



SARALA BIRLA PUBLIC SCHOOL



**Birla Knowledge City, Ranchi Purulia Highway
Village –Ara, P.O.- Mahilong
Ranchi – 835103, Jharkhand**

SYLLABUS

STD – X

SESSION – 2024-25

Name: _____

UID No. : _____

Class and Section: _____

SUBJECT: ENGLISH (184)

Prescribed books	1.	Footprints without feet								
	2.	First Flight								
	3.	Words and Expressions (part 2)								
MONTHS	No. of Periods	LESSON/ CHAPTERS								
April		FIRST FLIGHT-A Letter to God, Dust of Snow, Fire and Ice FOOTPRINTS WITHOUT FEET - A Triumph of Surgery, The Thief's Story GRAMMAR - Determiners WRITING - Letter to the Editor Words and Expressions – CHAPTER 1								
May		FIRST FLIGHT- Nelson Mandela: Long Walk to Freedom, Two Stories About Flying, A Tiger in the Zoo, The Ball Poem GRAMMAR - Reported speech (Statements and Questions) WRITING - Analytical paragraph, Complaint Letter Words and Expressions- Chapter 2								
June		FIRST FLIGHT- Amanda, How to Tell Wild Animals FOOTPRINTS WITHOUT FEET- A Question of Trust GRAMMAR - Reported speech (Command and Requests), Tenses WRITING - Placing an Order Letter (Formal letter) Words and Expressions- Chapter 3								
July		FIRST FLIGHT- Mijbil the Otter, The Tale of Custard the Dragon, The Trees FOOTPRINTS WITHOUT FEET- The Midnight Visitor GRAMMAR - Subject- Verb Concord Words and Expressions - Chapter 5 ,6 and 8								
August		FIRST FLIGHT - From the Diary of Anne Frank FOOTPRINTS WITHOUT FEET - Footprints without Feet GRAMMAR - Modals Words and Expressions - Chapter 4								
September		Revision, Half yearly exams								
October		FIRST FLIGHT – The Sermon at Benares, Fog, For Anne Gregory (Poems) FOOTPRINTS WITHOUT FEET - The Making of a Scientist WRITING - Inquiry letter (Formal letter) Words and Expressions - Chapter 10								
November		FIRST FLIGHT – Glimpses of India, Madam Rides the Bus, The Proposal FOOTPRINTS WITHOUT FEET - Bholi, The Necklace, The Book that Saved the Earth Words and Expressions - Chapter 7,9 and 11								
December		Revision								
January		Revision of the entire syllabus								
PT 1, 2 & 3		PT 1- A Triumph of Surgery, Dust of Snow, Determiners, Letter to the Editor PT 2- Nelson Mandela: Long Walk to Freedom, The Thief’s Story, Amanda, Placing an Order Letter, Reported Speech PT 3- PORTION TAUGHT TILL AUGUST								
<i>Half yearly exam</i>		<p style="text-align: center;"><i>PORTION TAUGHT TILL AUGUST</i> <i>Weightage: -</i></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Sections</th> <th style="text-align: left;">Weightage</th> </tr> </thead> <tbody> <tr> <td>A Reading Skills</td> <td style="text-align: right;">20 Marks</td> </tr> <tr> <td>B Writing Skills with Grammar</td> <td style="text-align: right;">20 Marks</td> </tr> <tr> <td>C Language through Literature</td> <td style="text-align: right;">40 Marks</td> </tr> </tbody> </table>	Sections	Weightage	A Reading Skills	20 Marks	B Writing Skills with Grammar	20 Marks	C Language through Literature	40 Marks
Sections	Weightage									
A Reading Skills	20 Marks									
B Writing Skills with Grammar	20 Marks									
C Language through Literature	40 Marks									

PT4, PT5 & PT6	PT 4- For Anne Gregory, The Sermon at Banaras, Subject- Verb Concord, Complaint letter PT 5- Fog, The Necklace, Inquiry letter, Modals and Tenses PT 6- Complete syllabus (from April to November)								
Pre boards	Complete syllabus (from April to November) <i>Weightage:-</i> <table border="1"> <thead> <tr> <th>Sections</th> <th>Weightage</th> </tr> </thead> <tbody> <tr> <td>A Reading Skills</td> <td>20 Marks</td> </tr> <tr> <td>B Writing Skills with Grammar</td> <td>20 Marks</td> </tr> <tr> <td>C Language through Literature</td> <td>40 Marks</td> </tr> </tbody> </table>	Sections	Weightage	A Reading Skills	20 Marks	B Writing Skills with Grammar	20 Marks	C Language through Literature	40 Marks
Sections	Weightage								
A Reading Skills	20 Marks								
B Writing Skills with Grammar	20 Marks								
C Language through Literature	40 Marks								

SUBJECT: HINDI (002)

Prescribed Books:	1)	क्षितिज भाग 2 एन. सी. ई. आर. टी		
	2)	कृतिका भाग 2 एन. सी. ई. आर. टी		
	3)	हिंदी व्याकरण		
Month	Total No. of periods	Lesson/Chapter		
		क्षितिज भाग 2	व्याकरण	कृतिका भाग 2
April		1- नेताजी का चश्मा 2- सूरदास 3- बाल गोविंद भगत	रचनाधारित वाक्य- भेद, वाच्य	माता का आंचल
May		4- लखनवी अंदाज 5- आत्मकथ	अनुच्छेद-लेखन विज्ञापन-लेखन	
June		6- फसल 7- दंतुरित मुस्कान	पद-परिचय अलंकार	साना-साना हाथ जोड़ि
July		8- उत्साह 9- अट नहीं रही 10- एक कहानी यह भी	संदेश-लेखन अलंकार पत्र- लेखन	मैं क्यों लिखता हूँ
August		11- नौबतखाने में इबादत 12- संगतकार	अनुच्छेद-लेखन, ई.मेल अपठित बोध, पत्र-लेखन, विज्ञापन, संदेश-लेखन, स्ववृत लेखन	
September		पुनरावृत्ति और अर्धवार्षिक परीक्षा (अप्रैल से अगस्त तक पढ़ाया गए सभी पाठ)		
October		13- राम-लक्ष्मण-परशुराम संवाद 14- संस्कृति	वाक्य-भेद वाच्य अलंकार पद-परिचय	
November		पुनरावृत्ति परीक्षा अप्रैल से अक्टूबर तक पढ़ाए गए सभी पाठ		
December		प्री बोर्ड-1 (पूरा पाठ्यक्रम)		
January		प्री बोर्ड-2 पूरा पाठ्यक्रम		
February				
March				

Syllabus for Term Exams and Periodic Test

TERM-1 (Half Yearly)

Periodic Test	Periodic Test- 1 नेताजी का चश्मा सूरदास वाक्य-भेद
	Periodic Test-2 लखनवी अंदाज, अलंकार, वाच्य
	Periodic Test -3 अप्रैल से अगस्त तक पढ़ाए गए सभी पाठ और प्रतियोगिता आधारित पाठ

Activities	1) संदेश-लेखन
	2) कक्षा कार्य एवं गृह कार्य
	3) असाइनमेंट
	4) परियोजना कार्य
TERM-2 (Annual)	
Periodic Test	Periodic Test-4 उत्साह, फसल, वाक्य, वाच्य
	Periodic Test-5 नेताजी का चश्मा, राम- लक्ष्मण- परशुराम संवाद अलंकार, पद- परिचय
	Periodic Test – 6 अप्रैल से लेकर अक्टूबर तक पढ़ाया गए सभी पाठ
Activities	1) संदेश-लेखन
	2) कक्षा कार्य एवं गृह कार्य
	3) श्रवण-वाचन कौशल
	4) परियोजना कार्य

SUBJECT: MATHEMATICS (041)

Prescribed Books:	1)	Mathematics -Text Book for class X, NCERT
	2)	Math's Lab Book - Activity Plus in Mathematics
Month	Total No. of periods	Lesson/Chapter
April		Ch-1 Real Numbers Ch-2 Polynomial Ch-3 Pair of linear equations in two variables
May		Ch-3 Pair of linear equation in two variables (cont.) Ch-4 Quadratic equations Ch- 8 Introduction to Trigonometry
June		Ch-5 Arithmetic Progression Ch-6 Triangles
July		Ch-9 Some applications of Trigonometry Ch-15 Probability
August		Ch-7 Co-ordinate Geometry Ch-14 Statistics
September		Revision + Half Yearly Exam
October		Ch-10 Circles Ch- 12 Area related to Circles
November		Ch-13 Surface Areas and Volumes
December		Revision
January		Mock Exam
February		Board Exam
March		
Syllabus for Term Exams and Periodic Test		
Term 1		
Periodic Test-1		Ch- 1 Real numbers Ch- 2 Polynomials

Periodic Test-2 Periodic test -3	Ch- 3 Pair of linear equations in two variables. Syllabus of term -1
Activities	Lab Activity- 1.3 (Pair of linear equations in two variables) 3.1 (Basic Proportionality Theorem) 4.1 (Trigonometric Identities) 6.1 (Statistics)
Half Yearly Exam	Ch-1 Real Numbers Ch-2 Polynomials Ch-3 Pair of Linear Equations in two variables Ch-4 Quadratic Equations Ch-6 Triangles Ch-8 Introduction to Trigonometry Ch-14 Statistics Ch-15 Probability
TERM-2 (Annual)	
Periodic Test-4	Ch-8 Introduction to Trigonometry Ch-9 Some Applications of Trigonometry
Activities	Lab Activity- 1.2 (Quadratic Polynomials) 1.5 (Arithmetic Progressions- I) 5.4 (Surface Area of a cylinder) 3.4 (Length of a Tangent to a circle)

SUBJECT: SCIENCE (086)

PHYSICS

Prescribed Books:	1)	Science (NCERT)
	2)	NCERT Exemplar
	3)	Lab manual NCERT
Month		Lesson/Chapter
April		Ch-10: Light – Reflection and Refraction
May		Ch-11: The Human Eye and the Colourful World.
June		Ch-12: Electricity
July		Ch-12: Electricity (Continued)
August		Revision
September		Half Yearly Exam
October		Ch-13: Magnetic Effects of Electric Current
November		Ch-13: Magnetic Effects of Electric Current (continued)
December		Revision + Pre-Board 1
January		Pre-Board 2
February		Revision
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test	1)	Ch-10- Light – Reflection and Refraction (Complete Chapter)
	2)	Ch-10- Light – refraction Ch-11- The Human Eye (Page no. 187 – 190)
	3)	Syllabus of Term-I

Activities	1) Determination of the focal length of: (i) Concave mirror (ii) Convex lens by obtaining the image of a distant object.
	2) Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
	3) Tracing the path of the rays of light through a glass prism.
TERM-2 (Annual)	
Periodic Test	4) Ch-12: Electricity Ch -13 : Magnetic Effects of Electric Current
Activities	1) Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot graph between V and I.
	2) Determination of the equivalent resistance of two resistors when connected in series and parallel.

CHEMISTRY

Prescribed Books:	Science (NCERT) NCERT Exemplar Lab Manual- Dinesh Publication
Month	Topics/Lessons
April	Chemical Reactions and Equations
May	Acid Bases and Salt
June	Acid Bases and Salt continued
July	Metals and Nonmetals
August	Metals and Non-metals.
September	Revision + half yearly exam
October	Carbon and its compound
November	Carbon and its compound
December	Revision + Pre-board 1
January	Pre-board 2
February	Pre-board 3
March	Board Exam
Syllabus for Term and Periodic Test	
Term 1 (Half Yearly Exam)	
Periodic Test-1	Chemical Reactions and Equations
Periodic Test-2	Acid, Bases and Salts.
Periodic Test-3	Metals and Non Metals
Half Yearly Exam	Chapter 1,2,3
Term 2 (Annual Exam)	
Periodic Test-4	Carbon and it's compound
Annual Exam	As prescribed by CBSE.

BIOLOGY

Prescribed Books:	1)	Science NCERT Class X
	2)	Science Lab Book Class X
Month		Lesson/Chapter
March/April		Ch-5 Life Processes
May		Ch-5 Life Processes (continued) Ch-6 Control and coordination
June		Ch-6 Control and coordination (continued)
July		Ch-7 How do organisms reproduce
August		Revision
September		Revision + Half Yearly Exam
October		Ch-8 Heredity
November		Ch-13 Our Environment + Revision
December		Revision + Pre-Board 1
January		Pre-Board 2
February		Pre-Board 3
March		Board Exam
Periodic Test-1		Ch-5 Life Processes (Nutrition & Respiration)
Periodic Test-2 Periodic Test-3		Ch-6 Control and Coordination Ch-5 Life Processes (Transportation & Excretion) Ch-7 How do organisms reproduce (till Asexual reproduction)
Activities		1) Preparing a temporary mount of a leaf peel to show stomata.
		2) Experimentally show that carbon dioxide is given out during respiration (with KOH) .
Half Yearly Exam		Ch. 5, 6 and 7
TERM-2 (Annual)		
Periodic Test-4		Ch-8 Heredity Ch-7 How do organisms reproduce (Sexual reproduction & Reproductive Health)
Pre-Board Exams		Complete Syllabus as per CBSE
Activities		3) Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. 4) Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

SUBJECT: SOCIAL SCIENCE (087)

HISTORY/CIVICS

Prescribed Books:	1.	India and the contemporary world II
	2.	Democratic Politics II
Month		Topics/Lessons
April		History Ch 2. Nationalism in India Civics Ch 1. Power Sharing

May		History Ch-2 Nationalism in India (cont) Ch-1 The Rise of Nationalism in Europe Civics Ch-2 Federalism
June		History Ch-1 The rise of Nationalism in Europe (cont) Civics Ch-2 Federalism
July		History Ch-3 The Making of a Global World Civics Ch-4 Gender, Religion and Caste
August		History Ch--4 The Age of Industrialization Civics Ch-4 Gender, Religion and Caste
September		Revision and Half Yearly Exam
October		History- Ch -5 Print Culture and the Modern World Civics Ch-6 Political parties
November		History Ch -5 Print Culture and the Modern World(contd.) Civics Ch-7 Outcomes of Democracy
December		Revision + Pre Board 1
January		Pre-Board 2
February		REVISION
March		
Syllabus for Term and Periodic Test		
Term 1 (Half Yearly Exam)		
Periodic Test-1		History: Nationalism in India Civics: Power sharing
Periodic Test-2		History: The Rise of Nationalism in Europe; Civics: Federalism
Periodic Test-3		History: The Making of a Global World Civics: Gender, Religion and Caste
Half Yearly Exam		History: Nationalism in India; The Rise of Nationalism in Europe; The Making of a Global world Map- Nationalism in India Civics: Power sharing; Federalism; Gender, Caste and Religion
Term2: Pre-Board Exams.-		Whole syllabus
Activities		1) Copy work 2) Map work (Congress sessions) 3) Diagrams on power sharing (pg 2&3) 4) Map work book 5) List of Books and Authors 6) Chart making – Parties, Ideologies and Symbols

GEOGRAPHY

Prescribed Books:	1)	Contemporary India 2
Month	Total No. of periods	Lesson/Chapter
April		Chapter-1 Resources and development.
May		Chapter-2 Forest and wildlife resources Chapter-3 Water resources
June		Chapter-4 Agriculture.
July		Chapter-5 Mineral and energy resources.
August		Chapter-6 Manufacturing Industry.
September		Revision and first term
October		Chapter-7 Life lines of national economy. (Continued)
November		Chapter-7 Life lines of national economy.
December		Pre-board-1
January		Pre board
February		
March		
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test		PT-1 Chapter- 1 Resources and Development.
		PT-2 Chapter -2 Forest and wildlife resources
		PT-3 Chapter -3 Water resources
Activities		1) Copy maintenance
		2) Map work book
		3) Free hand drawing [map of India]
TERM-2 (Annual)		
Periodic Test		
Activities		1. Copy maintenance
		2. Map work book.
		3. PPT making [topic related with syllabus]
Term 1		Chapter 1,2,3,4 and relevant chapters from map work book.
Annual Exam		Chapter 1, 2, 3, 4, 5, 6, 7 and relevant chapters from map book.
Pre-Board Exams.-1		Whole syllabus
Pre-Board Exams.-2		Whole syllabus

ECONOMICS

Prescribed Books:	1)	Understanding Economic Development (NCERT)
Month		Topics/Lessons
April		Ch-1 Development
May		Ch-2 Sectors of the Indian Economy
June		Ch-2 Sectors of the Indian Economy (Contd)

July		Ch-3 Money and Credit
August		Ch-3 Money and Credit (Contd)
September		Revision + half yearly exam
October		Ch-4 Globalisation and the Indian Economy Ch-5 Consumer Rights
November		Ch-4 Globalisation and the Indian Economy (Contd)
December		Pre Board
January		Pre Board
February		
March		Board Exam
Syllabus for Term and Periodic Test		
Term 1 (Half Yearly Exam)		
Periodic Test-1		Ch-1 Development
Periodic Test-2		Ch-1 (Human Development Report, Sustainability of Development) Ch-2 Sectors of the Indian Economy
Periodic Test-3		Ch-2 (Comparing the three Sectors); Ch 3 Money and Credit
Half Yearly Exam		Ch-1 Development Ch-2 Sectors of the Indian Economy
Term 2: Pre-Board Exams.-		Whole syllabus

SUBJECT: SANSKRIT

Prescribed Books:	1)	शेमुषी भाग-2
	2)	अभ्यासवान भव भाग-2
	3)	व्याकरणवीथि
Month	Total No. of periods	Lesson/Chapter
April		पाठ-1 शुचिपर्यावरणम् पाठ- 2 बुद्धिर्बलवती सदा
May		1- व्यंजन संधि – प्रथमाक्षराणाम् तृतीयवर्णे परिवर्तनम्, प्रथमवर्णस्य पञ्चमवर्णे परिवर्तनम् । अपठितगद्यांश ,सरलवाक्यानुवाद पाठ- 4 शिशुलालनम् । 2 विसर्ग संधि—विसर्गस्य उत्त्वम्, रत्वम्, लोपः, विसर्गस्य स्थाने सत्वम् स्, श्, ष्, अव्यय , सरल वाक्यानुवादम्, चित्र/अनुच्छेदलेखनम्, पत्रलेखनम्
June		पाठ-5 जननीतुल्यवत्सला पाठ-6 सुभाषितानि 3 -- तद्धित प्रत्यय—मतुप्, ठक् ,त्व, तल् 4- वाच्यपरिवर्तनम्, 5-समय, 6-अशुद्धि संशोधनं
July		पाठ-7 सौहार्द प्रकृतेः शोभा , पाठ – 8 विचित्रः साक्षी 7- समास—अव्ययीभाव समास (अनु, उप, सह, निर्, प्रति, यथा) तत्पुरुष समास (विभक्ति तत्पुरुष), बहुव्रीहि समास, द्वन्द्व समास (इतरेतर द्वन्द्व)
August		पाठ-9 सूक्तयः पाठ-12 अन्योक्तयः
September		पुनरावृत्ति , अर्द्धवार्षिक परीक्षा
October		प्रत्यय – टाप् ,डीप् वाक्य अनुवादं, पत्रलेखनम्, अपठित अवबोधनम्,
November		अनुच्छेदलेखन समस्त-पाठ पुनरावृत्ति एवं परीक्षा (Pre-Bord)
December		
January		
February		

March		
Periodic Test-1	पाठ-1 शुचिपर्यावरणम्, व्यंजन सन्धि, सरल वाक्यानुवादम्	
Periodic Test-2	पाठ-2 बुद्धिर्बलवती सदा, विसर्ग संधि--उत्वम्, रत्वम्, अनुच्छेद- लेखनम् ।	
Periodic Test-3	व्याकरण- अप्रैल से जुलाई तक पढ़ाए गये सभी पाठ (Revision Test) शेमुषी- पाठ- 1, 2, 4, 5, 6	
Activities	1) श्लोकवाचन/ गद्यवाचन	
	2) परियोजना-कार्य	
	3) गृहकार्य/ कक्षाकार्य	
	4) ASL -- गीता-पाठ	
Half Yearly Exam	व्याकरण- जुलाई तक पढ़ाए गये सभी पाठ शेमुषी- पाठ-1, 2, 4, 5, 6	
TERM-2 (Annual)		
Periodic Test-4	पाठ- 4 शिशुलालनम्, प्रत्यय—मतुप्, ठक्, त्व, तल्,	
Activities		
Annual Exam	समस्त-पाठ (Pre-Bord)	

SUBJECT: ARTIFICIAL INTELLIGENCE

Prescribed Books -	1. Artificial Intelligence 2. Artificial Intelligence (S. Chand & Co.)	
Month	Total No. of Periods	Chapters/Topics
April		PART-B 1. Introduction to Python, Control Structures in Python and Python Lists 2. Information and Communication Technology Skills
May		Unit I- Introduction to AI
June		Unit 2 - AI project Cycle Unit 3- Advance Python
July		Unit 4- Data Science, Python for Data Science, Statistical Learning & Data Visualisation
August		Unit 5- Computer Vision, Introduction to Open CV
September		Revision for Half Yearly
October		Unit 6 -Natural Language Processing PART-B Unit-II Self-Management Skills Unit-IV Entrepreneurial Skills
November		Revision
December		Revision + Pre- Board 1
January		Revision + Pre- Board 1
February		
Syllabus for Term Exams and Periodic Test		

Periodic Test	PT-1: Python Programming till if else using logical operator and ICT PT-2: Introduction to AI and AI project Cycle PT-3: Computer Vision and Natural Language Processor PT-4: Self-Management Skills and Entrepreneurial Skills
Half Yearly Exam	Part A- Information and Communication Technology Skills Part B- Introduction to AI AI project Cycle Data Science Computer Vision
Pre-Board(s)	Complete Syllabus

SUBJECT: GENERAL KNOWLEDGE

Prescribed Books:		MANORAMA YEAR BOOK 2024
Month		Topics/Lessons
April		CH-3 CALENDAR OF EVENTS-INDIA
May		CH-12 GEOGRAPHY & PEOPLE
June		CH- 15 POLITY & GOVERNANCE
July		CH- 20 WORLD PANORAMA
		PERIODIC TEST
PT-1		CH-3 AND 12
PT-2		CH-15 AND 20

SUBJECT: LIFE SKILL

Prescribed Book		Winners by Shiv Khera
Month		Topics/Lessons
April		CH-1 Goal Setting
May		CH-2 Time Management
June		CH-3 Etiquette
July		CH-4 Smoking
August		CH-5 Positive Attitude
		PERIODIC TEST
PT-1		CH-1,2 AND 3
PT-2		CH- 4 AND 5

