

GRADE 9

Final Term Syllabus

2016-2017

Subject	Topics
English	<p>Paper-2:</p> <ol style="list-style-type: none"> 1. Re-reading Descriptions (Commenting on Writer's Choice of Language) 2. Summary Writing <p>Paper-3:</p> <p>Response Writing-</p> <ol style="list-style-type: none"> 1. Speech Writing 2. Diary entry 3. Dialogue <p>Continuous Writing-</p> <ol style="list-style-type: none"> 1. Descriptive Writing 2. Narrative Writing <p>Resources:</p> <ul style="list-style-type: none"> ☐ Cambridge IGCSE First Language English - Coursebook and Workbook ☐ Past Papers • Teachers Handouts
Bangla	<p>wefvM-K</p> <p>1. Separation/Combination of Words mwÜwe†"Q`/mwÜ(m`imwÜ,e"ÄbmwÜ,wemM©mwÜ)</p> <p>2. Idioms, Proverbs and Words in Pairs বাগধারা, প্রবচন এবং জোড়াশব্দ</p> <p>3 Sentence Transformation বাক্য রূপান্তর</p> <p>4. Cloze passage (ex Aby†"Q`)</p> <p>Section – B</p>

	<p style="text-align: center;"><u>wefvM-L</u></p> <p>5 MCQ Comprehension বোধজ্ঞানের বহুবিকল্প প্রশ্ন</p> <p>6 OE Comprehension বোধজ্ঞানের মুক্ত প্রশ্ন</p> <p>C7 Vocabulary শব্দার্থ</p> <p>SECTION – C</p> <hr/> <p>wefvM-M</p> <p>Report, Dialogue or Speech</p> <p>প্রতিবেদন, কথোপকথন বা ভাষণ</p> <p>A_ev Essay</p> <p>রচনা</p>																	
Extended Maths	<p>(a) Combined Transformation (b) Statistics and Probability (c) Algebra-1 (d) Mensuration (e) Geometry</p>																	
Additional Maths	<p style="text-align: center;">Grade: 9 Additional Mathematics Book: New Additional Mathematics By: Ho Soo Thong Khor Nyak Hiong Chapter</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Names of Topics</th> <th style="text-align: left;">Exercises</th> <th style="text-align: left;">Contents</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="vertical-align: top;">14</td> <td>14.1</td> <td>The Binomial Expansion of $(1+b)^n$</td> </tr> <tr> <td>14.2</td> <td>The Binomial Expansion of $(a+b)^n$</td> </tr> <tr> <td></td> <td>Miscellaneous Exercise 14</td> </tr> <tr> <td rowspan="3" style="vertical-align: top;">15</td> <td></td> <td style="text-align: center;">Differentiation and Its Technique</td> </tr> <tr> <td>15.1</td> <td>The Gradient of Functions</td> </tr> <tr> <td>15.2</td> <td>Functions of a Functions (Composite Functions)</td> </tr> </tbody> </table>	Names of Topics	Exercises	Contents	14	14.1	The Binomial Expansion of $(1+b)^n$	14.2	The Binomial Expansion of $(a+b)^n$		Miscellaneous Exercise 14	15		Differentiation and Its Technique	15.1	The Gradient of Functions	15.2	Functions of a Functions (Composite Functions)
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	<p>15.3 Product of two Functions</p> <p>15.4 Quotient of Two Functions</p> <p>15.5 Equations of Tangent & Normal Miscellaneous Exercise 15</p> <p>16 Rates of Change</p> <p>16.1 Constant Rate and Variable Rate of Change</p> <p>16.2 Related Rates of Change</p> <p>16.3 Small Changes Miscellaneous Exercise 16</p> <p>17 Higher Derivatives and Applications</p> <p>17.1 Determination of Maximum and Minimum Points</p> <p>17.2 Maximum and Minimum Points</p> <p>17.3 Maximum and Minimum Values Miscellaneous Exercise 17</p> <p>18 Derivatives of Trigonometric Functions</p> <p>18.1 Determination of Trigonometric Functions Miscellaneous Exercise 18</p> <p>19 Exponential and Logarithmic Functions</p> <p>19.1 Exponential Functions</p> <p>19.2 Logarithmic Functions Miscellaneous Exercise 19</p> <p>20 Integration</p> <p>20.1 Integration as the Reverse Process of Differentiation and Indefinite Integrals</p> <p>20.2 Definite Integrals</p> <p>20.3 Integration of Trigonometric Functions</p> <p>20.4 Integration of Exponential Functions Miscellaneous Exercise 20</p>
<i>ICT</i>	<p>Book: Cambridge IGCSE ICT 2nd Edition</p> <p>Chapter 1: Types and components of a computer system</p> <p>Chapter 2: Input and Output devices</p> <p>Chapter 3: Storage devices and media.</p> <p>Chapter 9: Audiences</p> <p>Chapter 10: Communication</p> <p>Chapter 20: Data Analysis</p> <p>Chapter 18: Data Manipulation</p> <p>Chapter 21: Website authoring</p> <p>Question Pattern:</p> <p>F/B, T/F, One Word Answer, Full Forms, Drawing Diagrams/devices, Short question, Broad Question, Code, Excel functions, Queries</p>
Physics	Chapters from the book Cambridge IGCSE Physics Coursebook by David Sang

	<p>18 Electrical Quantities</p> <ul style="list-style-type: none"> 18.1 Current in electrical circuits 18.2 Electrical resistance 18.3 Electricity and energy <p>19 Electric circuits</p> <ul style="list-style-type: none"> 19.1 Circuit components 19.2 Combinations of resistors 19.3 Electronic Circuits 19.4 Electrical safety <p>20 Electromagnetic forces</p> <ul style="list-style-type: none"> 20.1 The magnetic effect of a current 20.2 How electric motors are constructed 20.3 Force on a current carrying conducto
Biology	<p>Chapter 7: Animal nutrition</p> <p>Chapter 8: Transport in plants</p> <p>Chapter 9: Transport in animals</p> <p>Chapter 10: Pathogen and immunity</p> <p>Chapter 11: Respiration and gas exchange</p> <p>Chapter 12: Excretion</p> <p>Chapter 18: Inheritance</p> <p>Chapter 19: Variation and natural selection</p> <p>Chapter 20: Organisms and their environment</p> <p>Chapter 21: Biotechnology</p>
Chemistry	<p>Text Book - Roger Norris (Essential Chemistry for Cambridge IGCSE)</p> <p>Unit 1 - Particles and purification</p> <p>Unit 2 - Atoms, elements and compounds</p> <p>Unit 3 - Structure and bonding</p> <p>Unit 4 - Formulae and Equations</p> <p>Unit 5 - Chemical calculations</p> <p>Unit 6 - Electricity and chemistry</p> <p>Unit 7 - Chemical changes</p> <p>Unit 9 - Chemical reactions</p> <p>Unit 10 - Acids and bases</p> <p>Unit 11 - ONLY 11.5 Testing for Cations 11.6 Testing for Anions</p> <p>Unit 12 - Periodic table</p> <p>Unit 13 - Metals and reactivity</p> <p>Unit 14 - Metal extraction</p> <p>Unit 15 - Air and water</p> <p>Unit 16 - The chemical industry</p>
Economics	<p>Unit-36 Consumer Prices Index</p>

	<p>Unit-37 Causes and consequences of Inflation and Deflation</p> <p>Unit-40 GDP and Economic Growth</p> <p>Unit-41 Living Standards</p> <p>Unit-42 Different Stages of Development</p> <p>Unit-43 Inequality and Poverty</p> <p>Unit-44 Population Growth</p> <p>Unit-45 The Effects of Changes in Population</p> <p>Unit-46 Problems of Development</p>
Accounting	<p>14 Bank Reconciliation Statement</p> <p>15 Journal Entries and Correction of Errors</p> <p>18 Accounts of Clubs and Societies</p> <p>Notes: Revision on all First Term and Mid Term's Chapters.</p>
Business Studies	<p>Section 2 : People in Business (Chapter-6,6,7,8,9)</p> <p>Section 4 : Operations management (Chapter-17,18,19,20)</p> <p>Section 5 : Financial information and financial decisions (Chapter- 21,22,23,24,25)</p> <p>Section 6 : External influences on business activity (Chapter- 26,27,28)</p>