

Don Bosco School, Bandel

P.O. & Dist. Hooghly - 712 103



SYLLABUS - 2020-21

CLASS - 8

Name : _____

Class : _____ Section : _____

MORAL SCIENCE

Chapter & Topic

1. Be in Control
2. A Good Sportsman
3. Finding Solutions
4. Solidarity of Mankind
5. Be Self-Reliant
6. Be Positive
7. Purity in Public Life
8. Practise Non-Violence
9. Say No to Temptations
10. Save the Environment
11. Everyone is Equal
12. Universal Truth

CATECHISM

Chapter & Topic

- | | |
|-----------|--|
| 1 and 2 | The Birth of the Church
The Church begins to grow |
| 3 and 4 | Church freed from Jews Past
The Missionary Spirit of the Apostles |
| 5 and 6 | Characteristics of the early Church
The Purpose of the Church |
| 7 | Some Biblical images of the church |
| 8 and 9 | Four Characteristics of the Church
The People of God |
| 10 and 11 | The duties of the people of God
Leaders appointed by Christ |
| 12 | The Successors of the college of apostles |
| 13 and 14 | The Laity
The Missionary Church |

ENGLISH LANGUAGE

(Revised Syllabus)

Books- 1. Grammar Gear-8 (Cambridge)

2. Grafalco Comprehension Path-8

Sl. No. Learning Skills Chapter / Topics

1	Writing:	<ul style="list-style-type: none">● Descriptive Composition
2	Grammar:	<ul style="list-style-type: none">● Tenses - Simple, Continuous, Perfect
3	Writing:	<ul style="list-style-type: none">● Informal letter writing to friends and relatives
4	Grammar:	<ul style="list-style-type: none">● Phrases and Clauses and their functions [Chapter 1 & 2]● Determiners [Chapter 5]
5	Grammar:	<ul style="list-style-type: none">● Transformation of sentences I: Simple, Complex, Compound sentences [Chapter 17]
6	Writing:	<ul style="list-style-type: none">● Comprehension and Summary writing
7	Writing:	<ul style="list-style-type: none">● Notice writing
8	Reading and Writing:	<ul style="list-style-type: none">● Comprehension [Reading of literary and non literary texts for comprehension and summary writing]
9	Writing:	<ul style="list-style-type: none">● Narrative Composition
10	Grammar:	<ul style="list-style-type: none">● Transformation of sentences II: [Chapters 15 & 24]
11	Vocabulary:	<ul style="list-style-type: none">● Use of phrases, idioms, figures of speech in context [Chapter 25]
12	Writing:	<ul style="list-style-type: none">● Formal letter to Teacher, Principal and Editor
13	Writing:	<ul style="list-style-type: none">● Message Writing
14	Writing:	<ul style="list-style-type: none">● Dialogue Writing
15	Grammar:	<ul style="list-style-type: none">● Prepositions [Chapter 14]
16	Writing:	<ul style="list-style-type: none">● Guided writing with writing prompts (reports and stories)
17	Writing:	<ul style="list-style-type: none">● Argumentative composition
18	Writing:	<ul style="list-style-type: none">● Personal narrative
19	Reading, Listening and Speaking:	<ul style="list-style-type: none">● Aural comprehension [story / poem / song / prose]● Speech, debate, Group discussion (listen and comprehend issues / topics raised in spoken texts)

- Newspapers, TV and advertisements analysis
 - Book Review [Evaluation and analysis of books: read from the point of view of plot construction, characterization, theme, setting etc.]
- Activity:
- Story telling
 - Poster Making

ENGLISH LITERATURE (Reduced Syllabus)

(As per CISCE guidelines)

Name of the Book : New Aster Advanced - 8

Authors : Lalitha Eapen & Tara Chadha

Publisher : Pearson

Ch. No.	Chapter	Author
1	The Shoemaker	Charles Dickens
2	<i>Ode to Autumn</i>	<i>John Keats</i>
3	Thank You, Jeeves	Sir P. G. Wodehouse
4	El-ahrairah and the Black Rabbit of Inle'	Richard Adams
5	<i>Lines Written In Early Spring</i>	<i>William Wordsworth</i>
6	Pride and Prejudice	Jane Austen
7	The Eyes Have It	Ruskin Bond
10	The Twisted Trial	Victor Marie Hugo
12	The Adventure of the Engineer's Thumb	Sir Arthur Ignatius Conan Doyle
13	The Final Victory	Khaled Hosseini
14	<i>The Charge of the Light Brigade</i>	<i>Lord Alfred Tennyson</i>
15	The Hobbit	John Ronald Reuel Tolkien

MATHEMATICS

**Book: ICSE FUNDAMENTALS OF MATHEMATICS
BY ANIL KR. SHARMA**

CHAPTERS

Ch-1 : RATIONAL NUMBERS EXCLUDING NUMBER LINE

Ch-2 : EXPONENTS AND POWERS
EXCLUDING DIVISION METHOD

- Ch-4 : SETS EXCLUDING SUMS ON VENN DIAGRAM
- Ch-6 : TAXES
- Ch-7 : COMPOUND INTEREST
- Ch-8 : DIRECT AND INVERSE VARIATIONS
- Ch-9 : TIME AND WORK-APPLICATION OF DIRECT VARIATION
- Ch-10 : ALGEBRAIC EXPRESSIONS
EXCLUDING IDENTITIES
- Ch-11 : FACTORISATION
- Ch-12 : INEQUALITIES
- Ch-13 : LINEAR EQUATIONS IN ONE VARIABLE ***
- Ch-14 : UNDERSTANDING SHAPES
- Ch-21 : SURFACE AREA AND VOLUME OF 3-D SHAPES
(CYLINDER PORTION ELIMINATED)
- Ch-22 : VOLUME AND CAPACITY OF 3-D SHAPES
(CYLINDER PORTION ELIMINATED)
- Ch-24 : PIE CHARTS

*****Refer to Revised ICSE Council syllabus (2020-21) for details.**

PHYSICS

REVISED SYLLABUS FOR THE YEAR 2020-21

NAME OF BOOK: CONCISE PHYSICS FOR 8

Sl. No.	Ch. No. & Chapter	Topic
1.	1 Matter	Distinguish the three states of matter in terms of movement of particles. Relate the three states of matter with energy of movement of particles in them. Describe the changes of state using kinetic theory: Boiling Melting Evaporation Sublimation Freezing Condensation Deposition

2. 2 Physical Quantities and Measurement
- Measure density of regular solids.
 - Measure density of a liquid.
 - Discuss the concept of floatation based on relative densities of solid and liquid.
 - Express result of measurement in proper unit with proper symbol.
 - Solve simple numerical problems based on formula of density.
 - Compare densities of matter in three states, solid, liquid and gas.
3. 3 Force and Pressure
- Explain the turning effect of a force, with examples from daily life.
 - Define moment of force.
 - Express moment of force in proper units.
 - Define pressure.
 - Express pressure in proper units.
 - Describe pressure exerted by a liquid.
 - Describe pressure exerted by a gas.
 - Describe atmospheric pressure.
4. 4 Energy
- Define work.
 - Express work in proper unit.
 - Define kinetic energy.
 - Express kinetic energy in proper units.
 - Solve simple problems based on kinetic energy.
 - Define potential energy.
 - Define gravitational potential energy.
 - Solve simple problems based on gravitational potential energy.
 - Describe energy transformation in daily life situation.
 - Distinguish between energy and power.
5. 5 Light Energy
- Define refraction.
 - Discuss examples of refraction.
 - Describe a spherical mirror.
 - Describe a concave and a convex mirror.
 - Define the terms, principal axis, centre and radius of curvature, focus and focal length for a spherical mirror.
 - Distinguish between real and virtual images.

- Describe dispersion of white light by a prism into constituent colours.
6. 6 Heat transfer
- Compare and contrast boiling and evaporation.
Describe thermal expansion of matter.
Describe linear, area (superficial) and volume expansion.
Compare expansivity in solids, liquids and gases.
Observe and cite multiple physical phenomena from one experiment.
7. 7 Sound
- Describe sound as a longitudinal wave.
Define the terms-amplitude, time period and frequency.
Relate pitch and frequency.
Understand pitch and frequency in relation to working of musical instruments. (wind, membrane and string.)
Relate loudness and amplitude.
State the unit of loudness in decibels.
8. 8 Electricity
- Identify live wire, neutral wire and earth wire in terms of their energy and path they travel and their colour code.
Describe safety components (fuses, circuit breakers.)
Describe phenomenon of static electricity.
Explain conservation of charges.
Describe conduction and induction of charges.
Describe working of an electroscope.
Describe a lighting conductor.

CHEMISTRY

Chapter & Topic

- 1 Matter
4 Atomic structure
5 Language of chemistry
6 Chemical reactions

- 9 Carbon and its compounds
Only
(Allotropy, allotropes of carbon, crystalline and amorphous allotropes, uses of diamond, graphite, coke, coal, soot, carbon dioxide, physical chemical properties of carbon dioxide, acidic nature, reaction with lime water, properties and uses of carbon monoxide, use as reducing agent, and its harmful properties.)

BIOLOGY

NAME OF THE BOOK : Concise Biology (Middle School)

AUTHOR'S NAME : Dr. K. K. Gupta

PUBLICATION : Selina Publishers Pvt. Ltd.

Sl. No. Chapter and Topic

- 1 Chp 1: Transport in Plants
- 2 Chp2: Reproduction in Plants
- 3 Chp 3: Reproduction in Humans
- 4 Chp 4: Ecosystem
- 5 Chp 5: Endocrine System
- 6 Chp 6: The Circulatory System
- 7 Chp 7: Nervous System

HISTORY & CIVICS

BOOK NAME : MIDDLE SCHOOL HISTORY AND CIVICS

AUTHOR : MOUSHUMI ROY AND PREETI MAITRA

PUBLICATION : FRANK EDUCATIONAL AIDS

CH.	TOPIC	SUB-TOPICS
1	INDIA IN THE 18TH CENTURY	CAUSES OF THE DECLINE OF THE MUGHAL EMPIRE.
2	FOUNDATION OF THE BRITISH EMPIRE(Traders to Rulers)	<ul style="list-style-type: none">• EAST INDIA COMPANY OF BRITAIN (It's advent-a brief mention).• BENGAL:FOUNDATION OF THE BRITISH EMPIRE. BATTLE OF PLASSEY AND BATTLE OF BUXAR: CAUSES AND RESULTS.

7	THE GREAT UPRISING OF 1857	<ul style="list-style-type: none"> • CAUSES OF THE REVOLT OF 1857- POLITICAL, ECONOMIC, SOCIAL AND RELIGIOUS, MILITARY. • IMMEDIATE CAUSE. • THE COURSE OF THE REVOLT (Leaders and spread of uprising). • CONSEQUENCES AND NATURE OF THE REVOLT.
10	A PERIOD OF TRANSITION	<ul style="list-style-type: none"> • THE PERIOD OF TRANSITION- A BASIC UNDERSTANDING. • SOURCES (RENAISSANCE). • THE INDUSTRIAL REVOLUTION - MEANING, REASONS WHY IT BEGAN IN ENGLAND, MAJOR INVENTIONS AND IMPACT OF INDUSTRIAL REVOLUTION. • IMPERIALISM- MEANING, CAUSES AND IMPACT OF IMPERIALISM.
12	THE FRENCH REVOLUTION (1789) (Growth of Nationalism)	<ul style="list-style-type: none"> • CAUSES OF THE FRENCH REVOLUTION. • WAR AGAINST MONARCHY AND INDEPENDENCE(The outbreak). • IMPACT OF THE REVOLUTION. • RISE OF GENERAL NAPOLEON BONAPARTE.
14	LEGISLATURE	THE LOK SABHA AND RAJYA SABHA: COMPOSITION, TERM OF THE HOUSE, ELECTION, QUALIFICATIONS, PRESIDING OFFICER.
15	EXECUTIVE	THE PRESIDENT, VICE-PRESIDENT, PRIME MINISTER AND COUNCIL OF MINISTERS : QUALIFICATIONS, ELECTION.
16	JUDICIARY	THE SUPREME COURT AND HIGH COURT: COMPOSITION, QUALIFICATIONS OF JUDGES, APPOINTMENT.
17	UNITED NATIONS	<ul style="list-style-type: none"> • AIMS AND PRINCIPLES OF THE UNITED NATIONS. • ORGANS OF THE UN: THE GENERAL ASSEMBLY, SECURITY

COUNCIL, THE INTERNATIONAL
COURT OF JUSTICE - FUNCTIONS
ONLY.

• MAJOR AGENCIES OF UNITED
NATIONS: UNESCO, UNICEF, WHO
- FUNCTIONS.

GEOGRAPHY

CH. NO. TOPIC

2	POPULATION
3	MIGRATION
4	URBANIZATION
7	ASIA - LOCATION and PHYSICAL FEATURES
8	ASIA - CLIMATE and NATURAL VEGETATION
9	INDIA LOCATION and PHYSICAL FEATURES

SECOND LANGUAGE (BENGALI)

SAHITYA KATHA (PROSE)

[Book's Name:-Sahitya Katha; Published by Asha Book Agency]

Soishober Sriti

Prachin Bongor Jalajan

Himaloy Bokkhe

Gauri Tewarir Meye

Doi

Dokkhin Meru Abhijan

SAHITYA KATHA (POEM)

[Book's Name:- Sahitya Katha; Published by Asha Book Agency]

Maricher Sworno Mrigo Rup Dharon

Annodar Atmoporichoy

Bangladesh

Jibon Vikkha

Kajla Didi

GRAMMAR [Book's Name:- Bhasa Sopan; Published by Edulight Publications Pvt. Ltd.]

Comprehension

Composition

Letter

Bakko Poriborton

Somarthok Shobdo
Uposorgo
Bagdhara
Suddho Banan

HINDI 2ND LANGUAGE

(REDUCED SYLLABUS)

Name of the books : 1. Vat Vriksha - 8, 2. Vyakaran Vriksha - 8

Chapter / Topic

- T.B-** Ch- 1, 2 AaH Dharti kitna Deti Hai!, Wah Chidia ek Alarm Ghadi thi.
- Vyakaran:- Patra-Lekhan- Aupcharik. Nibandh, Asudha Sabd Sodhan
- T.B-** Ch- 3, 4 Pakshi Rakshak, Nanha Poudha-Gullu.
- Vyakaran:- Introduction Of ICSE Grammar-Vilom, Paryaywachi Shabd Bhavwachak Sangya, Visheshan, Muhawarein & Do as directed. Vakya Pariwartan - Kaal, Vachan, Ling & Vakya Shudhian.
- T.B -** Ch-6, 7, 8. Kotar Aur kutir, Mitrata, Karuna Ki vijay.
- Vyakaran:- Do as directed, Vilom, Paryaywachi Shabd, Visheshan, Bhavwachak Sangya, Muhawarein. Patra-Lekhan.
- T.B-** Ch-9 Tulsidas Ki choupayian.
- Vyakaran:- Patra-Lekhan.ICSE Grammar. Nibandh, Comprehension.
- T.B-** Ch-10 Nach Ka Sansar.
- Vyakaran:- Vakya Pariwartan- Kaal, Vachan, Ling & Vakya Shudhian.
- T.B-** Ch .12 Meri Thai yatra.
- Vyakaran:- Do as directed, Vilom, Paryaywachi Shabd, Visheshan, Bhavwachak Sangya, Muhawarein. Patra-Lekhan. ICSE Grammar. Nibandh, Comprehension.
- T.B-** Ch.15 &16 Baat To Tab Hai, jab Aap Bik jayein...!, Wah desh Kaun -Sa Hai?

3RD LANGUAGE BENGALI

Book Name : - Sanchoyita (Part - 4)

MIDNAPUR BOOK DEPOT (MBD)

- 1 Bidushok (Prose)
- 2 Lichuchor (Poem)
- 3 Chupi Chupi (Poem)
- 4 Pahari Gramer Haat (Prose)

- 5 Kajla Didi (Poem)
- 6 Ashol Kotha (Poem)
- 7 Kolkatar Bhul (Poem)

3RD LANGUAGE HINDI **(REDUCED SYLLABUS)**

Name of the book:- Medha Part-5

Chapter	Topic
Ch.- 1	Jab Honge Bade
Ch.- 2	Adal-Badal
Ch.- 8	Swami Vivekanand
Ch.- 11	Kanto Main Raah Banate Hain
Ch.- 12 &13	Ozone, Sindbaad Ki Yatra
Ch.- 15	Arman
Ch- 16	Mitthu

COMPUTER

Chapter / Topics

Operating System and Graphical User Interface: Role & Functions (Ch-1)

Spreadsheet: Functions & Charts (Ch-2)

Program Coding (Ch-4) Unit I:
Data Types in Java
Program Coding (Ch-4):
Unit II & III
(Simple programs using if else)

Sub-Topics

Introduction, need, functions, features and types of Operating System: definition and examples of single user. Meaning of user interface and its types (CUI, GUI). Introduction to GUI and its advantages.

Method to enter formulae. Meaning of Range, selecting range, naming a range. Cell referencing and its types (relative, absolute, mixed – with examples). Naming, renaming and deleting a sheet from sheet tab. Meaning of Functions. Rules to enter a function like Sum, Average, Max, Min, count, etc. Creating a chart.

Introduction to Program coding/ programming. Components of a program: identifiers, their naming rules. Literals (like integer, real and string).Data types and the need for different data types (like int, char, float,

etc.). Declaration and initialisation of variables. Arithmetic operators (+, -, *, /, %), relational and logical operators. Assignment operator and its use.

App. Development (Ch-5)

Introduction to apps Working of apps. Uses of some commonly known apps. Types of apps: web or online, mobile. Development of simple apps (using any free app development software).

Network (Ch-6)

Definition of Network and its components (sender, receiver, medium). Definition of different types of networks with examples (LAN, MAN, WAN, PAN, CAN). Meaning of various terms related to internet: Intranet, URL, ISP, IP address, DNS, webpage, website, web portal, MODEM, switch, hub, router, gateways, link, hyperlink, hypertext, band width. Introduction to Cloud Computing: characteristics and advantages. Storing and sharing data/information using Cloud Computing.

PHYSICAL EDUCATION (FIELD ACTIVITIES)

TOPICS:

YOGA -	Asana and Surya namaskar.
MEDITATION -	With and without music.
PRANAYAM -	Anulom vilom, Kapalbhathi etc.
EXERCISE -	Aerobic and Stretching.
HANDBALL -	Dribbling, Passing, Catching, Shooting (Verbal explanation of rules and regulations, Audio visual presentation of skills).
VOLLEYBALL -	Service and Passing skills (Verbal explanation of rules and regulations, Audio visual presentation of skills).
BASKETBALL -	Dribbling, Passing, Catching, Shooting (Verbal explanation of rules and regulations, Audio visual presentation of skills).

FOOTBALL - Passing, trapping, skill related games (Verbal explanation of rules and regulations, Audio visual presentation of skills).

CRICKET - Fielding, Batting, Bowling and Games (Verbal explanation of rules and regulations, Audio visual presentation of skills).

Kho Kho- Seating style- Parallel toe method and Bullet toe method, Attacking Style- Single chain and Double chain etc. (Verbal explanation of rules and regulations, Audio visual presentation of skills).
