflection	Stage-9	<b>Collaboration-</b> The team assign roles and tasks with an appropriate rationale and respond flexibly when required to help each other achieve a shared outcome. <b>Reflection-</b> Identify skills learned or improved during an activity and consider strategies for further development.
Disease and Health (Can disease be prevented?)	Research	Stage-9	<b>Research-</b> Construct a range of relevant questions and identify the most appropriate one to follow up. Identify and accurately reference a wide range of print and multimedia sources and use them to locate relevant information and answer research questions. <b>Collaboration-</b> The team assign roles and tasks with an appropriate rationale and respond flexibility when required to help each other achieve a shared outcome.

**Global Perspectives assessment process-** Assessment will be based on Class activities, worksheet, PowerPoint Presentation, Report writing, Research work, Poster making, questionnaire survey, Research Paper.

## **Bangladesh Studies**

### Bangladesh Studies (Paper: 1)

Topic
Topic 2 (d) The rule of the independent sultans
Topic 3(a) The establishment of the Mughal Empire in India and its expansion into Bengal Aurangzeb & the reason behind his declination

### Bangladesh Studies (Paper: 2)

Topic
2(c): The challenges produced by weather- Cyclone, drought
3(a): Forests and Biomass
2(b): Climate change

## **Accounting**

Book: Cambridge IGCSE and O Level Accounting Course book Second Edition / Hand out

1. Introduction to accounting
2. Double entry book-keeping
3. The Trial balance

### **Question Pattern:**

MCQ, Short questions, Structured questions