SARALA BIRLA PUBLIC SCHOOL

(BIRLA KNOWLEDGE CITY)

RANCHI-PURULIA HIGHWAY, VILLAGE-ARA,

P.O- MAHILONG, RANCHI – 835103, JHARKHAND

SYLLABUS (2020-21)

STD – IX

Name: _____

UID No. : _____

Class and Section: _____

English

Books	1)	Beehive – textbook for class IX (published by NCERT)
	2)	Moments – supplementary reader for class IX (published by NCERT)
	3)	Words and Expressions – 1 (Workbook) by NCERT
Month	**No. of periods**	**Lesson/Chapter**
April	19	The Fun They Had; The Lost Child; The Road Not Taken; The Snake Trying; Tenses; Determiners; Describing a person Workbook: Unit 1
May	18	The Sound of Music; The Adventures of Toto; The Lake Isle of Innisfree; The Duck and The kangaroo; Describing a place; Workbook: Unit 2
June	15	The Little Girl; IswaranThe Storyteller; Wind; A Slumber Did My Spirit Seal; Modals; Prepositions; Diary Entry Workbook: Unit 3
July	22	A Truly Beautiful Mind; Childhood; In the Kingdom of Fools; Rain on the Roof; Use of Passive Voice; Short Para Development Workbook: Unit 4,6
August	19	The Snake and The Mirror; The Happy Prince; A Legend of Northland; Subject Verb Concord; Short Story Development on Given Outline Workbook: Unit 5
September	24	Revision + Half Yearly Exams
October	14	Weathering the Storm in Ersama; The Accidental Tourist; No Men Are Foreign; On Killing a Tree; Reporting – Command, Request, Statements, Questions; Describing an Event Workbook: Unit 11
November	15	Packing; Reach for the Top; If I were You; The Last Leaf; Relative Clauses Workbook: Unit – 7, 8
December	21	The Bond of Love; Kathmandu; A House is Not A Home; The Beggar; Noun Clauses; Adverb Clauses of Condition and Time; Developing a Short Story on the given cues

		Workbook: Unit – 9, 10
January	15	Revision
February		Revision + Annual Exams
March		Final Examination continued.

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Test	PT-1 The Road Not Taken; The Lost Child; The Snake Trying; Tenses; Determiners; Describing a person
	PT-2 The Little Girl; The Adventures of Toto; Wind; Modals; Prepositions; Diary Entry
Activities	1. Vocabulary Test (MCQ)
	2. Extempore
	3. Project on Important People in the Field of English (Poets and Authors)
TERM-2 (Annual)	
Periodic Test	PT-3 Weathering the Storm in Ersama; No Men are Foreign; Reporting – Command, Request, Statement, Question; Describing an Event
	PT-4 Packing; The Last Leaf; On Killing A Tree; Relative Clauses; Short Para Development
Activities	1. Delivering a Speech
	2. Debate
	3. Summary of a Classic Story
Term 1	Syllabus taught from April to August
Annual Exam	Syllabus taught from April to January

Hindi

Prescribed Books:	1)	क्षितिज भाग–1
	2)	कृतिका भाग–1
	3)	सरस्वती हिंदी व्याकरण

Month	**Total No. of periods**	**Lesson/Chapter**		
		क्षितिज– 1	**कृतिका– 1**	**व्याकरण**

April	19	1.दो बैलों की कथा 2.साखियां		शब्द निर्माण उपसर्ग,प्रत्यय, पत्रलेखन (अनौपचारिक)
May	6	3.ल्हासा की ओर		समास
June	15	4.वाख	1.मेरे संग की औरतें	अर्थ की दृष्टि से वाक्यभेद
July	22	5.सांवले सपनों की याद 6. कैदीऔरकोकिला		अलंकार, निबंध लेखन
August	19	6.कैदी और कोकिला		पत्र लेखन, (औपचारिक) अलंकार, अपठित बोध
Septembe r	24	**अभ्यास, कक्षा जांच एवं अर्धवार्षिक परीक्षा**		
October	14	7.नानासाहब की पुत्री दवी मैना को भस्म कर दिया गया 8.चंद्रगहना से लौटती बेर	2.रीढ़ की हड्डी	उपसर्ग एवं प्रत्यय
November	15	9. प्रेमचंद के फटे जूते 10.मेघआए	3. माटीवाली	संवाद लेखन
December	21	11.मेरे बचपन के दिन 12.यमराज की दिशा		अपठित बोध अर्थ की दृष्टि से वाक्य भेद
January	15	13.बच्चे काम पर जा रहे हैं		अलंकार, समास
February	23	**अभ्यास, कक्षा जांच एवं वार्षिक परीक्षा**		
March		**वार्षिक परीक्षा**		

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Tests	PT-1 दो बैलों की कथा,ल्हासा की ओर,उपसर्ग एवं प्रत्यय
	Periodic Test 2

	वाख, ल्हासा की ओर, पत्र ,समास
Activities	काव्य पाठ, भाषण प्रतियोगिता, वाद-विवाद प्रतियोगिता, अभिनय कला प्रदर्शन, आशुवाचन, संवाद आदि । परियोजना कार्य:-समाचारपत्र निर्माण, अलंकारशाखा निर्माण, किसी सामाजिक अथवा सामयिक विषय पर परियोजना अथवा रचनात्मक कार्य, निबंध लेखन, संवाद लेखन, पत्र लेखन, कक्षाकार्य एवं गृह-कार्य, उत्तर पुस्तिका ।
TERM-2 (Annual)	
Periodic Test	Periodic Test 3 प्रेमचंद के फटे जूते, चंद्र गहना से लौटती बेर ,उपसर्ग एवं प्रत्यय
	Periodic Test 4 मेघ आए, अपठितबोध, समास, अलंकार
Activities	1.पत्र लेखन 2.वाचन एवं काव्य पाठ 3.निबंध लेखन 4.परियोजना कार्य
Half Yearly	क्षितिज- दो बैलों की कथा, साखियां, ल्हासा की ओर , वाख, सवैये, सांवले सपनों की याद , कैदी और कोकिला व्याकरण- संवाद लेखन, प्रत्यय, समास, अपठितबोध, अलंकार, पत्र एवं निबंध लेखन, अर्थकीदृष्टि से वाक्य भेद कृतिका-मेरे संग की औरतें
Annual Exam	क्षितिज-दो बैलों की कथा ,साखियां ,ल्हासा की ओर, वाख, सवैये ,सांवले सपनों की याद, कैदी और कोकिला, नाना साहब की पुत्री देवी मैना, चंद्र गहना से लौटती बेर, प्रेमचंद के फटे जूते, मेघ आए, मेरे बचपन के दिन ,यमराज की दिशा, बच्चे काम पर जा रहे हैं व्याकरण-संवादलेखन, उपसर्ग, प्रत्यय, समास, अपठितबोध, अलंकार, निबंधलेखन, अर्थ की दृष्टि से वाक्य

	भेद, शब्दनिर्माण एवं पत्र लेखन कृतिका–मेरे संग की औरतें, रीढ़ की हड्डी एवं माटीवाली
	अप्रैल से दिसंबर तक पढ़ाए गए सभी पाठ ।

संस्कृतम्

Prescribed Books:	1)	शेमुषी-1
	2)	अभ्यासवान् भव
	3)	**व्याकरणवीथि:**
Month	**Total No. of periods**	**Lesson/Chapter**
April		सन्धि-स्वर,सरल अनुवाद 2 स्वर्णकाक:परस्मैपदधातुरूपाणि-गम्,पठ्, भू, अस्, कृ, पा(लट्, लृट्, लङ्गलकारे)
May		शब्दरूपाणि-बालक, लता,नदी, साधु अनुच्छेद लेखनम्, उपपद विभक्ति-चतुर्थी विभक्ति पर्यन्तम्, संख्या-(1-50) चित्रवर्णनम्
June		4 कल्पतरु:सर्वनाम शब्द रूपाणि-अस्मद्, युष्मद्, पत्रलेखनम्, अनुवादं
July		5-सूक्तिमौक्तिकम् आत्मनेपद धातुरूप-सेव्,लभ्(लट्, लृट् लकारे), अपठित अवबोधनम्
August		6 भ्रान्तोबाल: प्रत्यय-क्त्वा,ल्यप्,तुमुन्, उपसर्ग, धातुरूपाणि- लोट्, विधिलिङ्
September		**पुनरावृत्ति + अर्धवार्षिक परीक्षा**
October		8- लौहतुला धातुरूपाणि- दृश्, वद् क्रीड्, नी(पञ्चलकारेषु) , शब्दरूपाणि-मातृ, पितृ), उपपद-(पञ्चमी-सप्तमी विभक्ति)
November		9-सिकतासेतु: संख्या-(51-100), पत्रलेखनम्, अनुच्छेदलेखनम्, व्यञ्जन सन्धि:- वर्गीय प्रथम वर्णस्य तृतीय वर्णे परिवर्तनम्, 'म'स्थाने अनुस्वार:
December		10-जटायो: शौर्यम् विसर्गसन्धि:-उत्वम्, अनुवादं, अपठित गद्यांशं, उपसर्ग
January		11-पर्यावरणम् 12-वाङ्मन : प्राणस्वरूपम् प्रत्यय-(क्तवतु, शतृ, शानच्), चित्रवर्णनम्
February		पुनरावृत्ति +वार्षिक परीक्षा

March		
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test	PT-1 स्वर्णकाक: , धातुरूप(लट्, लृट्, लङ्ग), अनुवाद	
	PT-2 कल्पतरू:, सन्धि(स्वर) , धातुरूप, संख्या-(1-4 प्रथमा विभक्ति) सिकतासेतु:	
Activities	1) कक्षा-कार्य ,गृह-कार्य	
	2) वाचन	
	3) परियोजना-कार्य	
	4) श्लोकवाचन	
TERM-2 (Annual)		
Periodic Test	PT-3 8-लौहतुला, धातुरूप, सन्धि (स्वर) , उपपद (पञ्चमी-सप्तमी)	
	PT-4 9-सिकतासेतु:, 8-लौहतुला, अपठितअवबोधनम्, सर्वनामशब्दरूपाणि	
Activities	1) कक्षा-कार्य, गृह-कार्य	
	2) शब्दरूपं	
	3) अनुच्छेदलेखनम्	
	4) संवादं	
Term 1	अप्रैल से अगस्त तक पढ़ाए गए पाठ	
Annual Exam	प्रथम एवं द्वितीय सत्र के समस्त पाठ	

Mathematics

Prescribed Books:	1)	NCERT
	2)	Activity plus in Mathematics
Month	**Total No. of periods**	**Lesson/Chapter**
April	19	Ch-1 Number Systems Ch-2 Polynomials
May	11	Ch-2 Polynomials (continued)
June	15	Ch-3 Coordinate Geometry

		Ch-5	Introduction to Euclid's Geometry
July	22	Ch-6 Ch- 7	Lines and Angles Triangles
August	19	Ch-12 Ch-14	Herons Formula Statistics
September		**Revision + Half Yearly Exam**	
October	14	Ch-4 Ch-8	Linear Equation in Two Variables Quadrilaterals
November	15	Ch-9 Ch-10	Areas of Parallelograms and Triangles Circles
December	21	Ch-11 Ch-13 Ch-15	Constructions Surface Areas and Volumes Probability
January		Revision	
February		Revision + Annual Exam	
March			

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Test	PT-1 Ch-1 Number Systems
	PT-2 Ch-2 Polynomials, Operations on Real Numbers
Activities	1.2 -An Irrational Number 3.1 -Quadrants and Coordinates 4.4 -Inequality Relations in a triangle 6.1 –Histogram
TERM-2 (Annual)	
Periodic Test	PT-3 Ch-6 Lines and Angles, Real Numbers and their decimal expansion, Remainder and Factor theorem
	PT-4 Ch-4 Linear Equation in Two Variables, Laws of Exponents for Real numbers, Factorization and Algebraic identities, Parallel lines and transversal
Activities	6.2 -Finding Experimental Probability

	4.6 -Mid-point theorem 4.15-Cyclic Quadrilaterals 4.16 -Comparison of diagonals in different Quadrilaterals
Term 1	Ch-1,2,3,5,6,7,12,14
Annual Exam	Ch-1 to 15

Science

Prescribed Books:	1)	Science (NCERT)
	2)	NCERT Exemplar
	3)	Science Activity : Laxmi publication
	4)	Science (Textbook for Class IX)

Month	**Total No. of periods**	**Lesson/Chapter**	
		Physics	**Chemistry**
April	19	Ch-8 Motion	Ch-1 Matter in Our Surroundings
May	18	Ch-8 Motion (conti….)	Ch-2 Is Matter Around Us Pure
June	15	Ch-9 Force and laws of Motion	Ch-2 Is Matter Around Us Pure (conti….)
July	22	Ch-9 Force and laws of motion (conti…..)	Ch-3 Atoms and Molecules
August	19	Ch-10 : Gravitation(upto Mass and Weight)	Ch-3 Atoms and Molecules (conti…..)
September	24	**Revision + Half yearly exam**	
October	14	Ch-10: Gravitation (conti…..)	Ch-4 Structure of the Atom
November	15	Ch-11: Work and Energy	Ch-4 Structure of the Atom (conti……)
December	21	Ch-12 : Sound	Chapter :14 Natural Resources
January		**Revision**	Chapter: 14 Natural Resources (conti….)
February		**Revision**	**Revision**

March		Annual Exam
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test		PT-1 Physics- Ch-8 MOTION – Topics: - Distance and displacement, Uniform and Non Uniform motion, Rate of motion, Velocity and Acceleration.
		Chemistry- Ch-1 Matter in Our Surroundings.
		PT-2 Physics - Ch-9 FORCE AND LAWS OF MOTION Topics: - Balanced and Unbalanced force, first and second laws of motion, mathematical formulation of second law and related numerical, Ch-8 MOTION - Topics: - Velocity, Acceleration, Equation Of motion by Graphical method and numerical.
		Chemistry - Ch-2: Is Matter Around Us Pure + Evaporation
Activities		Physics – 1) Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.
		Chemistry - Lab activity-1,2,3
TERM-2 (Annual)		
Periodic Test		PT-3 Physic- Ch-10 GRAVITATION (Full chapter). Ch-9 FORCE AND LAWS OF MOTION- Topics:-Reasoning questions based on First, Second and Third laws of motion. Ch-8: MOTION-Topic: – Graphical representation of motion
		Chemistry - Ch-3: Atoms and Molecules Ch-1:States of Matter Ch-2:Types of mixtures
		PT-4 Physics – Chap-11 WORK AND ENERGY Topics: Work, energy, KE and PE of an object Chater-10 GRAVITATION - Topics: - Archimedes principle, relative density.
		Chemistry - Ch-4: Structure of the Atom

	Ch-1: Sublimation Ch-2: Crystallization Ch-3: Writing chemical formula.
Activities	Physics – 1) Establishing the relation between the loss in weight of a solid when fully immersed in a) tap water b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
	2) Verification of the Laws of reflection of sound.
	3) Assignment based on characteristics of sound wave and its graphical representation.
	Chemistry -Lab activity- 4,5
Term -1	Physics- Ch-8,9,10
	Chemistry - Chapters-1,2,3
Annual Exam	Physics – Ch-8,9,10,11,12
	Chemistry - Chapters-1,2,3,4,14

BIOLOGY

Prescribed Books:	1)	SCIENCE: A TEXTBOOK FOR CLASS IX- NCERT
	2)	Lab Practical Book- Lakshmi Publication
	3)	NCERT Exemplar
Month	Total No. of periods	Lesson/Chapter
April	12	Ch-5 The Fundamental Unit of Life
May	3	Ch-5 The Fundamental Unit of Life(Continued)
June	9	Ch-6 Tissues
July	12	Ch-6 Tissues(Continued)
August	12	Ch-15 Improvement In Food Resources +Revision
September		Revision + Half Yearly Exam
October	9	Ch-7 Diversity In Living Organisms
November	9	Ch-7 Diversity In Living Organisms
December	9	Ch-13 Why do we fall ill
January	12	Revision
Syllabus for Term Exams and Periodic Test		
TERM-1		

Periodic Test	PT- 1 Ch-5 (Structural Organisation: Cell wall,Plasma membrane, Cytoplasm, Nucleus (Page 57-62
	PT-2 Ch-5 (Endoplasmic reticulum, Golgi apparatus, Lysosomes, Mitochodria, Plastids and vacuoles Ch-6 (Meristematic tissue and Simple Permanent tissue)
Activities	Lab activity-5(A and B), 6(A and B)
Term-2 (Annual)	
Periodic Test	PT-3 Ch-5(Nucleus) Ch- 6(Complex Permanent tissue) Ch-7(Basis 0f classification, hierarchy,five kingdom classification)
	PT-4 Ch-5 (Cell wall ,Mitochodria,Plastids) Ch-7(Plantae-Cryptogamae)
Activities	Lab activity-12,13
Term-1	Ch- 5,6,15
Annual Exam	Whole Book

Social Science

Prescribed Books:	1)	History : India and the contemporary world – I (NCERT)		
	2)	Civics : Democratic politics – I (NCERT)		
	3)	Geography: Contemporary India I		
Month	**Total No. of periods**	**Lesson/Chapter**		
		History	**Civics**	**Geography**
April	19	Ch-1 The French Revolution	Ch-2 What is democracy?	Ch-1 India size and location. Ch-2 Physical feature of India
May	12	Ch-1The French Revolution	Ch-3 The Constitutional Design	Ch-2 physical feature of India. (continued)
June	15	Ch-2 The Age of	Ch-3 The	Ch-3 Drainage

		Socialism…	Constitutional Design	
July	22	Ch-2 The Age of Socialism…	Ch-4 Electoral Politics	Ch-3 Drainage.(continued)
August	19	Ch-3 Rise of Nazism…; Revision	Ch-4 Electoral Politics; Revision	Revision
September	4	**Revision + Half Yearly Exam**		
October	13	Ch-3 Rise of Nazism	Ch-5 Working of Institutions	Ch-4 Climate.
November	15	Ch-4 Forest Society and Colonialism	Ch-5Working of Institutions	Ch-5 Natural vegetation and wildlife.
December	21	Ch-4 Forest Society and Colonialism	Ch-6 Democratic Rights	Ch-6 Population.
January	5		Ch-6 Democratic Rights	
February				
March		**Annual Exam**		

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Test	Periodic Test 1 History - Ch1(Pg. 3 to 5) Civics- Ch-2 (Pg. 26 to 30) Geography- Ch-1
	PT-2 History–Ch-2 + Ch1 (Role of middle class and philosophers) Civics -Ch-3 + Ch-2 (Arguments against democracy) Geography- Ch-2 From Chapter 1 size and location
Activities	1) Copy work/maintenance
	2) Map work (France ; World – Central and Allied Powers)
	3) Project- Disaster Management
	4) Map work book
TERM-2 (Annual)	
Periodic Test	PT-3 History -Ch-3 + Ch-2 (Pg. 42) Civics – Ch-4 + Ch-3 (Pg. 51)

	Geography - Ch-4 from Ch-3 , Drainage pattern
	PT-4 History - Ch-4 + Ch-3 (Pg. 54 & 55) Civics - Ch-5 + Ch-4 (Pg. 69) Geography- Ch-5 Natural vegetation and wildlife. Ch-4 climate topic major climatic controls
Activities	1) Copy work/maintenance
	2) Map work(World—Axis and Allied Powers; India--Forest societies)
	3) Flowchart (Electoral Politics)
	4) Map work book.
Term-1	History - Ch-1, 2
	Civics- Ch-2, 3, 4
	Geography –Ch-1, 2, 3 and relevant chapters of map work book.
Annual Exam	History - Ch-1, 2, 3, 4
	Civics - Ch-2, 3, 4, 5, 6
	Geography -Ch-1, 2, 3, 4, 5, 6 and Relevant Chapters of map work book.

ECONOMICS

Prescribed Books:	1)	Economics Textbook for class IX
Month	**Total No. of periods**	**Lesson/Chapter**
April	4	Ch-1 The Story of Village Palampur
May	4	Ch-2 People as Resource
June	3	Ch-2 People as Resource (cont)
July	4	Ch-3 Poverty as a Challenge
August	4	Ch-3 Poverty as a Challenge (cont)
September		**Revision + Half Yearly Exam**
October	4	Ch-4 Food Security in India
November	4	Ch-4 Food Security in India(cont)
December	4	Revision
January	4	Revision
February		**Annual Exam**
March		

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Test	PT-1 Ch-1
	PT-2 Ch-2, Ch-1(Will the land sustain)
Activities	Project (group)
TERM-2 (Annual)	
Periodic Test	PT-3 Ch-3, Ch-2 (Economic Activity by Men and Women)
	PT-4 Ch-4, Ch-2 (Unemployment), Ch-3(Vulnerable Groups)
Activities	1) Copy work
	2) Individual activity
Term 1	Ch-1 and 2
Annual Exam	Ch-1, 2, 3 and 4

COMPUTER

Prescribed Books:	1)	Artificial Intelligence
Month	**Total No. of periods**	**Lesson/Chapter**
April		Ch-1 Artificial Intelligence
May		Ch-1 Artificial Intelligence(continued)
June		Ch-1 Artificial Intelligence(continued)
July		Ch-2 AI Project Cycle
August		Ch-2 AI Project Cycle(continued)
September		Revision + Half Yearly Exam
October		Ch-3 Introduction to Neural Networks
November		Ch-3 Introduction to Neural Networks(continued)

December		Introduction to Python
January		Introduction to Python(continued)
February		**Revision + Annual Exam**
March		**Annual Exam**
Syllabus for Term Exams and Periodic Test		
Half Yearly Exam		Ch-1 Artificial Intelligence
		Ch-2 AI Project Cycle
Annual Exam		Ch-3 Introduction to Neural Networks
		Ch-4 Introduction to Python

General Knowledge

Prescribed Books:		MANORAMA YEARBOOK 2020
Month	**Total No. of periods**	**Lesson/Chapter**
April	4	Ch-1 India & the World
May	3	Ch-4 Government Initiatives
June	3	Ch-5 Science & Medicine
July	4	Ch-6 Information Technology
August	4	Ch-7 Environment
September		**Revision and Half yearly exam**
October	4	Ch-8 Geography & Space Ch-9 India Insignia
November	4	Ch-10 Geography & people Ch-11 Indian History
December	4	Ch-12 Polity
January		Revision
February		Annual Exam

Life Skill

Prescribed Books:	1)	WINNERS by Shiv Khera	
Month	**Total No. of periods**	**Lesson/Chapter**	
April	4	Ch-1	Values
May	4	Ch-2	Go forward and excel
June	3	Ch-3	Building Positivity
July	4	Ch-4	Habits
August	4	Ch-5	Bullying
September		**Revision+ Half yearly exam**	
October	4	Ch-6	Procrastination
November	4	Ch-7	Team work
December	4	Ch-8	Stress handling
January	4	Revision	
February		Annual exam	