

SARALA BIRLA PUBLIC SCHOOL

Mahilong Ranchi

Syllabus 2017-2018

Name : _____

UID: _____

Std: XI _____

Subject : English

Prescribed books	1.	English Textbook (Hornbill)- NCERT
	2.	Snapshots (Supplementary Reader)- NCERT
	3.	Novel- The Canterville Ghost (Unabridged novel)- NCERT
Month	Total no. of periods	Lesson/ Chapter
June	14	HORNBILL-The Portrait of a Lady; A Photograph; Discovering Tut Notice Writing; Determiners
July	21	SNAPSHOTS-The Summer of a Beautiful White Horse, Ranga's Marriage; Advertisement; Article; Official Letter Novel- The Canterville Ghost (ch1 to 4)
August	21	HORNBILL-We're Not Afraid to Die; Childhood SNAPSHOTS - The Address Modals; Report Writing Note Making & Summary Writing.
September	18	Revision + Half-Yearly Exams-portion taught (June to Aug.)
October	16	HORNBILL-Voice of the Rain; The Ailing Planet Tenses
November	21	SNAPSHOTS-Albert Einstein at School; Mother's Day Poster; Clauses
December	16	HORNBILL- The Browning Version Speech; Debate; The Canterville Ghost (ch5-7)
January	20	HORNBILL-Father to Son SNAPSHOTS-Birth; A Tale of Melon City Change of voice
February	19	Revision + Annual Exam

March	21	Final Exams (complete syllabus)
Syllabus for Term Exams and Periodic test		
Term 1		
Periodic Test-1 19.06.17	Unseen Passage Notice Writing; The Portrait of a Lady; Determiners	
Periodic Test-2 14.08.17	Unseen Passage Address; Childhood Modals and Determiners	
Term 2		
Periodic Test-3 13.11.17	Unseen Passage Tenses Voice of the Rain; The Ailing Planet	
Periodic Test-4 08.01.18	Unseen Passage Speech; Debate Albert Einstein at School; The Browning Version Speech; Debate;	
Half Yearly Exam	Portion Taught From June To August Weightage Of Marks: Reading Unseen Passage (Two) : 15 Marks Writing: 20 Marks Grammar: 10 Marks Textual Questions(Textbook And Supplementary Reader): 20 Marks Long Reading Text- Novel : 15 Marks	
Annual Exam	Complete Syllabus (Portion Taught From June To January) Weightage Of Marks: Reading Unseen Passage (Two) : 15 Marks Writing: 20 Marks Grammar: 10 Marks Textual Questions(Textbook And Supplementary Reader): 20 Marks Long Reading Text- Novel : 15 Marks	

Subject : Physics

Prescribed book:-	1.	NCERT Text Book(part 1 & part 2)
	2.	NCERT EXEMPLER
	3.	Physics Practical Book – Laxmi publication.
Month	Total no. of periods	Chapter/Topic
June	14	Unit - Physical World: - Chapter 1- Unit and Measurement Chapter 2 – Unit and Measurement.
July	21	Unit - Kinematics: - Chapter 3 – Motion in Straight line Chapter 4- Motion in Plane.
August	21	Unit-Laws of Motion :- Chapter 5 –Laws of Motion.
September	18	Revision + Half yearly Exam.
October	16	Unit- Work Power and Energy: - Chapter 6- Work Power and Energy Unit – System of particles and Rigid Body:- Chapter 7- System of particles and rigid body.
November	18	Chapter 7 - System of particles and Rigid Body Unit – Gravitation:- Chapter 8 – Gravitation.
December	20	Unit – Properties of Bulk Matter :- Chapter 9- Mechanical properties of solid Chapter 10 – Mechanical properties of fluid Chapter 11- Thermal properties of matter.
January	19	Unit- Thermodynamics:- Chapter 12 – Thermodynamics Unit – Behaviour of perfect Gases and kinetic theory of gases :- Chapter 13 - Behaviour of perfect Gases and kinetic theory of gases. Unit- Oscillation and waves:- Chapter 14 & 15 – oscillation and waves.
February		Revision + Annual Exam (Practical Exam)
March		Final Exam.
Syllabus for Term Exams and Periodic test		
Term 1		

Periodic test 1	(a) Unit and measurement (b) Motion in straight line.
Periodic test 2	(a) Motion in Plane.
Half Yearly Exam	Portion from June-August
Term 2	
Periodic test 3	(a) Work power and Energy (b) System of particles and Rigid body.
Periodic test 4	(a) Properties of matter (b) Thermodynamics.
Final Exam	Complete Syllabus

Subject: Chemistry

Prescribed Books	1.	NCERT Text Book (Part 1 + Part 2)
	2.	Chemistry Practicals – Laxmi Publication(Lab Book)
Month	Total no. of periods	Chapter/Topic
June	14	1. Some basic concepts of chemistry.
July	21	2. Structure of atom 3. Classification of elements & periodicity in properties.
August	21	4. Chemical bonding & molecular structure. 5. States of matter – gases & liquids.
September	Revision +Half Yearly Exam	
October	16	6. Thermodynamics. 7. Equilibrium
November	18	7. Equilibrium 8. Redox reactions. 9. Hydrogen
December	16	10. The s – block elements 11. The p – block elements 12. Organic chemistry- some basic principles and techniques.
January	20	12. Organic chemistry- some basic principles and techniques. 13. Hydrocarbons 14. Environmental chemistry
February	Revision and Final Exam	
March		Final exam

Syllabus for Term Exams and Periodic test	
Term 1	
Periodic Test1 24.07.2017	Chapter-1 Some basic concepts of chemistry. Chapter-2 Structure of atom
Term-2	
Periodic Test 2 16.10.2017	Chapter-5 States of matter – gases & liquids. Chapter-6 Thermodynamics.
Periodic Test 3 04.12.2017	Chapter-7 Equilibrium Chapter-8 Redox reactions
Periodic Test 4 05.02.2017	Chapter-12 Organic chemistry - some basic principles and techniques. Chapter-13 Hydrocarbons
Half – Yearly Exam	Chapter -1 Some basic concepts of chemistry. Chapter -2 Structure of atom Chapter -3 Classification of elements & periodicity in properties. Chapter -4 Chemical bonding & molecular structure. Chapter -5 States of matter – gases & liquids
Final Exam	Complete Syllabus

Subject : Biology

Prescribed Books	1.	NCERT Text Book (Part 1 + Part 2)
	2.	Together with Biology(Rachna Sagar Publication)
Month	Total No. of periods	Lesson/Chapter
June	14	Diversity in living World
July	21	Structural organisation in Plants and Animals
August	21	Cell-Structure and Function, Biomolecules and Cell Division
September	Revision + Half Yearly Exam	
October	16	Plant Physiology
November	18	Plant Physiology(Contd.)
December	16	Human Physiology
January	20	Human Physiology(Contd.)
February	Revision + Annual Exam	
March		

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Test 1	Biological Classification and Plant kingdom
Periodic Test 2	Biomolecules , Fungi, binomial nomenclature
Half Yearly Exam	Portion from June-August
TERM-2	
Periodic Test 3	Photosynthesis , algae, structure of DNA
Periodic Test 4	Excretory system, Nerve impulse , Light Reaction
Final Exam	Complete Syllabus

Subject : Mathematics

Prescribed Books	1.	Mathematics Textbook for class XI - NCERT
	2.	Mathematics Exemplar Textbook - NCERT
	3.	Mathematics Reference Book –R.S. Agrawal

Month	Total No. of periods	Lesson/Chapter
June	14	Ch-1 Sets Ch-2 Relations and Functions Ch-3 Trigonometric Functions
July	22	Ch-3 Trigonometric Functions (continued) Ch-4 Principle of Mathematical Induction Ch-5 Complex Numbers and Quadratic Equations Ch-6 Linear Inequalities
August	23	Ch-7 Permutations and Combinations Ch-8 Binomial Theorem Ch-9 Sequences and Series
September	Revision + Half Yearly Exam	
October	16	Ch-10 Straight Lines Ch-11 Conic Sections
November	22	Ch-12 Introduction to Three Dimensional Geometry Ch-13 Limits and Derivatives
December	21	Ch-14 Mathematical Reasoning Ch-15 Statistics
January	18	Ch-16 Probability
February	Revision + Annual Exam	
March		

Syllabus for Term Exams and Periodic Test	
TERM-1	
Periodic Test 1 3/07/17	Ch-1 Sets Ch-2 Relations and Functions
Periodic Test 2 21/08/17	Ch-3 Trigonometric Functions Ch-5 Complex Numbers and Quadratic Equations
Assignment	Ch-1 to Ch-9
Half Yearly Exam	Portion from June - August

TERM-2	
Periodic Test 3 20/11/17	Ch-2 Functions Ch-3 Relation between degree and radian Ch-11 Conic Sections
Periodic Test 4 15/01/18	Ch-12 Introduction to Three Dimensional Geometry Ch-13 Limits and Derivatives
Assignment	Ch-1 to Ch-16
Final Exam	Complete Syllabus

Subject : Informatics Practices

Prescribed books	1.	Informatics Practices by Sumita Arora
	2.	CBSE reference book
Month	Total No. of periods	Lesson/Chapter
June	14	Ch-1: Hardware Concepts Ch-2: Software Concepts
July	22	Ch-3: Getting Started with IDE Ch-4: Programming Fundamentals Ch-5: Flow of Control
August	23	Ch-6: JAVA IDE Programming- I Ch-7: JAVA IDE Programming- II
September		Revision + Half yearly Exam.
October	16	Ch-8: JAVA IDE Programming - III Ch-9: Programming Guidelines
November	22	Ch-10: DBMS Concept Ch-11: Introduction to MySQL Ch-12: Simple Queries in SQL
December	21	Ch-13: MySQL Functions Ch-14: Data Manipulation

January	18	Ch-15:IT Applications
February		Revision + Annual Exam (Practical Exam) – Pre Board.
March		Final Exam.
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test 1		Ch-1: Hardware Concepts Ch-2: Software Concepts
Periodic Test 2		Ch-5:Flow of Control Ch-6:JAVA IDE Programming- I
Half Yearly Exam		Portion from June - August
TERM-2		
Periodic Test 3		Ch-9: Programming Guidelines Ch-10: DBMS Concept
Periodic Test 4		Ch-12:Simple Queries in SQL Ch-13: MySQL Functions
Final Exam		Complete Syllabus

Subject : Computer Science

Prescribed books	1.	Informatics Practices by Sumita Arora
	2.	CBSE reference book
Month	Total No. of periods	Lesson/Chapter
June	14	Computer Fundamentals, Working with Operating System
July	22	Data Representation Memory units
August	23	Programming Methodology Overview of C++ C++ operators & Expression
September		Revision + Half yearly Exam.
October	16	Control Statements Library Functions
November	22	Header Files Functions
December	21	Array
January	18	Structures

February		Revision + Annual Exam (Practical Exam) – Pre Board.
March		Final Exam.
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic test 1		Computer Fundamentals Working with operating system Data representation
Periodic test 2		Introduction [C++] operators and expressions control statements
Half Yearly Exam		Portion from June-August
TERM-2		
Periodic test 3		Library functions Header files Functions
Periodic test 4		Array Structure
Final Exam		Complete Syllabus

Subject : PHE

Prescribed Books	1.	CBSE Text Book-Physical Education and Health (Dr. A.K. Srivastava & Dr. N.K. Gaur)
	2.	Ph.EPracticals – B.R. Internationals Publishers.
Month	Total No. Of Working Days	Lesson/Chapter
June	14	Ch - 1 : Changing Trends & Career In Physical Education Ch - 2 : Olympic Movement
July	21	Ch - 3 : Physical Fitness, Wellness & Lifestyle Ch - 4 : Physical Education & Sports for Differently Abled
August	21	Ch - 5 : Yoga Ch - 6 : Physical Activity & Leadership Training
September		Revision +Half Yearly Exam
October	16	Ch - 7 : Test, Measurement & Evaluation Ch - 8 : Fundamentals Of Anatomy & Physiology
November	18	Ch - 9 : Kinesiology, Biomechanics & Sports
December	16	Ch - 10 : Psychology & Sports
January	20	Ch - 11 : Training In Sports

		Ch - 12 : Doping
February		Revision/Final Exam
March	21	Final exam
Syllabus for Term Exams and Periodic Test		
TERM-1		
Periodic Test 1	Unit-I : Changing Trends & Career In Physical Education Unit-II : Olympic Movement	
Periodic Test 2	Unit-III : Physical Fitness, Wellness & Lifestyle Unit-IV : Physical Education & Sports for Differently Abled	
TERM-2		
Periodic Test 3	Unit-VII : Test, Measurement & Evaluation Unit-VIII : Fundamentals Of Anatomy & Physiology	
Periodic Test 4	Unit-IX : Kinesiology, Biomechanics & Sports Unit-X : Psychology & Sports	
Half Yearly Exam	Unit-I : Changing Trends & Career In Physical Education Unit-II : Olympic Movement Unit-III : Physical Fitness, Wellness & Lifestyle Unit-IV : Physical Education & Sports for Differently Abled Unit-V : Yoga Unit-VI : Physical Activity & Leadership Training	
Final Exam	Complete syllabus	

Subject : Hindustani Music (Vocal)

Month	Chapter/Topic
June	THEORY - Definition - Dhawani, NadaShruti, SwaraSaptak, Thaata, Raga PRACTICAL - Rag Vrindavani Saraug Drut Khayal
July	THEORY - Definitions - Swarmalika, Lakshan Geet Nibadha and Anibaddhagan, Laya, Tala PRACTICAL - Rag Jounpuri Drut Khayal, Recitation of Thekas of Dadra, Keharwa
August	THEORY - Description of Ragas. Contribution and short Life sketch of Miyan Tansen PRACTICAL - Rag Jaunpuri Vilambit Khayal, Recitation of Thekas of Teen Tal, Char Tal
September	Revision + Half Yearly Exam
October	THEORY - Brief history of Dhrupad, Khayal, Tarana - Brief Knowledge of Gharanas PRACTICAL - Rag Bihag Drut Khayal

November	THEORY - Writing in notation the composition of Ragas PRACTICAL - Rag BihagDrutKhayal with tan
December	THEORY - Writing in Tala notation, Thah and Dugun of prescribed Talas PRACTICAL - Dhruvad
January	THEORY - Life sketch of Pt. V.N.Bhatkhande,Pt. Vishnu DigamberPaluskar PRACTICAL -LakshanGeet, Swarmalika
February	THEORY - Revision PRACTICAL - Devotional song
March	Annual Exam

Syllabus for Term Exams and Periodic test

Term 1

Periodic Test-1	Defination, Rag Parichay Tal - Dadra, Kaharwa
Periodic Test-2	Defination of Dhruvad, Dhamar,Tarana, Notation Tal – Teental, Chartal
Half Yearly	Syllabus from June-August

Term 2

Periodic Test-3	Gharanas, Rag, Parichay Tal - Sultal
Periodic Test-4	All the definations notation (vilambit) Tal Thah and dugun
Final Exam/ Pre-Board	Complete Syllabus

Subject : Fine Arts (PAINTING)

Prescribed Books	1. History of Indian Art
Months	Lesson/Topic
June - August	Ch – 1 Pre-Historic Rock Paintings Ch – 2 Bhimbedka – An Introduction Ch – 3 Study of Rock Paintings Ch – 4 Art of Indus Valley – An Introduction Ch – 5 Study of Sculptures and Terracottas Ch – 8 Art during Mauryan, Shunga, Kushana and Gupta Period
September	Revision + Half Yearly Exam
October-January	Ch – 9 Study of Sculptures Ch – 10 Introduction to Ajanta

	Ch – 11 Study of Paintings Ch – 12 Introduction to Temple Sculptures Ch – 13 Study of Temple Sculptures Ch – 16 Artistic Aspects of the Indo – Islamic Architecture Ch – 17 Study of Architecture
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Syllabus for Term Exams and Periodic test	
Term 1	
Periodic Test-1	Ch – 1 Pre-Historic Rock Paintings Ch – 2 Bhimbedka – An Introduction Ch – 3 Study of Rock Paintings
Periodic Test-2	Ch – 4 Art of Indus Valley – An Introduction Ch – 5 Study of Sculptures and Terracottas Ch – 8 Art during Mauryan, Shunga, Kushana and Gupta Period
Half Yearly	Syllabus from June-August
Term 2	
Periodic Test-3	Ch – 9 Study of Sculptures Ch – 10 Introduction to Ajanta Ch – 11 Study of Paintings
Periodic Test-4	Ch – 12 Introduction to Temple Sculptures Ch – 13 Study of Temple Sculptures Ch – 16 Artistic Aspects of the Indo – Islamic Architecture Ch – 17 Study of Architecture
Final Exam/ Pre-Board	Complete Syllabus

PRACTICAL

Units		Months
1.	Nature and Object Study	June-September
2.	Painting – Composition	October- December
3.	Portfolio Assessment	January