

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: Biology

STD : VIII

Name of the book :

- 1. New Trend in Biology (Evergreen publication)**
- 2. Concise Biology (Selina Publication)**

1st Term

Chapter No.	Chapter Name	Content
1	Transport of food and minerals in plant	Diffusion, Osmosis, Types of Solutions, Transport of Water and minerals through Xylem tissues, Active transport, micronutrients and macronutrients
4	Endocrine system	Introduction, Different endocrine glands (role of hormones secreted by endocrine glands)
5	Adolescence and accompanying changes	Changes in body and behaviour in adolescent
6	Circulatory system	Structure and function of human heart, Process of circulation , Blood group, Lymph
7	Nervous system	Introduction, Types of Nervous system, Internal Structure of human brain, Spinal cord , Reflex arc, Reflex action
10	Food production	Animal husbandry ,Poultry farming , Pisciculture , Apiculture Sericulture and Horticulture

2nd Term

(From 9th book)

Chapter No.	Chapter Name	Content
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2	Cell : The unit of life	Introduction, structure and functions of Cell organelles , types of cells , Structure of Bacterial cell
3	Tissues: Plant and animal tissue	Types of plant tissue and animal tissue, Vascular tissues (Elements of xylem and phloem)
4	The Flower	Structure of different parts of flowers and Types of Flower
5	Pollination and Fertilisation	Introduction, Types of pollination, Fertilisation Process

3rd Term

Chapter No.	Chapter Name	Content
6	Seed: Structure and germination	L. S. Of seeds, , Bean seeds and Maize grain ,Hypogeal and Epigeal germination, Vivipary
15	Hygiene : A key for healthy life	Ways of maintaining hygiene, Classess of diseases , air-borne water-borne and vector- bone diseases
16	Diseases : Cause and control	Communicable and non-communicable diseases, mode of transmission of diseases, Bacterial, Viral, and Protozoan diseases
17	Aid to Health	Active and Passive immunity ,Immunization , vaccination, Antibodies , Antibiotics
18	Health organisations	Reason for the formation of WHO and Red cross, Functions of Red cross and WHO
19	Waste management	Disposal of wastes, e- wastes, Incineration

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: CTA

STD : VIII

Name of the book : Computer Applications with Bluej

Chapter No.	Chapter Name	Content
1	Principles of Object-Oriented Programming	Types of Computer Languages, Programming Paradigms (POP & OOP)
		Principles of OOP (Data Abstraction, Inheritance, Polymorphism, Encapsulation)
2	Introduction to JAVA	Evolution of Java, Types of Java Programming ,Features of Java
		Advantages & Disadvantages of Java, Working with Bluej
3	Elementary Concept of Objects and Classes	Concept of Objects and Classes, Class & Object in Java, Properties and Difference between Class & Object
		Create a New Project ,Create a Class, Open an Existing Project
4	Values and Types	Character Sets in Java , ASCII Code and Unicode
		Escape Sequences , TOKEN, Keywords , Identifiers, Literals , Operators
		Data Types (Primitive & Non-Primitive), Variables
		Type Conversion (Implicit and Explicit)
		Revision

1st Term

2nd Term

Chapter No.	Chapter Name	Content
5	Operators in Java	Operators , Forms of Operators (Unary, Binary, Ternary)
		Types of Operators (Arithmetic, Relational, Logical, Assignment, Conditional)
		Special Operators in Java, Hierarchy of Operators
		Associativity of Operators < Output Statement
6	Input in Java	Comments in Java, Packages in Java
		Initialization , Input using Parameters, Using Scanner Class
		Using InputStreamReader Class, Errors in Java
		Testing and Debugging, Exception Handling In Java
7	Mathematical Library Methods	“java.lang” Pacakage , Mathematical Methods
		Math.min(), Math.max(), Math.sqrt(), Math.cbrt(), Math.pow()
8	Conditional Construct In Java	Flow of Control (Normal and Conditional)
		If statement (syntax and program)
		If-else statement (syntax and program)
		If and only if statement (syntax and program)
		Revision

3rd Term

Chapter No.	Chapter Name	Content
8	Conditional Construct In Java	If –else-if statements/ladder (syntax and program)
		Nested if statement (syntax and program)
		Switch Case statement (syntax and program)
		Terminating a program using system.exit()
9	Iterative Construct in Java	Loop, Categories of Loop (entry control loop & exit control loop), Types of Loop
		for Loop (syntax and program)
		while Loop (syntax and program)
		do-while Loop (syntax and program)
		Series and number based program
		Java number based program (Table, factorial, palindrome, perfect, Armstrong)
10	Nested Loop	Nested for Loop (syntax and program)

		Nested while Loop (syntax and program)
		Nested do-while Loop (syntax and program)
		Java Pattern Based Program
11	Computing and Ethics	Intellectual Property, Right to Piracy, Protection Against Spam, Software Piracy
		Cybercrime, Hacking, Malicious Intent and Code, Good Etiquette Practices
		Revision

ST. THOMAS SCHOOL, HARDAG, RANCHI

Class VIII Economics (2024-2025)

Book Recommended - ICSE Economic Application (Std IX) by J.P. Goel

1st TERM

CHAPTER NUMBER	NAME OF THE CHAPTER
1	Meaning and definition of Economics
2	Basic Economic Entities in an Economy

2nd TERM

CHAPTER NUMBER	NAME OF THE CHAPTER
3	Basic Problems of Economics
4	Types of Economies
5	Characteristics of Indian Economy

3rd TERM

CHAPTER NUMBER	NAME OF THE CHAPTER
6	Main Sectors Of Indian Economy
12	Consumer Awareness

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: GK

STD : VIII

Name of the book : KNOW YOUR

1st Term

Chapter No.	Chapter Name
1.	The Natural World
4.	Sports
7.	Science and Technology
	Quiz Yourself-1
	Current Affairs, Reasoning(verbal and non-verbal)

2nd Term

Chapter No.	Chapter Name
2.	Things Around Me
5.	Number and Logical Skills
8.	Language and Literature
	Quiz Yourself -2
	Model Test paper -1
	Current Affairs, Reasoning(verbal and non-verbal)

3rd Term

Chapter No.	Chapter Name
3.	Art and Culture
6.	The World around Us
	Quiz Yourself -3
	Model Test paper -2
	Current Affairs, Reasoning(verbal and non-verbal)

**ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25**

Subject: English Language

STD: VIII

**Name of the books: 1) A Comprehensive Grammar of Current English (Joseph and Myall)
2) Onward With English - Selina**

1st Term

Ch no	Chapter Name	Content
12	Determiners	Articles, Demonstrative, Possessive, Distributives, Quantifiers, Interrogatives, Numerals
21	Tenses and their uses	Uses of tenses
41	Transformation of Sentences I : Changing of Words II : Interchanging of Forms	(A) Removal of Adverb 'Too' (B) Interchange of Degrees of Comparison (C) Interchange of one Part of Speech for another (B) Interchange of Exclamatory and Assertive Sentences (C) Interchange of Interrogative and Assertive Sentences (D) Interchange of Affirmative and Negative Sentences
22	Auxiliaries	Use of special verbs, Be, Have, Do, Shall, Will, Should, Would, Can, Could etc.

(1) Onwards with English Book: Practice Paper 3 to 5

TOPIC	CONTENT
PRACTICE PAPER 3	Grammar and Letter (formal, informal)
PRACTICE PAPER 4	Grammar and Comprehension Passage (Precis to be introduced)
PRACTICE PAPER 5	Grammar and Comprehension Passage

(2) PHRASAL VERBS (From Grammar book): BEAR to DRAW

(3) The Student's Companion book: Synonyms from A to H.

(4) Essay - Descriptive / Narrative

(5) Letter - Formal / Informal / Application

2nd Term

Ch no	Chapter Name	Content
18	The Participle	Uses of present participle, uses of past participle, forms of the participle
19	The Gerund	Uses of gerund, gerund and infinitive, gerund and present participle, forms of gerund
43	Synthesis of Sentences	a) Simple to Simple sentences b) Simple to Compound sentences c) Simple to Complex sentences
26	The Preposition	Position of preposition, kinds of preposition, kinds of relation indicated by preposition, the same preposition with many uses, preposition with different uses, which preposition to use when.

1. Onwards with English Book: Practice Paper 7 to 9

TOPIC	CONTENT
PRACTICE PAPER 7	Grammar and Letter (formal, informal)
PRACTICE PAPER 8	Grammar and Comprehension passage
PRACTICE PAPER 9	Grammar and Essay

(2) PHRASAL VERBS (from Grammar book): FALL to LOOK

(3) The Student's Companion Book: Synonyms from I to P

(4) Essay - Descriptive / Narrative

(5) Letter- Formal / Informal / Application

3rd Term

Ch no	Chapter Name	Content
45	Direct and Indirect speech	Rules for the change of pronouns, rules of the change of tenses, rules for the change of adverbs, change of declarative, interrogative, imperative and exclamatory sentences
15	Active and Passive voice	How passive forms of the verb are formed, when the active verb has two objects, use of active and

		passive voice
50	Agreement of the Verb with the subject	Whole chapter

(1) Onwards with English Book: Practice Paper 12 to 14

PRACTICE PAPER 12	Grammar and Essay
PRACTICE PAPER 13	Grammar and Letter(formal)
PRACTICE PAPER 14	Grammar and Comprehension

(2) PHRASAL VERBS: MAKE to TURN

(3) The Student's Companion Book: Synonyms from Q to W

(4) Essay - - Descriptive / Narrative

(5) Letter - Formal / Informal / Application

**ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25**

Subject: English Literature

STD : VIII

Name of the book : Gem's English Reader-8

1st Term

Chapter No.	Chapter Name
1	Space Hunt Extraordinaire (Prose)
2	The Blue Carbuncle (Prose)
	The Lake Isle Of Innisfree (Poem)
Tales of Shakespeare	The Merchant of Venice (Chapter 1 to 10)

2nd Term

Chapter No.	Chapter Name
4	The First Pup (Prose)
	I Remember, I Remember (Poem)
5	My Dearest Lizzy (Prose)
Tales of Shakespeare	The Tempest (Chapter 1 To 15)

3rd Term

Chapter No.	Chapter Name
	Milk For The Cat (Poem)
9	Older Than History (Prose)
10	The Nightingale (Prose)
	The Sower (Poem)
Tales of Shakespeare	As You Like it (Chapter 1 to 10)

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: History/Civics

STD : VIII

**Name of the book : New Trends in History/Civics
(Evergreen Pvt. Ltd)**

1st Term

Chapter No.	Chapter Name	Content
Ch - 1	(HISTORY) Period of Transition	Sources of Transition , Renaissance (Factors) , French Revolution (Impacts)
Ch - 2(a)	The Growth of Nationalism (The French Revolution)	Rise Of Napoleon
Ch - 2(b)	The Growth of Nationalism (The American War of Independence)	Causes & Impacts Of American War Of Independence
Ch - 2(c)	The Growth of Nationalism (The American Civil War)	Causes & Consequences Of American Civil War
Ch - 1(a)	(CIVICS) The Organs of Indian Government (The Legislature)	Lok & Rajya Sabha
Ch - 1(b)	The Organs of Indian Government (The Union Executive)	President & prime Minister

2nd Term

Chapter No.	Chapter Name	Content
Ch - 3	(HISTORY) India in the 18th Century	Rise Of Regional Kingdom

Ch - 4	Traders to Rulers	Historical Background Of Trading System in 17th & 18th Century & Impacts Of Battles
Ch - 5	British Policies and Impacts	British Economic Policies , Land Revenue , British Educational Policies
Ch - 6	Socio - Religious Reforms	Role Of Socia - Religious Reformers
Ch - 1(c)	(CIVICS) The Organs of Indian Government (The Judiciary)	Supreme Court & High Court
Ch - 2	The United Nations	Aims , Objectives , Composition & Principles Organs

3rd Term

Chapter No.	Chapter Name	Content
(Std -IX) Ch - 1	(HISTORY) The Harappan Civilization	Introduction , Sources , Origin , Extent , Urban Planning , Trade, Art , Craft & Decline
Ch - 2	The Vedic Period	Introduction , Sources & Comparative Study Of Early and Later Vedic Period
Ch - 3	Jainism and Buddhism	Introduction , Sources and Causes Of Rise Of Jainism and Buddhism
Ch - 5	(CIVICS) The Local Self Government (URBAN)	Historical Background , three Tier System Of Panchayati Raj System and their Functions
Ch - 6	The Local Self Government (RURAL)	Historical Background , Municipal Corporation & Municipal Committee and their Comparative Study.

संत थॉमस स्कूल हरदाग, राँची

पाठ्यक्रम सत्र (2024-25)

विषय - संस्कृत

कक्षा – अष्टम(आठ)

निर्धारित पुस्तक –

1.आनन्दम्(भाग-3)

प्रथम आवधिक संस्कृत पाठ्यक्रम

पाठ संख्या	पाठ का नाम	विषय वस्तु
पाठ- 1	संस्कृतस्य महत्वम्	पठन, व्याख्या एवं अभ्यास
पाठ-2	कोण्डदेवस्य दण्डः	पठन, व्याख्या एवं अभ्यास
पाठ-3	कति काकाः?(स्म प्रयोगः)	पठन, व्याख्या एवं अभ्यास
पाठ-4	वृक्षान् आरोपय	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-33	कार्यपत्रिका-1	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-119	धातुरूप-दृश्/पश्य(देखना), प्रच्छ्(पूछना),रक्ष्(रक्षा करना)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-113	शब्दरूप-छात्रः,कवि,लता, किम्(पुल्लिंग),अस्मद्	पठन, लेखन एवं अभ्यास
पाठ-16	संख्याः(1-30) (1-4 तक तीनों लिंगों में)	पठन, लेखन एवं अभ्यास
पृष्ठ संख्या-112	पर्यायवाची शब्दाः(गृहम्-चन्द्रः)	पठन, लेखन एवं अभ्यास
पृष्ठ संख्या-112	विलोम शब्दाः(पक्षः-एकः)	पठन, लेखन एवं अभ्यास
	अनुच्छेद लेखन-मम परिचयः,अस्माकं देशः	पठन, लेखन एवं अभ्यास

द्वितीय आवधिक संस्कृत पाठ्यक्रम

पाठ संख्या	पाठ का नाम	विषय वस्तु
पाठ-6	चाणक्यस्य विवेकः	पठन, व्याख्या एवं अभ्यास
पाठ-7	भक्षकात् रक्षकः श्रेष्ठः	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-54	कार्यपत्रिका-2	पठन, व्याख्या एवं अभ्यास
पाठ-8	सुभाषितानि	पठन, व्याख्या एवं अभ्यास
पाठ-10	वयं किं कुर्याम	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-72	कार्यपत्रिका-3	पठन, व्याख्या एवं अभ्यास
पाठ-11	दानवीरः कः	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-112	पर्यायवाचिशब्दाः-(कुसुमम्-वस्त्रम्)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-112	विलोमशब्दाः-(कट्-दूर्लभम्)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-113	शब्दरूप-गुरु,मति,फल किम्(स्त्रीलिंग),यष्मद्,इदम्	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-119	धातुरूप-स्था/तिष्ठ,नृत्,कथ्	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-130	चित्रवर्णनम्	पठन, व्याख्या एवं अभ्यास
पाठ-16	संख्या शब्दाः(1-40) (1-4 तक तीनों लिंगों में)	पठन, व्याख्या एवं अभ्यास
	अनुच्छेद लेखन-मम विद्यालयः,मम प्रिय मित्रम्	पठन, व्याख्या एवं अभ्यास

तृतीय आवधिक संस्कृत पाठ्यक्रम

पाठ संख्या	पाठ का नाम	विषय वस्तु
पाठ-12	शठे शाठ्यं समाचरेत् (प्रत्ययः)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-90	कार्यपत्रिका-4	पठन, व्याख्या एवं अभ्यास
पाठ-13	सूक्तयः(पाठ+अभ्यास)	पठन, व्याख्या एवं अभ्यास
पाठ-14.	श्रद्धायाः प्रभावः	पठन, व्याख्या एवं अभ्यास
पाठ-15	कः समयः?	पठन, व्याख्या एवं अभ्यास
पाठ-16	संख्याः(1-50)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-112	पर्यायवाची शब्दाः- (उद्यानम्-हस्ती)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-112	विलोमशब्दाः-(उत्थानम्-दुःखम्)	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-113	शब्दरूप-पितृ, राजन्, नदी, मातृ, किम्(नपुंसकलिंग), इदम्	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-119	धातुरूपाणि-भू, कृ, अस्	पठन, व्याख्या एवं अभ्यास
पृष्ठ संख्या-119	चित्रवर्णनम्	पठन, व्याख्या एवं अभ्यास

	अनुच्छेद लेखन-मम पिता, मम् उदयानम्	पठन,लेखन एवं अभ्यास
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**ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25**

Subject: M.Sc

STD : VIII

Name of the book : Core values

1st Term

Chapter No.	Chapter Name
1.	Peace
2.	Health, Wellness and Appearance
4.	Foul Language

2nd Term

Chapter No.	Chapter Name
5.	Decision Making
6.	Controlling Emotions
7.	The Gossip

3rd Term

Chapter No.	Chapter Name
8.	Body Language
9.	Conflict Resolution
11.	Be Cautious with Computer
13.	Failure – A Stepping Stone

ST. THOMAS SCHOOL, HARDAG, RANCHI

SYLLABUS FOR THE SESSION 2024-25

SUBJECT- PHYSICS

CLASS- 8

BOOK: LEARNING ELEMEMENTARY PHYSICS

TERM – 1

Theme no.	Theme name	Unit / topic
1.	Matter	<ol style="list-style-type: none">1. State of matter on the basis of kinetic theory of matter2. Change of state in matter in matter using kinetic theory
2.	Physical quantities and measurements	<ol style="list-style-type: none">1. Measurement of density, floating and sinking.
3.	Force and Pressure.	<ol style="list-style-type: none">1. Turning effects of force and pressure.2. Pressure exerted by liquid.3. Pressure exerted by gas.

TERM - 2

Theme no.	Theme name	Unit / topic
4.	Energy	<ol style="list-style-type: none">1. Energy and Work2. Potential and kinetic energy.3. Various forms of energy.
5.	Light energy.	<ol style="list-style-type: none">1. Reflection of light on plane surface.2. Reflection at curved surfaces.3. Refraction of light.4. Dispersion of light by a Prizm
6.	Heat transfer	<ol style="list-style-type: none">1. Heat transfer.
7.	sound	<ol style="list-style-type: none">1. Characteristics of sound

TERM - 3

Theme no.	Theme name	Unit / topic
8.	electricity	<ol style="list-style-type: none">1. Static electricity2. Gold leaf electroscope3. Method of charging a body and atmospheric electricity4. Basic components of electricity
Class 9-	Heat and energy	
Class 9	Reflection of light	
Class 9	Propagation of sound waves	

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: Mathematics

STD : VIII

**Name of the book : Concise Mathematics - Class VIII.
Concise Mathematics - Class IX.**

1st Term

Chapter No.	Chapter Name
1	Rational Numbers.
2	Exponents (Power).
3	Squares and Square roots.
4	Cubes And Cube Roots.
7	Percent and Percentage.
11	Algebraic Expressions (Including Operations on Algebraic Expressions)
16	Understanding Shapes(Including Polygons).
24	Probability

2nd Term

Chapter No.	Chapter Name
6	Sets.
8	Profit, Loss and Discount (Including Overhead Expenses and Tax.)
9	Interest.
10	Direct and Indirect Variations (Including Time & Work).
13	Factorisation.
14	Linear Equation in One Variable(with problem based on Linear Equation).
15	Linear Inequations (Including Number Line).
17	Special Types of Quadrilaterals.
21	Surface Area, Volume and Capacity(Cuboid, Cube and Cylinder).

3rd Term

Chapter No.	Chapter Name[From STD-IX book]
1	Rational & Irrational Numbers.
4	Expansions.
5	Factorisation.
9	Triangles (Congruency in Triangles).
13	Pythagoras Theorem(Proof & Simple applications with converse).
20	Area & Perimeter of Plane Figures.
21	Solids: Surface Area & Volume of 3-D Solids.

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: CHEMISTRY

STD : VIII

Name of the book : Learning Elementary Chemistry

1st Term

Chapter No.	Chapter Name
1.	Matter
2.	Physical and Chemical Properties
5.	Language of Chemistry

2nd Term

Chapter No.	Chapter Name
3.	Elements, Compounds and Mixtures
4	Atomic Structure
6.	Chemical Reactions

3rd Term

Chapter No.	Chapter Name
7.	Hydrogen
8.	Water
9.	Carbon and its Compounds
2(From std -9)	Chemical Changes and Reactions

**ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25**

Subject: Geography

STD : VIII

Name of the book : A Textbook of Geography

1st Term

Chapter No.	Chapter Name	Content
1	Representation of geographical features	
3	Migration	
8	India: Geographical features	

2nd Term

Chapter No.	Chapter Name	Content
2	Population Dynamics	
4	Urbanisation	
6	Asia: The Largest Continent – Location and Physical features	

3rd Term

Chapter No.	Chapter Name	Content
5	Natural and Man-made Disaster	
7	Asia: Climate, Natural Vegetation and Wildlife	
9	India: Climate, Flora and Fauna	
10	India: Human Resources	