

ST. FRANCIS XAVIER SCHOOL
ENGLISH LANGUAGE
CLASS IX SCIENCE
SYLLABUS 2021- 2022

UNIT I

Prescribed Textbook: Total English- 9

SL NO.	TOPIC	CONTENTS
	WRITING SKILLS	
1	Comprehension	Unseen
2	Letter Writing	Personal
3	GRAMMAR	Tenses Articles Interchange of Sentences Subject
4	Notice and Email Aural Comprehension	
5	Oral Skills English Language	
6	Assessment Test	
		All portions taught.

HALF YEARLY

Prescribed Textbook: Total English-9

TOPIC	CONTENTS
	WRITING SKILLS
1	Composition Narrative Descriptive Argumentative
2	Letter Writing Formal Informal
3	Comprehension Unseen
4	GRAMMAR Time and Tense I and II Prepositions Joining of sentences Transformation of sentences
5	Project Assignment English oral skill Direct and Indirect Speech Aural Comprehension and
6	Notice and Email Oral Skills test Appropriate portions from the topics taught in unit 1 and half yearly.

UNIT II**ANNUAL**

**Prescribed
Textbook: Total
English-9**

**Prescribed
Textbook: Total
English-9**

SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
	WRITING SKILLS			WRITING SKILLS	
1	Comprehension	Unseen Letters to Newspapers and	1	Composition	Story writing
2	Letter Writing	Apology letters			Argumentative
3	GRAMMAR	Joining of sentences Sequence of Tenses Summary Writing Humourous Writing Synthesis of Sentences Letters of Persuasion			Picture composition Story writing
		All portions taught.	2	Letter Writing	Formal Informal
			3	Comprehension	Unseen
			4	GRAMMAR	Tenses Prepositions
			5	Project Assignment	Joining of sentences Transformation of sentences English oral skill Aural Comprehension
			6	Notice and Email	
					All portions taught.

**ST. FRANCIS XAVIER SCHOOL
ENGLISH LITERATURE
CLASS IX SC.
SYLLABUS 2021-2022**

UNIT I

HALF YEARLY

Prescribed Textbook	Treasure Trove	Prescribed Textbook	Treasure Trove
	Name of the Chapter		Name of the Chapter
	1. Daffodils		1. Bangle Sellers
	2. A Horse and Two Goats		2. Chief Seattle's Speech
			3. Television
			4. Hearts and Hands

Prescribed Textbook	The Merchant of Venice	Prescribed Textbook	The Merchant of Venice
	Act I : Scene I		Act I: Scene III
	Scene II		Act II: Scene I
			Scene II
			Scene III

Project Assignment-With close reference to Act I Scene i of 'The
Submission Date: 15.06.2021

Appropriate portions from the topics
taught in unit 1 and half yearly exam.

All portions taught.

UNIT II

ANNUAL

Prescribed Textbook	Treasure Trove	Prescribed Textbook	Treasure Trove
	Name of the Chapter		Name of the Chapter
	1.The Cold Within		1.Heart of a Tree
	2. The Old Man at the Bridge		2. A Face in the Dark
			3. After Blenheim
			4. Angel in Disguise

Prescribed Textbook	The Merchant of Venice	Prescribed Textbook	The Merchant of Venice
	Act II : Scene IV		Act II: Scene VIII
	Scene V		Scene IX
	Scene VI		Act III : Scene I
	Scene VII		The entire syllabus of Class IX to be included

Project Assignment- 'Old Man at the Bridge' depicts the helplessness of humanity amidst warfare and is shown through the seventy-six year old protagonist. Discuss.

Submission Date: 31.1.2022

ST. FRANCIS XAVIER SCHOOL
HINDI
CLASS -IX SC
SYLLABUS 2021-2022

UNIT-I

Prescribed Text: CH. NO.	साहित्य सागर CHAPTERS	Topic Details
5	मेघ आए	सर्वेश्वर दयाल सक्सेना
6	सूरदास के पद	सूरदास
1	एकांकी संचय संस्कार और भावना सरस हिंदी व्याकरण वाक्यों को निर्देश अनुसार परिवर्तित कीजिए संज्ञा से विशेषण, भाववाचक संज्ञा, पर्यायवाची शब्द, विलोम शब्द, मुहावरे पत्र लेखन, लिंग परिवर्तन, वचन परिवर्तन, शब्द समूह के लिए एक शब्द	मानव स्वभाव का मनोवैज्ञानिक विश्लेषण

All portions taught.

PROJECT समाचार पत्रों के माध्यम से या वीर सिंह का चरित्र

HALF YEARLY

Prescribed Text: CH. NO.	साहित्य सागर CHAPTERS	Topic Details
3	स्वर्ग बना सकते हैं	रामधारी सिंह
2	गिरिधर की कुंडलियां	गिरिधर कर्मा
4	भिक्षुक	कवि सूर्यक
	एकांकी संचय	संस्कार और भावना सरस हिंदी व्याकरण और रचना लेखन पत्र लेखन अपठित गद्यांश संज्ञा से विशेषण, भाव वाचक संज्ञा, पर्यायवाची, विलोम मुहावरे, तत्सम, तद्भव, लिंग परिवर्तन, वचन परिवर्तन शब्द समूह के लिए एक शब्द, वाक्यों का परिवर्तन Appropriate portions of unit 1 and half yearly

PROJECT

प्रदुषण की समस्या

Submission Date: 15.06.2021

UNIT IIPrescribed Text: **साहित्य सागर****CH. NO. CHAPTERS Topic Details**

विनय के पद भिक्षुक	तुलसीदास निराला
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एकांकी संचय बहू की विदा	विनोद रस्तोगी
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including UT 1 and half yearly

व्याकरण और रचना**अपठित गद्यांश पत्र लेखन निबंध लेखन**

वाक्य परिवर्तन परवाची शब्द विलोम शब्द

अनेक शब्दों के लिए एक शब्द, मुहावरे

All portions taught.

ANNUALPrescribed Text: **साहित्य सागर****CH. NO. CHAPTERS Topic Details**

साखी स्वर्ग बना सकते हैं गिरधर की कुंडलियां मेघ आए	कबीर दास रामधारी सिंह गिरधर का सर्वेश्वर दया
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एकांकी संचय

संस्कार और भावना बहू की विदा मातृभूमि का मान	हरि कृष्ण ट्रे
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व्याकरण और रचना

All portions taught.

कविता भिक्षुक का चित्रण

PROJECT

Submission Date: 31.1.2022

ST. FRANCIS XAVIER SCHOOL

BENGALI

SESSION 2021-22

CLASS-IX (2nd Language)

**UNIT - I
EXAMINATION**

HALF YEARLY EXAMINATION

Prescribed Text Books	Chapter / Topics	Activity	Prescribed Text Books	Chapter / Topics	Activity
1.Sankolita (Short Stories)	1.Lalu 2.Bama	Reference to context Short questions and answers Word meaning Explanation Short notes Synonyms	1.Sankolita (short stories)	1.Ginni 2.Canvaser	Homonyms One word expression Proverbs Reference to context Short questions and answers Word meaning
2.Sankolita (Poems)	1.Bangobhumir Proti 2.Sovvotar Proti	Homonyms One word expression Proverbs	2. Sankolita (poems)	1.Kuli mojur 2.Abar asibo fire & unit 1 syllabus (short stories & poems)	Explanation Short notes Synonyms
3.Grammar	Transformation of sentences Misspelt words	Punctuation marks Voice change, Narration change, Spelling mistake transformation of sentences			Punctuation marks Voice change, Narration change Transformation of sentences
<u>Project Topics</u>			3. Grammar & Composition	Essay Writing	

**1.
Jonojibone
Mobile
Phone o
Tar
provab
(Composition)**

Letter Writing

Date of Sumission 28.06. 2021

**2. Lulu -
by Sarat
Chandra
Chattap
adhyay
(Prose)**

Comprehension

**3.
Sovvotar
Proti -
by
Rabindr
anath
Tagore
(Poetry)**

Voice Change

All portions taught.

Narration Change
Misspelt Words etc.
Appropriate portions
from the topics
taught in unit 1 and
half yearly
shall be covered .

**UNIT -II
EXAMINATION**

**Annual
Examination**

Prescribed Text Books	Chapter / Topics	Activity	Prescribed text books	Chapter / topics	Activity
1.Sankolita (short stories)	1.Naam	Reference to context	1.Sankolita (short stories)	1.Debotar janmo	Proverbs
	2.Asohojogi	Short questions and answers Word meaning		2.Nil manuser kahini	Punctuation marks Voice change, Narration change, Spelling mistake transformation of sentences Short notes Synonyms
2. Sankolita (poems)	1.Sinri	Explanation Short notes Synonyms	2. Sankolita (poems)	1.Phool Futuk Na Futuk	
	2.Rabindranather proti	Homonyms		2.Amalkanti	Homonyms
		One word expression Proverbs		& unit 2 syllabus (short stories & poems)	One word expression Reference to context
		Punctuation marks Voice change, Narration change, Spelling mistake transformation of sentences			Short questions and answers Word meaning
3. Grammar	One word expression		3.Grammar & Composition	Essay writing	Explanation
	Proverbs, Punctuation Marks, Etc.			Letter writing	
		All portions taught.		Comprehension Voice change Narration change Misspelt words	

Joint word
Transformation of
sentences etc.

All portions taught.

**ST FRANCIS XAVIER SCHOOL
HISTORY AND CIVICS
CLASS IX
SYLLABUS 2021-2022**

UNIT I

**Indian History,
World
Developments and
Civics Class- IX**

**Prescribed Text :
Jacob and Tayal**

**Reference Book
Goyal Brothers
(Chapters taught from both the
books)**

HALF YEARLY

**Indian History, World Developments
and Civics Class- IX**

**Prescribed Text :
Jacob and Tayal**

**Reference Book
Goyal Brothers
(Chapters taught from both the
books)**

Ch No.	Name of the Chapter	Topic
1	The Harappan Civilisation	Greatbath , Seals , Origin , Extent , Urban plan Trade , art , Craft , script , Decline .
2	The Vedic Period	

Ch No.	Name of the Chapter	Topic
5	The Sangam Age	Sources , Society , Economy .
6	The Age of Guptas	Sources , Political history, Administ ration , Educatio n , Science , culture .

	Comparative Study , Early and later Vedic Period , Society , economy , Vedas , Epics , Pottery .	7	The Cholas	Political history , Administration , Culture . Sources , Political History , Administration .
3	Jainism and Buddhist Angas, tripitakas .	8	The Delhi Sultanate	
4	The Mauryan Empire		<u>Civics</u>	Different Rights and Significance . Meaning , Welfare State , Different policies .
	political History , Administration , Ashoka and his religious policy .	2	Fundamental Rights	
		3	Directive principles	
		4	Election	
	<u>Civics</u>			
1	Our Constitution		Project Work	Vedic Age (Submission date: 16.8.2021)
	Meaning , Preamble , Date of enforcement Features , Citizenship , Adult Franchise .			
	All portions taught.	1		
			Appropriate portions of unit 1 and half yearly.	

UNIT II

ANNUAL

<p>Indian History, World Developments and Civics Class- IX</p>	<p>Jacob and Tayal</p>	<p>Prescribed Text :</p>	<p>Indian History, World Developments and Civics Class- IX</p>	<p>Jacob and Tayal</p>
<p>Reference Book</p>	<p>Goyal Brothers (Chapters taught from both the books)</p>	<p>Reference Book</p>	<p>Reference Book</p>	<p>Goyal Brothers (Chapters taught from both the books)</p>

Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
9	The Mughal Empire	Sources , Political History , Administration , Composite Culture , Bhakti and and Bhakti Movement .	12	Industrial Revolution	Definition , Comparative Study , Socialism , Capitalism .
10	Renaissance	Definition , causes , Art , Science , literature .	6	Local Self government	Rural System of Panchaya ti Raj , Meaning Functions .
11	Reformation	Causes , Martin luther , Counter Reformation .			

Civics

Civics

5 Local Self Government Formation and Function
All portions taught.

7 Local Self Government

Project Work

All portions taught.

Municipal Corporation, Committee

**The Mughal Empire .
Submission date:
15.2.2022**

**ST FRANCIS XAVIER SCHOOL
GEOGRAPHY
CLASS IX
SYLLABUS 2021-2022**

UNIT I

HALF YEARLY

Prescribed Text:	Prescribed Text:
<u>Total Geography Part 1 - Morning Star</u>	<u>Total Geography Part 1 - Morning Star</u>
Reference Book :	Reference Book:
<u>Comprehensive Geography Part 1 Frank EMU</u>	<u>Comprehensive Geography Part 1 Frank EMU</u>

	Name of the Chapter	Topic		Name of the Chapter	Topic
1	Earth as a Planet	Shape and Size of the Earth	6	Rocks & Rock Cycle	Types & Characteristics
2	Earth's Grid	Latitudes & Longitudes Longitude & Time		Reference Book	Rock Cycles Importance
	Rotation & Revolution	Motions of the Earth Their Effects	7	Volcanoes	Types Causes & Effects
4	Earth's Structure (Reference Book as well)	Interior of the Earth Forces originating within the Earth	8	Earthquakes	Distribution Causes & Effects
5	Earth	Mountains Plains & Plateaus	9	Weathering	Distribution weathering
16	Pollution Sources & Effects	Types & Sources	10	Denudation	Work of River Work of Wind
17 & 18	of Pollution Preventive Measures	Air, Water, Noise and Soil Pollution			
19	Assignment -1 (Reference Book as well)	Abatement of different types of pollution Conventional Symbols			
	PROJECT	Pollution – Air / Water		Appropriate portions from unit 1 and half yearly. Map Work	World Map
	Submission Date:				
	By 20.08. 21	OR		Assignment- 2 (Reference book as well)	Scale
		Equatorial Region		Submission date: By 20.08.21	

All portions taught.

Syllabus for Half Yea Ch 1 to 10 & Map work
Assignment - 1,2 & Project

UNIT II

ANNUAL

<u>Prescribed Text:</u>	<u>Total Geography Part 1 - Morning Star</u>	<u>Prescribed Text:</u>	<u>Total Geography Part 1 - Morning Star</u>
<u>Reference Book :</u>	<u>1 Frank EMU</u>	<u>Reference Book:</u>	<u>Frank EMU</u>

11 Hydrosphere Tides & Currents	Ocean Currents & its effects Tides & its effects	14 Atmospheric Pressure	Distribution of Pressure & Wind Belts
12 Atmosphere	Composition Structure	15 Humidity	Process of Condensation & Precipitation Types & Causes of Rainfall Forms of Precipitation
13 Insolation (Reference Book as well)	Heating of the Atmosphere Factors affecting distribution of temperature Heat Budget	20 Natural Regions	Equatorial Tropical Monsoon Desert Tundra
Assignment - 3 (Reference Book as well)	Direction	Map Work Assignment 3 (Reference book as well)	World Map Direction
	All portions taught.	Project	Assignment - 1,2,3 & Project work

Submission date: By 26.11.21

All portions taught.

ST FRANCIS XAVIER SCHOOL
MATHEMATICS
CLASS IX
SYLLABUS 2021-2022

UNIT I

HALF YEARLY

Prescribed Text:
Understanding
ICSE
Mathematics

Reference Text: Concise Mathematics

Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
2	Compound Interest	Application of Formula Growth & Depreciation	11	Mid- point Theorem	Mid- point Theorem Intercept Theorem
3	Expansions	Special products	8	Indices	Laws of Indices Pythagoras Theorem and Converse of
1	Rational and Irrational Numbers	Application of Special products Rational & Irrational Numbers Non repeating , non terminating dec Surds and rationalization of surds	12	Pythagoras Theorem	Pythagoras Theorem Application in word problem
10	Triangles	Relation Between angles Congruency of triangle Isosceles triangle Inequalities	20	Statistics	Mean and Median of Ungrouped Data Frequency Distribution Cumulative Frequency Data
4	Factorization	Factorization by taking common fac Factorization by grouping Factorization of trinomial	13	Rectilinear Figures	Properties Construction of Quadrilateral
5	Simultaneous Linear Equation	Substitution Method Elimination Method Cross multiplication Method Equation reducible to pair of Linear Equations All portions taught.	17	Trigonometrical Ratios	Trigonometrical ratios of the triangles
			18	Trigonometrical Ratios of Standard Angles	Angles Complementary angle
			15	Circle	Chord Property Arc Property
			9	Logarithms	Logarithm Laws of logarithms Appropriate portions of unit 1 and half yearly.
				Project – 1 : Study ways of raising loan to buy a Car or House (10.06.2021)	

UNIT II

ANNUAL

**Prescribed Text:
Understanding
ICSE
Mathematics**

Reference Text: Secondary School Mathematics

Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
14	Theorem on Area	Fundamental Concepts Area Axioms	16	Mensuration	Perimeter and Area of triangle Perimeter and Area of Quadrilateral
	Co-ordinate				
19	Geometry	Co-ordinate Axes Graph of Linear Equations Graphical Solution of pair of Linear Equations Distance Formula			Circumference and area Surface area and Volume of Cuboid and Cubes
	Problems on				
6	Simultaneous Linear Equations	Word Problems All portions taught.			
				Project – 2 : Statistical Analysis	All portions taught. of Height, Weight, Number of Family Members and Pocket Money of Class – IX students (11.11.2021)

ST. FRANCIS XAVIER SCHOOL
ECONOMIC APPLICATIONS
CLASS IX
SYLLABUS 2021-2022

UNIT I

ICSE Economic Applications - Goyal Brothers Prakashan

Ch No.	Chapter Name	Topic
1	Meaning and Definition of Economics	Definition of Economics Importance of the study of Economics. Human Wants, Goods, Utility, Value, Price,
2	Basic Concepts of Economics	Consumption Production Inputs and Outputs, saving, Investment, Basic economic entities and its
3	Basic Problems of an Economy	Introduction Economic Problem of Economy Basic or Central Problem of an Economy Economic Development and Economic Planning Strategy of Economic Development Importance of the study of Economic

All portions taught.

UNIT II**ICSE Economic Applications - Goyal Brothers Prakashan**

Ch No.	Name of the Chapter	Topic
10	Infrastructure of the Indian Economy	Meaning, types, Importance of Infrastructure. And its merits and demerits. Transport Sector, Strategies in 11th Plan. Railway, Road, Water transport. Classification of Financial Institutions Reserve Bank of India and its Functions
11	Consumer Awareness	Meaning, Rights and Responsibilities of a Consumer Consumer Awareness-its needs and process. Food Adulteration and its harmful effects Consumer Exploitation, Methods of Exploitation, Problems and Reasons Government ways and means for Consumer Protection

All portions taught.

Projects: (any four)

- 1 Make a Report on the Central Problems faced by an economy. Explain these problems with reference to the Indian economy.
- 2 Outline the main modes of transport in a district/city you live. What problem do you all other citizen faced in public transport
- 3 Prepare and enlist the different rights and also state to what extent Consumer Protection Act help them to provide help to get benefit for their
- 4 Identify 10 customers of major brands of edible oils in a locality/ area where you live. Make a presentation of the findings in class with the pa
- 5 Take a developed country such as U.S.A and a developing country such as India. Analyse the main characteristics of this Economies.

ST FRANCIS XAVIER SCHOOL
PHYSICS
CLASS IX
SYLLABUS 2021-2022

UNIT I

HALF YEARLY

Prescribed Text : Concise physics			Reference Book : Goyal Brothers Prakashan		
Chapter No.	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
2	Motion in one Dimension	Rest, motion, speed, velocity, acceleration	4	Pressure in Fluids	Thrust and Pressure and their units
3	Laws of Motion	Graphical representation of linear Motion, numerical Newton's Laws of Motion and its application	4	Atmospheric Pressure	Pascal's Law and transmission of pressure in liquids Principle of Floatation, Application, Relative density and measurement, numerical
1	Measurement and Experimentation	Gravity and Free fall Need of unit for measurement and its kind, derived units Least count of instruments screw gauge and vernier caliper Numerical, Pendulum experiments Beam balance	5	Up thrust in Fluids Archimedes' Principle	Upthrust and Archimedes' Principle Properties of upthrust Verification of Archimedes Principle
		All portions taught.	6	Heat and Energy	Concept of heat and temperature Anomalous Expansion of Water Thermal expansion Energy flow and its importance Energy Resources. Renewable and degradation Green House Effect and Global warming
			PRACTICAL As per ICSE Syllabus		
			Appropriate portions of unit 1 and half yearly		

UNIT II

ANNUAL

Prescribed Text : Concise physics			Reference Book : Goyal Brothers Prakashan		
Chapter No.	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
7	Reflection of Light	Reflection of light Images formed in pair of mirror Uses of plane mirror Spherical Mirror Ray diagram of convex and concave mirror, Uses of Mirrors	9	Current Electricity	Types of Cell Symbols for circuit diagram Insulators and Conductors Flow of electrons between conductors Resistance Efficient use of energy
8	Propagation of Sound wave	Nature of sound waves sound wave to travel Propagation and speed in different media Comparison with speed of light All portions taught.	10	Magnetism	Induced magnetism Magnetic field of earth Neutral points Introduction for electromagnet and uses
				PRACTICAL	As per ICSE Syllabus All portions taught.

**ST. FRANCIS XAVIER SCHOOL
CHEMISTRY
CLASS IX
SYLLABUS 2021-2022**

UNIT I

HALF YEARLY

CONCISE CHEMISTRY BY SELINA

CONCISE CHEMISTRY BY SELINA

Chapter No	Name of the Chapter	Topic	Chapter No	Name of the Chapter	Topic
2 and 1	Chemical changes and reactions. The language of chemistry	Characteristics of chemical reaction. Types of chemical reactions Symbol Valency Radicals Chemical equation Relative Atomic Mass	7	Study of gas laws	Behavior of gases Gas laws, numericals
		Percentage Composition Empirical formula of a compound	3	Water	Physical properties of water Water as universal solvent Solubility and Concentration of solution Properties of hard and soft water.
		All portions taught.			Appropriate portions of unit 1 and half yearly. Project based on practical work and submission of lab manual.

UNIT II

ANNUAL

CONCISE CHEMISTRY BY SELINA

CONCISE CHEMISTRY BY SELINA

Chapter No	Name of the Chapter	Topic	Chapter No	Name of the Chapter	Topic
8	Atmospheric pollution	Types of pollution Ways of reducing pollution Ozone, Green house effect Consequences of pollution	4	Atomic structure	Structure of an atom Mass number Atomic number Isotopes Octet rule Duplet rule, electron dot diagrams.
9	Practical chemistry	Observation and reactions	5	The periodic table	Doberneir's triads Newlands's law of octaves Mendeleev's contribution Modern periodic table
			6	Hydrogen	Physical and Chemical properties Preparation
		All portions taught.			All portions taught.
					Project based on practical work and submission of lab manual.

ST. FRANCIS XAVIER SCHOOL
BIOLOGY
CLASS IX
SYLLABUS 2021-2022

UNIT I

Prescribed Text: Concise Biology-9-Selina

HALF YEARLY

Prescribed Text: Concise Biology-9 Selina

UNIT I			HALF YEARLY		
Prescribed Text: Concise Biology-9-Selina			Prescribed Text: Concise Biology-9 Selina		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Intrducing Biology	Growth of Biology Branches of Biology	4	The Flower	Description of floral parts functions of various parts Inflorescence
2	The Cell -A unit of life	Cell Structure, Cell theory Cell organelle Prokaryotic and Eukaryotic cell	5	Pollination and Fertilization	Self and Cross Pollination pollination Structure of pollen grains and ovules
3	Tissues	Plant Tissue – Simple and Complex Tissue Animal Tissues	6	Structure and germination of seeds	Different events of fertilisation Classification of seeds,germination process
	Unit Test - Chapter1,2,3		7	Respiration in Plants	Types of respiration Mechanism of respiration
			14	The Respiratory System	Need for respiration Two kinds of respiration Parts of Respiration Respiratory organs Respiratory cycle Capacities of the lungs Inspired air vs. expired air Hypoxia and asphyxiation Some experiments on breathing
			8	Diversity in living organisms	Plant kingdom classification Invertebrates classes

All portions taught.

Appropriate portions of unit 1 anfd half yearly.
 Practical-As per ICSE syllabus related to the chapters

UNIT II

ANNUAL

Concise Biology-9 Selina	Prescribed Text:	Concise Biology-9-Selina
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Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
9	Economic Importance of Bacteria and Fungi Role of bacteria in agriculture and in Spoilage of food by bacteria	16	Disease	Categories of diseases, Diseases caused by bacteria, fungi, and protozoa
	Preservation of food Fungi – useful and harmful fungi Fungi- Role in Industry	12	The Digestive System	Diferent types of tooth Structure and function of tooth Anatomy of the digestive system
10	Movement and Locomotion Functions of Human skeleton Bone Joints and Muscles purpose of movement	13	Skin	Different process for digestion Different parts and function of skin Derivatives of the skin Thermal regulation of the body
11	Nutrition in humans Different modes of nutrition Essential components and function of food	15,16	Hygiene and diseases	Disease caused by bacteria, protozoa and parasitic worms
		17	Aids to health	Viral diseases Active and passive immunity Vaccination and immunisation Antibiotics,disinfectant, antiseptic
		18	Health Organisation	Common Health Problems Major activities of WHO Major activities of Red cross
		19	Waste Generation and Management	Source and disposal of waste Waste prevention and Management
	All portions taught.		All portions taught.	
				Practical-As per ICSE syllabus related to the chapters

ST. FRANCIS XAVIER SCHOOL
SYLLABUS 2021 -2022
CLASS IX
COMPUTER APPLICATIONS

UNIT I

HALF YEARLY

LOGIX Computer Applications			LOGIX Computer Applications		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
		Evolution of Programming			Operators and its types.
1	Introduction to Object Oriented Programming	Languages	5	Operators in Java	Precedence and Associativity of Operators
	Concepts	programing, advantages & disadvantages			new and dot operator. type conversions
	2	Introduction to Java			Output using println and print
		Evolution of JAVA Types of Java programs			IF statement, if else statement
		Machine, Assembly, HLL	9	Conditional Constructs in	,

<p>Ordinary Compilation, Java Compilation</p>	<p>Java</p>	<p>Conditio nal or Selection statement s</p>
<p>Features of Java</p>		<p>If - else statement (nested)</p>
<p>3 Elementary concept What is an object?</p>		<p>ternary operator Switch statement</p>
<p>Objects And Classes Encapsulation, Abstraction</p>		<p>Switch vs if else statement</p>
<p>Class- Object factory</p>		<p>Menu driven program</p>
<p>Class as a userdefined datatype Message passing between Objects</p>		<p>Terminati ng the program</p>
<p>4 Values and Data Tyf Character Set, ASCII character set</p>	<p>12 Computing and ethics</p>	<p>Intellectu al property Right,</p>
<p>Escape sequences</p>		<p>Right to privacy Protectio n against spam</p>
<p>Tokens</p>		<p>Software piracy Cybercri me,</p>
		<p>hacking</p>

Keywords, identifiers, literals, separator, operator.

Concept of data types

Variables

Constants

All portions taught.

Etiquette
and
ethical
practise

Syllabus for Half yearly including Project Work (10 programs from class object concept, and If else & switch case program)

Ch- 1 to 5,9,12 & project submission on or before 02 /08/2021 (1st par

UNIT II

ANNUAL

LOGIX Computer Applications			LOGIX Computer Applications		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
7	Input in Java	Comments in Java Input using initialization, parameters Packages in java. Obtaining input using Scanner class Types of program errors.	10	Iterative constructs in Java	Description of a loop structure. Segments of a loop For loop. While loop. Do while loop. Jump statement
8	Mathematical Librar	Functions of Math class. Java.lang Methods Using the functions of Math class in Expressions. What is a method? Advantages of	11	Nested loops	break and continue. Interconversion of loop Understanding nested loops. Applying break and continue in nested loops.
6	Working with Methc it.	Method defination, parameters. Invoking methods Returning values from a method. Static and nonstatic method. Scope of a variable			

Syllabus for Annual:

Ch 1,2,3,4,5,6,7,8,9,10,11,12 & practical programs to be practised.

Syllabus for Unit II including Project Work (Remaining 10 programs from Methods, and iteration statements.)

Ch- 6,7,8 & project submission on or before 06/12/21 (2nd part)

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PT

CLASS IX

SYLLABUS 2021-2022

UNIT I

HALF YEARLY

SL NO. TOPICS & COMM BENEFITS and VALUES.

SL NO. TOPICS & COMM BENEFITS and VALUES

- 1 General warm up Body flexibility
- 2 Specific warm up Stress relief, helpd digestion
- 3 Flat race Improvement of stamina
- 4 Outdoor games-bask Development of team spirit
- 5 March past Development of cordination skills

- 1 Stretching exercise Body flexibility
- 2 Yoga exercise Stress relief, helpd digestion
- 3 Outdoor games Development of team spirit
- 4 Relay race Development of strength
- 5 Throw ball Development of body fitness
- 6 Fitness training-joggi Development of body fitness

UNIT II

ANNUAL

SL NO. TOPIC BENEFITS and VALUES.

SL NO. TOPIC BENEFITS and VALUES.

- 1 Streching exercise Increasing strength
- 2 Tug of war Body flexibility

- 1 Fitness training To increase speed ,strength
- 2 Jogging Endurance
- 3 Shuttle run Improvement of dynamic
- 4 Spoon and marble rac balance.

ST. FRANCIS XAVIER SCHOOL
SUPW
CLASS IX
SYLLABUS 2021-2022

SL NO. TOPIC

- 1 Each one teach one
- 2 Candle making
- 3 Greeting card making
- 4 Glass painting
- 5 Anti honking drive



HALF YEARLY		
ICSE Economic Applications - Goyal Brothers Prakashan		

Ch No.	Chapter Name	Topic
4	Types of an	Introduction of an Economy Basis of Nature Closed and Open Economy Free and Controlled Economy Agricultural and Industrial Economics Bais of Ownership of means of production
5	Solution to the Basic Economic Problems	Introduction of Indian Economy Salient Features of Indian Economy
6	Nature and Features	Nature of Indian Economy Underdeveloped, mixed , developing
7	India : A	Sign of Indian Economy
8	Sectors of the Indian	Meaning of Agriculture,Importance of Causes of Low Productivity of Agriculture Problems of Indian Agriculture, and it's National Agricultural Policy 2000,2007. Rashtriya Krishi Bikas Yojana Sectors according to activity Interrelationship of Primary Secondary and Tertiary Sectors. Sectors according to ownership, Difference between Public sector and Introduction and Importance of the Importance of Service Sector in National Employment and Regional Balance.
9	Impact of	Definition, Characteristics, Types and Structure or Components of an Ecosystem Major Ecosystems- Introduction Contribution of Ecosystem Desertification. Introduction, Measure to control Ecosystem,

Ecosystem, Agriculture
Meaning of Industrialisation, Role of
Project Submission: 28 / 08 / 2021
Appropriate portions of unit 1 and half yearly.

	ANNUAL
	ICSE Economic Applications - Goyal Brothers Prakashan

Ch No.	Name of the Chapter	Topic
12	Globalisation	Meaning and Definition, Features,Causes,Procedure,Measures adopted Effects of Globalisation on Indian Economy Suggestions to promote Globalisation Forms,Characteristics,Reasons,Significan Case against MNC Technology Inflow, Mode of Technology MNC as instrument in transfer of Technology Problems of Technology in UDCs Measure to accelerate transfer of Technology Introduction, Objectives, Organs, and disadvantages of WTO to India and WTO, Specific Functions of WTO

All portions taught.

Project Submission: **03 / 01 / 2022**

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