



SARALA BIRLA PUBLIC SCHOOL



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

SYLLABUS

STD – X

SESSION – 2023-24

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	19	1. A Letter to God, A Triumph of Surgery 2. Dust of Snow, Fire and Ice(poems) 3. Determiners 4. Letter to the Editor (Formal Letter) 5. Chapter 1 (Words and expressions)
May	18	1. Nelson Mandela: Long Walk to Freedom, The Thief's Story 2. A Tiger in the Zoo, How to Tell Wild Animals, The Ball Poem(poems) 3. Analytical Paragraph 4. Chapter 2 (Words and Expressions)
June	15	1. Amanda 2. Two Stories about Flying, A Question Of Trust 3. Reported Speech 4. Tenses 5. Complaint letter(Formal Letter) 6. Chapter 3 (Words and Expressions)
July	22	1. Subject- Verb Agreement 2. Mijbil The Otter 3. The Midnight Visitor 4. The Tale of Custard the Dragon, Trees (Poems) 5. Formal Letter (Placing an Order) 6. Chapter 5 , 6 and 8 (Words and Expressions)
August	19	1. From the Diary of Anne Frank, Footprints without Feet 2. Modals 3. Chapter 4 (Words and Expressions)
September	24	1. Revision, Half yearly exams
October	14	1. Fog, For Anne Gregory(poems) 2. The Making of a Scientist, The Sermon at Benares 3. Enquiry letter(Formal Letter) 4. Chapter 9 and 10 (Words and Expressions)
November	15	1. Glimpses of India , Bholi, Madam Rides the Bus 2. The Necklace, The Book that saved the Earth 3. The Proposal (drama) 4. Chapter 7,9 and 11 (Words and Expressions)
December	21	Revision
January	15	Revision of the entire syllabus
PT 1 & 2		PT1 - A Letter to God, Determiners, Letter to the Editor PT2 - Nelson Mandela: Long Walk to Freedom, The Thief's Story, Dust of Snow, Letter to the Editor, Reported Speech

Half yearly exam	<p><i>PORTION TAUGHT TILL AUGUST</i></p> <p><i>Weightage :-</i></p> <p><i>SECTION A – READING (20 MARKS)</i></p> <p><i>SECTION B – WRITING AND GRAMMAR (20 MARKS)</i></p> <p><i>SECTION C – LITERATURE (40 MARKS)</i></p>
PT3	<p>PT3 -The Making of a Scientist, The Sermon at Benaras, Reported speech(sentence transformation), Formal letter (Placing an Order)</p> <p>PT4-Fog, The Necklace, Modals and Tenses, Formal Letter(Enquiry Letter)</p>
Pre boards	<p>Complete syllabus (from April to November)</p> <p><i>Weightage :-</i></p> <p><i>SECTION A – READING (20 MARKS)</i></p> <p><i>SECTION B – WRITING AND GRAMMAR (20 MARKS)</i></p> <p><i>SECTION C – LITERATURE (40MARKS)</i></p>

SUBJECT : HINDI

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-आत्मकथ्य	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 हूं
August		11-नौबतखाने में इबादत 12-संगतकार	अनुच्छेद-लेखन, ई.मेल अपठित बोध, पत्र-लेखन, विज्ञापन, संदेश-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- नेताजी का चश्मा सूरदास वाक्य-भेद
	Periodic Test-2 लखनवी अंदाज, अलंकार, वाच्य
Activities	1) संदेश-लेखन
	2) कक्षा कार्य एवं गृह कार्य
	3) असाइनमेंट
	4) परियोजना कार्य

TERM-2 (Annual)

Periodic Test	Periodic Test-3 उत्साह, फसल, वाक्य, वाच्य
	Periodic Test-4 नेताजी का चश्मा, राम- लक्ष्मण- परशुराम संवाद अलंकार, पद- परिचय
Activities	1) संदेश-लेखन
	2) कक्षा कार्य एवं गृह कार्य
	3) श्रवण-वाचन कौशल
	4) परियोजना कार्य

SUBJECT : SANSKRIT

Prescribed Books:	1)	शेमुषीभाग-2
	2)	अभ्यासवानभव भाग-2
	3)	व्याकरणविधि
Month		Lesson/Chapter
April		पाठ-1 शुचिपर्यावरणम् 2-बुद्धिर्बलवती सदा 1 अव्यय 2 व्यंजनसंधि- प्रथमक्षराणाम् तृतीयवर्णपरिवर्तनम्, प्रथमवर्णस्य पंचमवर्णपरिवर्तनम्, सरलवाक्यानुवादः, अपठित गद्यांशं

May		3 विसर्ग संधि—विसर्गस्य उत्त्वम्, रत्वम्
June		पाठ—4 शिशुलालनम् 5—जननीतुल्यवत्सला अपठितगद्यांशं, पत्रलेखनम्, समय, चित्रवर्णनम्, वाच्यपरिवर्तनम् (लट्लकारे) अशुद्धिसंशोधनम्, अनुच्छेदलेखनम्
July		पाठ—6 सुभाषितानि 6 समास—तत्परुषु (विभक्ति), बहुव्रीही 7 प्रत्यय (तद्धित प्रत्यय) मतुप्, ठक्, त्व, तल्
August		पाठ—7 सौहार्द प्रकृतेः शोभा, पाठ 8— विचित्रः साक्षी
September		पुनरावृत्ति / अर्द्धवार्षिक परीक्षा
October		पाठ—9 सूक्तयः 1 अव्यय— 2 विसर्ग संधि –विसर्गस्यलोपः, विसर्गस्य सत्वम् स्, ष्, श् प्रयोगः, चित्रवर्णनम्, अनुच्छेदलेखनम्, सरलवाक्यानुवादः
November		पाठ—12 अन्योक्त्यः 4 समास—अव्ययीभाव (अनु, उप, सह, निर्, प्रति, यथा), द्वन्द्व (इतरेतरः) 5—स्त्रीप्रत्यय—, टाप्, डीप्, समय, अशुद्धि संशोधनं, अपठितगद्यांशं, पत्र—लेखनम्
December		पुनरावृत्ति / वार्षिक परीक्षा
January		Preboard – 1 समस्त पाठ
February		Preboard – 2 समस्त पाठ
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test	PT-1	1) शेमुषीपाठ—1, अव्यय, अपठितगद्यांशं,
	PT-2	2) शेमुषीपाठ—2, व्यंजनसंधि, सरलवाक्यानुवादः
Activities		1) कक्षाकार्य / गृहकार्य
		2) परियोजना—कार्य (पर्यावरण संबंधित)
		3) वाक्यानुवाद / समय
		4) (श्लोक / गद्यवाचन) / ASL
TERM-2 (Annual)		
Periodic Test	PT-3	3) शेमुषी पाठ—7, विसर्ग सन्धि, सरलवाक्यानुवादः, समय
	PT-4	पाठ—8 विचित्रः साक्षी स्त्री प्रत्यय— टाप् , डीप्, अशुद्धि संशोधनं, सरलवाक्यानुवादं

Activities	1) कक्षा कार्य / गृहकार्य
	2) वाचन
	3) अशुद्धिसंशोधनम्
	4) ASL / परियोजनाकार्यम्
Term 1	पाठ— 1, 2, 4, 5, 6 (शेमुषी)
	व्याकरण—अप्रैल से जुलाई तक पढाए गये सभी पाठ

SUBJECT: MATHEMATICS

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-3 Pair of Linear Equations in two variables Ch-2 Polynomials
May		Ch-8 Introduction to Trigonometry Ch-15 Probability
June		Ch-4 Quadratic Equations Ch-6 Triangles
July		Ch-14 Statistics Ch-1 Real Numbers
August		Ch-7 Co-ordinate Geometry Ch-5 Arithmetic Progression
September		Revision + Half Yearly Exam
October		Ch-9 Some Applications of Trigonometry Ch-10 Circles
November		Ch-12 Areas related to Circles Ch-13 Surface Areas and Volumes
December		Revision
January		Mock Exam
February		Annual Exam
March		

Syllabus for Term Exams and Periodic Test

Term 1

Periodic Test-1	Ch-3 Pair of Linear equations in two variables
Periodic Test-2	Ch-2 Polynomials Ch-15 Probability
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-3	Ch-7 Co-ordinate Geometry Ch-8 Some Applications of Trigonometry
Periodic Test-4	Ch-10 Circles
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)	Physics Practical Book – Laxmi Publication
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)
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	3) Ch-12: Electricity 4) 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.

SUBJECT: SCIENCE (086) 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	Classification of Elements
September	Revision of half yearly exam
October	Carbon and it's compound
November	Carbon and it's compound
December	Revision + Pre-board 1
January	Preboard 2
February	Preboard 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 and Bases
Half Yearly Exam	Chapter 1,2,3,5
Term 2 (Annual Exam)	
Periodic Test-3	Classification of Elements
Periodic Test-4	Carbon and it's compound
Annual Exam	As prescribed by CBSE.

SUBJECT: SCIENCE (086) BIOLOGY

Prescribed Books:	1)	Science NCERT Class X
	2)	Science Lab Book Class X
Month		Lesson/Chapter
March/April		Ch-6 Life Processes
May		Ch-6 Life Processes (continued) Ch-7 Control and coordination
June		Ch-7 Control and coordination (continued)
July		Ch-8 How do organisms reproduce
August		Revision
September		Revision + Half Yearly Exam
October		Ch-9 Heredity and Evolution (Evolution excluded)
November		Ch-15 Our Environment + Revision
December		Revision + Pre-Board 1
January		Pre-Board 2
February		Revision
March		Board Exam
Periodic Test-1		Ch-6 Life Processes (till Autotrophic Nutrition)
Periodic Test-2		Ch-7 Control and Coordination (till human brain)
Activities		1) Preparing a temporary mount of a leaf peel to show stomata.
		2) Experimentally show that carbon dioxide is given out during respiration.
Half Yearly Exam		Ch. 6, 7 and 8
TERM-2 (Annual)		
Periodic Test-3		Ch-9 Heredity and Evolution (Evolution excluded)
Periodic Test- 4		Ch-15 Our Environment

Activities	<p>3) Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.</p> <p>4) Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).</p>
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SUBJECT: HISTORY/CIVICS (SOCIAL SCIENCE)

Prescribed Books:	<p>1. India and the contemporary world II</p> <p>2. Democratic Politics II</p>
Month	Topics/Lessons
April	<p>History Ch 2. Nationalism in India</p> <p>Civics Ch 1. Power Sharing</p>
May	<p>History Ch-2 Nationalism in India (cont) Ch-1 The rise of Nationalism in Europe</p> <p>Civics Ch-2 Federalism</p>
June	<p>History Ch-1 The rise of Nationalism in Europe (cont)</p> <p>Civics Ch-2 Federalism</p>
July	<p>History Ch--4 The age of Industrialization</p> <p>Civics Ch-4 Gender, Religion and Caste</p>
August	<p>History Ch-4 The age of Industrialization (cont)</p> <p>Civics Ch-4 Gender, Religion and Caste</p>
September	Revision and Half Yearly Exam
October	<p>History- Ch-3 The Making of a Global World</p> <p>Civics Ch-6 Political parties</p>
November	<p>History Ch -5 Print Culture and the Modern World</p> <p>Civics Ch-7 Outcomes of democracy</p>
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	PT-1 History- ch-2 Nationalism in India Civics: ch-1 Power sharing
Periodic Test-2	PT-2 History: ch-1 The Rise of Nationalism in Europe; Civics: ch-2 Federalism; ch-1 Power Sharing(Accommodation in Belgium)
Activities	1) Copy work 2) Map work (congress sessions) 3) Diagrams on power sharing (pg 2&3) 4) Map work book
Half Yearly Exam	History- ch-2 Nationalism in India; ch-1The Rise of Nationalism in Europe; ch-4 The Age of Industrialization Map- ch-2 Nationalism in India Civics- ch-1 Power sharing; ch-1 Federalism; ch-4 Gender, Caste and Religion
Term 2 (Annual Exam)	
Periodic Test-3	History: ch-3 The Making of a Global World Civics: ch-6 Political parties
Periodic Test-4	History ch -5 Print Culture and the Modern World Civics ch-7 Outcomes of democracy
Activities	1) Copy Work 2) List of Books and Authors 3) Chart making – Parties, Ideologies and Symbols 4) Map work book

SUBJECT: GEOGRAPHY (SOCIAL SCIENCE)

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		PT1 Chapter- 1 Resources and Development.
		PT2 Chapter -2 Forest and wildlife resources
Activities		1) Copy maintenance
		2) Map work book
TERM-2 (Annual)		
Periodic Test		PT3 Chapter 5 Minerals and energy resources
		PT4 Chapter 6 Manufacturing Industry.
Activities		1. Copy maintenance
		2. Map work book.
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.
Periodic test 1		Chapter 1, 2, 3, 4
Periodic Test 2		Chapter 5, 6, 7

SUBJECT: 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		Revision Test
January		Pre Board
February		Revision
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
Half Yearly Exam		Ch-1 Development Ch-2 Sectors of the Indian Economy
Term 2 (Annual Exam)		
Periodic Test-3		Ch-2 (Comparing the three Sectors); Ch 3 Money and Credit
Periodic Test-4		Ch-3 (Formal Sector Credit in India); Ch-4 Globalisation and the Indian Economy
Annual Exam		Ch-1 Development Ch-2 Sectors of the Indian Economy Ch-3 Money and Credit Ch-4 Globalisation and the Indian Economy

SUBJECT: ARTIFICIAL INTELLIGENCE

Prescribed Books -	1. Artificial Intelligence 2. Artificial Intelligence (S. Chand & Co.)	
Month	Total No. of Periods	Chapters/Topics
April		<u>PART-B</u> 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 OpenCV
September		Revision for Half Yearly
October		Unit 6 -Natural Language Processing <u>PART-B</u> 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 Yearbook 2022
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
August		Ch-24 General Knowledge
September		Revision + Half Yearly Exam
Syllabus for Term1 (Half Yearly Exam)		
Half Yearly Exam		Ch- 3,12,15,20,24

SUBJECT: LIFE SKILLS

Prescribed Books:		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
September		Revision+ Half Yearly Exam
October		Ch 6 Motivation
November		Ch 7 Interpersonal Skills
December		Ch 8 Self-esteem
January		Revision
February		Annual Exam
March		
Syllabus for Term and Periodic Test		
Term 1 (Half Yearly Exam)		
Half Yearly Exam		Ch 1 to 4
Term 2 (Annual Exam)		
Annual Exam		Ch 5 to 8

