









English

Month	LANG	UAGE	LITERATURE		
	Writing Skill	Grammar	Main Course Book	Interact in English	
April	Speech Writing	Determiners	U5D. Harry Potter	F1: How I Taught My Grandmother to Read	
	Notice Writing	Verb Forms			
		Tenses		F3: The Man Who Knew Too Much	
April	Informal Letter		U6D. Life Skills	P1: The Brook	
		PERIO	DIC TEST 1		
May	Composition	Modals	U1A. An Exemplary Leader	F2: A Dog Named Duke	
		Subject Verb Concorde			
	D: 1		LIOA TEL E' 1		
	Dialogue Writing	Conjunctions	U2A. The Final Flight		
June			U3A. The Indian Rhinoceros	P2: The Road Not Taken	
		DI			
		Phrases- Clauses			
July		(Types)	U4A. Radio Show	F4: Keeping It from Harold	
			U5A. Bermuda Triangle		
	Dialogue Writing (contd.)	Phrases- Clauses (Types) (contd.)	U6A. Tom Sawyer	P3: The Solitary Reaper	







			U7A Grandmaster Koneru Humpy Queen of 64	
July			squares	
August	Paragraph Writing	Reported Speech	U1B. A Burglary Attempt	D1. Villa for sale
			U2B The Sound of the Shell	
August	Revision	Reported Speech (contd.)	U3B Save Mother Earth	D1. Villa for sale (contd.)
			U4B. Video Show	
		PERIO	DIC TEST 2	
September	Notice Writing	Sentences reordering	U5B. The Invisible Man	P4. The Seven Ages Of Man
			U6B. Children of India	
October	Formal Letter	Voice	U7B. Its Sports Day	P5. Oh, I Wish I'd Looked After Me Teeth
		PERIO	DIC TEST 3	
November	Paragraph Writing	Phrases and Clauses	U1C. Can You Know People You Haven't Met	P6. Song of The Rain
			U2C. Ordeal in the Ocean	D2. The Bishop's Candlesticks
November	Dialogue Writing	Reported Speech	U3C. Save the Tiger	D2. The Bishop's Candlesticks (contd.)
			U5C. The Tragedy of Birlstone	
December	Notice Writing	Conjunctions	U6C. Children and Computers	F5: Best Seller







			U7C. Hockey and Football	
January	Revision	Integrated Grammar	U6E. We Are the World	Revision
Annual Examination	Revision	Revision	Revision	Revision







Subject - 2nd Language (Hindi)

MONTH	LANGUAGE	LITERATURE			
APRIL	अनुच्छेद लेखन, संवाद लेखन, अनुस्वार, अनुनासिक	रैदास के पद, दुख का अधिकार			
MAY - JUNE	PT-1 EXAM	MINATION			
MAY	शब्द और पद	रहीम के दोहे, गिल्लू			
JUNE	स्वर संधि ,विराम चिह्नन	स्मृति			
JULY	अर्थ की दृष्टिसे वाक्य भेद, चित्र वर्णन, उपसर्ग-प्रत्यय	एवरेस्ट : मेरी शिखर यात्रा, तुम कब जाओगे अतिथि			
AUGUST	पत्र लेखन (अनौपचारिक), पत्र लेखन (अनौपचारिक), चंद्रशेखर गीत				
SEPTEMBER	REVISION FOR PT-2 EXAMINATION				
	PT-2 EXAMINATION				
SEPTEMBER	पत्र लेखन (अनौपचारिक)	शुक्रतारे के समान, अग्निपथ			
OCTOBER	अपठित गद्यांश	खुशब् रचते हैंहाथ, नएइलाके में			
NOVEMBER	उपसर्ग -प्रत्यय	कल्लू कुम्हार की उनाकोटी			
DECEMBER	PT-3 EXAMINATION				
DECEMBER	पुनरावृत्ति मेरा छोटा-सा निजी पुस्तका				
JANUARY	REVISION FOR ANNUAL EXAMINATION				
FEBRUARY	ANNUAL EXAMINATION				



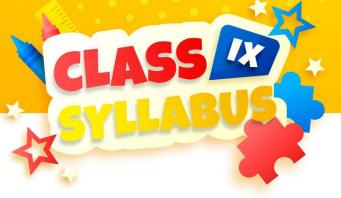




Subject – 2nd Language (Bengali)

Month	Topic
April	বোধপরীক্ষণ
	ব্যাকরণ - স্থরসন্ধি
	সাহিত্য- ইলিয়াস(গদ্য)
	সহায়ক পাঠ - আমআঁটিরভেঁপু – ১ও২অধ্যায়
May	সাহিত্য - খেয়া (কবিতা)
	নির্মিতি - প্রতিবেদন
	Periodic Test 1
June	সাহিত্য – ব্যথারবাঁশি (কবিতা)
	নির্মিতি–বিজ্ঞপ্তি
	সহায়ক পাঠ - আমআঁটিরভেঁপু- ৩ও৪অধ্যায়
July	সাহিত্য - চিঠি (গদ্য)
	ব্যাকরণ- সমাস - দ্বিগু, তৎপুরুষ , বহুব্রীহি
	সহায়ক পাঠ - আমআঁটিরভেঁপু- ৫ও৬অধ্যায়
August	সাহিত্য- ছুটি (গদ্য)
	ব্যাকরণ - বাক্যপরিবর্তন - নির্দেশক, প্রশ্নসূচক, বিস্ময়বোধক,
	অনুজ্ঞাসূচক, প্রার্থনাসূচক
	সহায়ক পাঠ - আমআঁটিরভেঁপু- ৭ও৮অধ্যায়
	Periodic Test 2
September	সাহিত্য - জন্মভূমিআজ (কবিতা)







October	ব্যাকরণ- শব্দগতওবাক্যগতঅগুদ্ধি সহায়ক পাঠ - আমআঁটিরভেঁপু – ৯ও১০অধ্যায় নির্মিতি–বোধপরীক্ষণ
October	সহায়ক পাঠ - আমআঁটিরভেঁপু – ১১ও১২অধ্যায়
	Periodic Test 3
November	সাহিত্য- দাম (গদ্য) সহায়ক পাঠ - আমআঁটিরভেঁপু - ১৩৪১৪অধ্যায়
December	এইজীবন (কবিতা) সহায়ক পাঠ - আমআঁটিরভেঁপু – ১৫ও১৬অধ্যায়
January	Revision
February	Annual Examination









Subject - MATHEMATICS

	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
April	1.	Real Numbers	l. Review of representation of natural numbers, integers, and rational numbers on the number line. Rational numbers as recurring/terminating decimals. Operations on real numbers. 2. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as, and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number. 3. Definition of nthroot of a real number. 4. Rationalization (with precise meaning) of real numbers of the type $\frac{1}{a+b\sqrt{x}}$ and $\frac{1}{\sqrt{x}+\sqrt{y}}$ (and their combination) where x and y are natural numbers & a, b are integers. 5. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)	Square Root Spiral
	2.	Polynomials	Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of $ax^2 + bx + c$, $a \ne 0$ where a , b and c are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities. Verification of identities: $(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$ $(x\pm y)^3 = x^3 \pm y^3 \pm 3xy(x+y)$ $x^3 \pm y^3 = (x\pm y)(x^2 \mp xy + y^2)$ $x^3 + y^3 + z^3 - 3xyz = (x+y+z)(x^2+y^2+z^2-xy-yz-z)$ And their use in factorization of polynomials.	







Ma y	3.	Introduction to Euclid's geometry	History - Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/postulates and theorems. The five postulates of Euclid. Showing the relationship between axiom and theorem, for example: (Axiom) 1. Given two distinct points, there exists one and only one line through them. (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.	
Jun e	4.	Lines & Angles	1.(Motivation)If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse 2.(Proof)If two lines intersect, vertically opposite angles are equal. 3.(Motivation)Lines which are parallel to a given line are parallel	
	5	Coordinate Geometry	The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations.	Coordinate Geometry(S treet Plan)







Jul y	6	Triangles	1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence). 2. (Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence). 4 3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence). 4. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence) 5. (Prove) The angles opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal.	
	7	Heron's Formula	Area of a triangle using Heron's formula (without proof)	Street Plan
	8.	Statistics	Bar graphs, histograms (with varying base lengths), and frequency polygons.	
Au gus t	9.	Linear Equation in Two variables	Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax + by + c = 0, (a,b) \neq (0,0); a,b,c \in \square$. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they lie on a line.	
Sep tem ber			Revision	

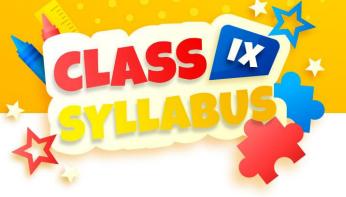






	Periodic Test 2			
Octo ber	10.	Quadrilaterals	 (Prove) The diagonal divides a parallelogram into two congruent triangles. (Motivate) In a parallelogram opposite sides are equal, and conversely. (Motivate) In a parallelogram opposite angles are equal, and conversely. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal. (Motivate) In a parallelogram, the diagonals bisect each other and conversely. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse. 	Mid Point Theorem
Nov emb er	11.	Circles	1.(Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. 2.(Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. 3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. 4.(Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. 5.(Motivate) Angles in the same segment of a circle are equal. 6.(Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. 7.(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.	
Dec emb er	12.	Surfaces Areas and Volumes	Surface areas and volumes of spheres (including hemispheres) and right circular cones.	Angle subtended at the centre of the circle

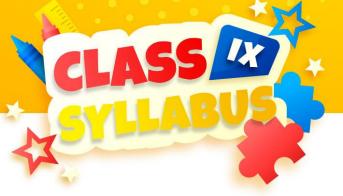






	Periodic Test 3					
Jan						
uar	REVISION					
y						
1	Syllabus for Annual Examination: Unit 1 to 12 as prescribed by CBSE					







Subject - Physics

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICAL
April	1	Mai	Distance and Displacement; velocity; Uniform and non-uniform motion along a straight line	
April	1	Motion	Acceleration, Distance-time and velocity-time graphs for uniform motion	
May			Uniformly accelerated motion, elementary idea of uniform circular motion	
	1	-1	Periodic Test- I	
June	2	Force and Newton's Laws of Motion.	Concept of force and motion	
July			Newton's laws of motion, Action and reaction forces.	
July	2	Force and Newton's Laws of Motion.	Inertia of a body, Inertia and mass	
August			Momentum, force and acceleration	
		•	Periodic Test- II	
September	3	Gravitation	Universal laws of gravitation; Force of gravitation of the earth (gravity); Acceleration due to gravity; Mass and weight, free fall.	Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.



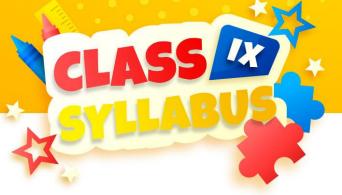




RUBY PARK PUBLIC SCHOOL

				Establishing the relation	
October	4	Floatation	Thrust and pressure; Archimedes Principle; Buoyancy	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.	
November	5	Work, Energy and Power	Work done by the force, Energy, Kinetic and potential energy		
			Periodic Test- III		
November	5	Work, Energy and Power	Law of conservation of energy(excluding commercial unit of energy); Power;		
December	6	Sound	Nature of sound and its propagation in various medium, speed of sound; range of hearing in humans	Verification of the Laws of reflection of sound.	
January	6	Sound	Ultrasound, Reflection of sound- Echo,	Determination of the speed of a pulse propagated through a stretched string/slink(hel ical spring).	
		Revision			
January February	Revision		ANNUAL EXAMINATION		









Subject - Chemistry

MONTH	CHAPTER	SUB-TOPIC
APRIL	MetalsandN on-Metals	Definition of Metals and Non Metals Physicalpropertiesofmetalsandnon-metals Chemicalpropertiesofmetalsandnon-metals
MAY-JUNE	PRI	E-MIDTERMEXAMINATION
MAY	MetalsandN on-Metals	Usesofmetalsandnon-metals Alloys
JUNE	Natural resources	Exhaustible and In-exhaustible naturalresources Coal&Storyofcoal Productsobtainedfromdestructivedistillationofcoal
	Natural resources	Typesofcoal Petroleum-Itsformation&refiningNaturalgas Somenaturalresourcesarelimited
JULY	Combustion andFlame	Whatiscombustion? Fuel, IgnitionTemperature,Inflammablesubstances NCERT Activity 6.1 to 6.4 Howdoyoucontrolfire?
	Combustion andFlame	Types of combustion Flame-its structure What isafuel? Fuelefficiency Harmful effectsofburning fuel
AUGUST	Synthetic FibresandPlast ics	Whataresyntheticfibres? Types ofsyntheticfibres&theirCharacteristicsSilkvsRayon AdvantagesanddisadvantagesofsyntheticfibresTypes ofplastic Plasticasmaterialofchoice Some important properties of syntheticmaterials Plasticandenvironment
SEPTEMBER		NFORHALFYEARLYEXAMINATION
	HA	ALFYEARLYEXAMINATION







MONT H	UNIT	CHAPTER	SUB -TOPIC	PRACTICAL			
April	1	The Fundamental Unit of Life	 What are living organisms made up of? Structural organization of a cell Osmosis and diffusion 	Preparation of stained temporary mounts of a. Onion peel cell			
May	1	The Fundamental Unit of Life	Cell organelles	b. Human cheek cell			
			Periodic Test 1				
	1	The Fundamental Unit of Life	Cell organelles	Identification of Parenchyma,			
June	2	Tissues	• Plant tissues	Collenchyma and Sclerenchyma tissues of plant.			
July	2	Tissues	Plant tissues				
August	2	Tissues	Animal tissues	Identification of striped. Smooth and cardiac muscle fibers and nerve cells in animals. from prepared slides.			
			Periodic Test 2				
Septemb er	5	Improvement in Food Resources	Crop variety improvementCrop production management				
October	5	Improvement in Food Resources	Crop protection managementAnimal husbandry				
	T		PERIODIC TEST 3				
Novemb er	5	Improvement in Food Resources	Animal husbandry				
Decembe r		Revision					
January		Revision					
February			ANNUAL EXAMINATION				







Subject - Biology

MONTH	UNIT	CHAPTER	SUB -TOPIC	PRACTICAL	
April	1	The Fundamental Unit of Life	 What are living organisms made up of? Structural organization of a cell Osmosis and diffusion 	Preparation of stained temporary mounts of a. Onion peel cell	
May	1	The Fundamental Unit of Life	Cell organelles	b. Human cheek cell	
			Periodic Test 1		
	1	The Fundamental Unit of Life	Cell organelles	Identification of Parenchyma,	
June	2	Tissues	• Plant tissues	Collenchyma and Sclerenchyma tissues of plant.	
July	2	Tissues	Plant tissues		
August	2	Tissues	Animal tissues	Identification of striped. Smooth and cardiac muscle fibers and nerve cells in animals. from prepared slides.	
			Periodic Test 2		
September	5	Improvement in Food Resources	Crop variety improvementCrop production management		
October	5	Improvement in Food Resources	 Crop protection management Animal husbandry		
		1	ERIODIC TEST 3		
November	5	Improvement in Food Resources	Animal husbandry		
December	Revision				
January	Revision				
February			ANNUAL EXAMINATION		

SYLLABUS FOR YEARLY EXAMINATION

Entire syllabus as prescribed by CBSE





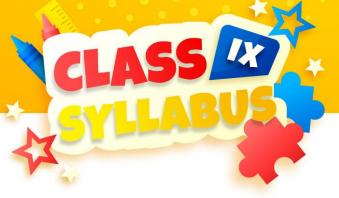




Subject - History

MONTH	UNIT	TOPICS/CHAPTERS	SUBTOPICS		
April	1	The French Revolution	 French Society During the Late 18th Century The outbreak of the Revolution 		
May	1	The French Revolution	 France abolishes Monarchy and Becomes a Republic Did Women have a Revolution? The Abolition of Slavery The Revolution and Everyday life 		
June		P	ERIODIC TEST1		
July	2	Socialism in Europe and Russian Revolution	 The Age of Social Change The Russian Revolution The February Revolution in Petrograd What Changed in October? The Global influence of the Russian Revolution and the U.S.S.R. 		
August	REVISION				
September		PERI	ODIC TEST 2		
October	3	Nazism and the Rise of Hitler	•Birth of Weimer Republic		
	3	Nazism and the Rise of Hitler	 Hitler's Rise to Power The Nazi Worldview Youth in Nazi Germany Ordinary people and Crimes Against Humanity 		
November	4	Forest Society and Colonialism	 Why Deforestation? Rise of Commercial Forestry Rebellion in the Forest Forest Transformation in Java 		
December		PERIODIC TEST 3			

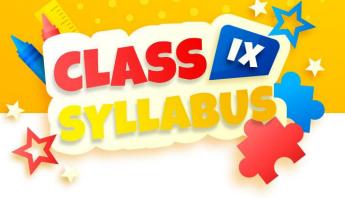






January	5	Pastoralists in the Modern World	 Pastoral Nomads and their Movements Colonial Rule and Pastoral Life Pastoralism in Africa 	
February	REVISION			
February	FINAL EXAMINATION			









Subject – Geography

MONTH	UNIT	TOPICS/CHAPTERS	SUB TOPICS
APRIL	1	INDIA: SIZE AND LOCATION	Size and LocationIndia and the WorldIndia's Neighbours
MAY	2	INDIA: PHYSICAL FEATURES	 Major Physiographic Divisions The Himalayan Mountains The Northern Plain
		PERIODIC TEST 1	
JUNE	2	INDIA: PHYSICAL FEATURES (CONT.)	 The Peninsular Plateau The Indian Desert The Coastal Plains The Islands
	3	INDIA: DRAINAGE	 Major rivers and tributaries Lakes Role of rivers in the economy Pollution of Rivers
JULY	4	INDIA: CLIMATE	 Concept Climatic Controls Factors influencing India's climate (excluding Jet Streams and western cyclonic disturbances and related figures) The Indian Monsoon
AUGUST	4	INDIA: CLIMATE (contd.)	Distribution of RainfallMonsoon as a unifying bond
	I	PERIODIC TEST 2	1







SEPT	5	INDIA: NATURAL VEGETATION AND WILDLIFE	Wildlife (to be evaluated in the annual examination)
OCT NOV	5	INDIA: NATURAL VEGETATION AND WILDLIFE (contd.)	Inter Disciplinary Project Types of Vegetation
	l e	PERIODIC TEST 3	
DEC & JAN	6	INDIA: POPULATION	 Size Distribution Population Growth and Process of Population Change Characteristics of population: Age Composition, Sex Ratio, Literacy Rate, Occupational Structure, Health, Adolescent population
		REV	ISION

DISASTER MANAGEMENT IS COMPULSORY AND MUST BE ASSESSED AS A SUBJECT ENRICHMENT MODULE.

FEB ANNUAL EXAMINATION

SYLLABUS FOR ANNUAL EXAMINATION:

Syllabus for Annual Examination- as prescribed by CBSE.







Subject – Economics

MONTH	UNIT	TOPICS	SUB TOPICS		
APRIL	1	THE STORY OF PALAMPUR (to be assessed in Periodic assessment only)	 Overview Organization of production. Farming in Palampur. Ways to grow more from the same land: Multiple cropping and Modern farming Importance of irrigation. 		
MAY	1	THE STORY OF PALAMPUR (contd.) (to be assessed in Periodic assessment only)	 Green Revolution: Impact How is land distributed between farmers in Palampur? 		
		PERIODIC TES	T 1		
JUNE	1	THE STORY OF PALAMPUR (contd.) (to be assessed in Periodic assessment only)	 Labour: Who provides labour? Conditions of farm labourers in Palampur. How is land distributed between farmers in Palampur? Capital needed in farming and Sale of Surplus farm product Non-Farm activities: Dairy, Shopkeepers, Transport and Small-scale manufacturing. 		
JULY	2	PEOPLE AS A RESOURCE	Overview.Economic activities by men and women		
AUGUST	2	PEOPLE AS A RESOURCE (contd.)	 Quality of Population. Unemployment		
PERIODIC TEST 2					
SEPTEMBER & OCTOBER	3	POVERTY AS A CHALLENGE	 Two typical cases of poverty. Poverty as seen by Social Scientists. Poverty Estimates. Vulnerable Groups Inter state disparities 		





NOVEMBER	3	POVERTY AS A CHALLENGE (contd.)	 Global Poverty scenario Causes of poverty Anti-poverty measures The Challenges ahead
		PERIODIC TES	T 3
DECEMBER & JANUARY	4	FOOD SECURITY IN INDIA	 What is Food Security? Why Food Security? Who are Food insecure? Food security in India What is buffer stock? What is the Public Distribution System? Current status of Public Distribution System Role of cooperatives in food security
FEBRUARY			ZISION



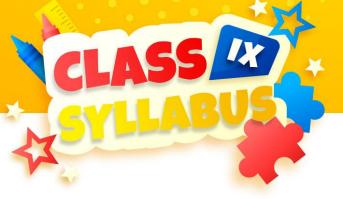




Subject - Art

MONTH	TOPIC	MEDIUM
April	Bengali new year activity, Chapter-1& Still Life	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
May	RabindraJayanti Activity,Chapter-2 & Still Life	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
June	RathYatra Composition,Chapter-3,& Still Life	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
July	Composition ,Chapter-4, & Landscape	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
August	Raki activity, Independence day activity or Composition, Chapter-4 & Landscape	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
September	Chapter-5 & Landscape	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
October	Durga Puja Activity, Diwali Activity, Chapter-5 & Composition-1	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
November	Chapter-5 & Composition-1	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.







December	Christmas activity, Chapter-6 & Composition-1	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
January	Republic Day Activity, Chapter-6 & Composition-2	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
February	Saraswati Puja Activity, Chapter-7 & Composition-2	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.
March	Holi Activity, Chapter-7 & Composition-2	Acrylic/Oil Painting (Canvas Painting) Water Colour, Colour Pencil & Pencil.









Subject - Political Science

MONTH	UNIT	TOPICS/CHAPTERS	SUBTOPICS	
June	1	What is Democracy? Why Democracy?	 What is Democracy? Features of Democracy Why Democracy? Broader Meaning of Democracy 	
July	2	Electoral Politics	Why Elections?What is our system of Elections?What makes Elections in India Democratic?	
August	3	Constitutional Design	 Democratic Constitution in South Africa Why do we need a Constitution? Making of the Indian Constitution Guiding Values of the Indian Constitution 	
Septe mber			REVISION	
Septe mber	PERIODIC TEST2			
Dece mber		PERIODIC TEST 3		
Dece mber	4	Working of Institutions	 How is the major policy decision taken Parliament Political Executive Judiciary 	
January	5	Democratic Rights	 Life without Rights Rights in a Democracy Rights in the Indian Constitution Expanding the Scope of Rights 	
Februar y	1		REVISION	
Februar v	FINAL EXAMINATION			









Subject - Guitar

I		
MONTH	THEORY	PRACTICAL & PERFORMANCE.
APRIL	REVISION OF PREVIOUS LESSONS	FINGER ARTICULATION EXERCISES
MAY	COMPLEX RHYTHM	MORE ON MAJOR SCALES
JUNE	COMPLEX RHYTHM EXERCISES	MORE ON MINOR SCALES
JULY	FORMATION OF MAJOR SCALES	MELODY 1
AUGUST	FORMATION MINOR SCALES	DIFFERENT MAJOR CHORDS / MELODY 2
SEPTEMBER	FORMATION OF MAJOR CHORDS	RHYTHM PLAYING STUDY NO 1
OCTOBER	FORMATION OF MINOR CHORDS	MELODY 2 / 2 OCTAVE MAJOR PENTATONIC SCALE
NOVEMBER	FORMATION OF MINOR ARPEGGIOS	RHYTHM PLAYING STUDY NO 2 / 2 OCTAVE MINOR PENTATONIC SCALE
DECEMBER	HARMONISATION	1 HARMONISED MAJOR SCALE / ARPEGGIO
JANUARY	INFORMATION ABOUT FAMOUS GUITARISTS	MELODY NO 3 / 1 HARMONISED MINOR SCALE
FEBRUARY	INFORMATION ABOUT FAMOUS BANDS	RHYTHM PLAYING STUDY NO 3 / EAR TRAINING
MARCH	REVISION	REVISION



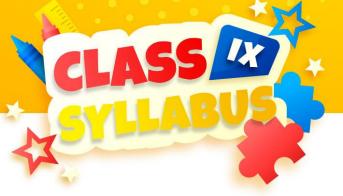




<u>Subject – Tabla, Rhythm Instruments</u>

Month	Topic (Theory & Practical)	Medium
April	Bengali new year activity & Advance Rhythm practice (Taali- Khali) &BolParan.	Tabla
May	RabindraJayanti activity & Advance Rhythm practice (Matra, Tali Khali, Laya, Chanda& Division).	Tabla
June	Advance Rhythm count practice & idea of different Taal (Single, Double & Triple Courting), Kayda&Rela.	Tabla& Drums.
July	Advance Rhythm count practice & idea of different Taal (Single , Double , Triple & Quartet), Kayda&Rela.	Various Percussions.
August	Independence activity, 4/4 count &TaalKaharwa, Rupak, Teora, JhaapTaal.	Tabla, Darabuka& Cajon.
September	Janmashtami Activity, TaalKaharwa&BhajanTheka (Bengali & Hindi), Laggi.	Tabla&Dholak
October	Durga Puja Activity, Dhaak Rhythm & Taal Dadra (Single /Double) 6/6 Chanda , Tukra.	Tabla, Darabuka.
November	3/4, 4/4,7/8 count & Drums Practice With Notation.	Percussions (Shakers)
December	Christmas activity, 3/4, 4/4,7/8 count & Drums Practice.	Drums & Percussions (Cajon)
January	Netaji Jayanti Activity, Republic Day Activity & 3/4, 4/4	Percussions (Tambourine)
February	Saraswati Puja Activity & Teen Taal, Addhya (Tukra, Chakkradar&Tihai)	Tabla
March	Holi Activity&TaalDandiya, Garwa.	Percussions (Tambourine,Kartaal)



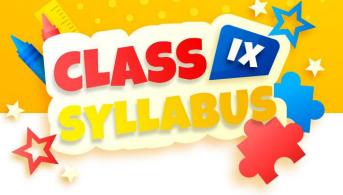




Subject - Vocal

Month	Topic	Sub Topic	
April	 Nabobarsho(Bengali new year) related Bengali song RabindraSangeet for 25 she boishkakh 	Pranobhoriyetrishahoriye	
May	 SaraswatiVandana(For annual program) 	 SaraswatiVandana composed by BirjuMaharajji 	
June	English classic song	Summer holiday	
July	Patriotic song	Shatrangirangosaujjwalsapawan	
August	Patriotic song	Shatragirangosaujjwalsapawan	
September	English song on Autumn seasonDurgapuja related song	Autumn Days areBhawanidayani/Bajlokaharalorbenu	
October	Diwali song	Shree Ramchandrakripalu	
November	English Diwali songBengali prayer song	 It's time for lighting the lamp Aloamaraloogo alloy bhubanbhora 	
December	Christmas carol	Up on the housetop	
January	Patriotic song	kandho se miltehainkandhe	
February	SaraswatiVandana	SarveswariJagadeswari/jai jai saraswatimaa	
March	 Holi song Revision	Biraj me dhoommachaye	





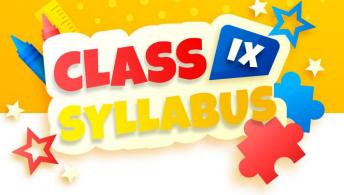




<u>Subject – Artificial Intelligence</u>

MONTH	CHAPTER	CORE CONCEPTS
APRIL	Introduction to Artificial Intelligence (AI) -Excite	Session: Introduction to AI and setting up the context of the curriculum
		Ice Breaker Activity: Dream Smart Home idea • Learners to design a rough layout of floor plan of their dream smart home.
		Recommended Activity: The Al Game • Learners to participate in three games based on different Al domains. – Game 1: Rock, Paper and Scissors (based on data) – Game 2: Mystery Animal (based on Natural Language Processing - NLP) – Game 3: Emoji Scavenger Hunt (based on Computer Vision - CV)
		Recommended Activity: • Al Quiz (Paper Pen/Online Quiz) Recommended Activity: To write a letter. Writing a Letter to one's future self
		Learners to write a letter to self-keeping the future in context. They will describe what they have learnt so far or what they would like to learn someday
	Introduction to Artificial Intelligence (AI) -Relate	Video Session: To watch a video Introducing the concept of Smart Cities, Smart Schools and Smart Homes Recommended Activity: Write an Interactive Story Learners to draw a floor plan of a Home/School/City and write an interactive story around it using Story Speaker extension in Google docs.
MAY	Introduction to Artificial Intelligence (AI) -Purpose	Session: Introduction to UN Sustainable Development Goals Recommended Activity: Go Goals Board Game Learners to answer questions on Sustainable Development Goals
	Introduction to Artificial Intelligence (AI) -Possibilities	Session: Theme-based research and Case Studies Learners will listen to various case-studies of inspiring start-ups, companies or communities where AI has been involved in real-life. Learners will be allotted a theme around which they need to search for present AI trends and have to visualise the future of AI in and around their respective theme. Recommended Activity: Job Ad Creating activity Learners to create a job advertisement for a firm describing the nature of
	-1 088101111105	job available and the skill set required for it 10 years down the line. They need to figure out how AI is going to transform the nature of jobs and create the Ad accordingly.









JUNE	Introduction to Artificial Intelligence (AI) -AI Ethics	Video Session: Discussing about AI Ethics Recommended Activity: Ethics Awareness • Students play the role of major stakeholders, and they have to decide what is ethical and what is not for a given scenario. Session: AI Bias and AI Access • Discussing about the possible bias in data collection • Discussing about the implications of AI technology
		Recommended Activity: Balloon Debate • Students divide in teams of 3 and 2 teams are given same theme. One team goes in affirmation to AI for their section while the other one goes against it. • They have to come up with their points as to why AI is beneficial/ harmful for
JULY	AI PROJECT CYCLE: - Problem Scoping	Session: Introduction to AI Project Cycle Problem Scoping Data Acquisition Data Exploration Modelling Evaluation Activity: Brainstorm around the theme provided and set a goal for the AI project. Discuss various topics within the given theme and select one. List down/ Draw a mind map of problems related to the selected topic and choose one problem to be the goal for the project. Activity: To set actions around the goal. List down the stakeholders involved in the problem. Search on the current actions taken to solve this problem. Think around the ethics involved in the goal of your project. Activity: Data and Analysis What are the data features needed? Where can you get the data? How frequent do you have to collect the data? What happens if you don't have enough data? What kind of analysis needs to be done? How will it be validated? How does the analysis inform the action?
	AI PROJECT CYCLE: -Data Acquisition	Activity: Introduction to data and its types. • Students work around the scenarios given to them and think of ways to acquire data.



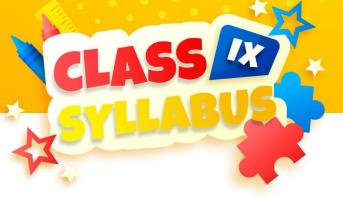






	Introduction to Python	Session:
AUGUST	Self-Management Skills-I	
	ICT Skills-I Entrepreneurial Skills-I	
		REVISION
		PT-2 EXAMINATION
SEPTEMBER	AI PROJECT CYCLE- Data Exploration	Recommended Activity: Let's use Graphical Tools • To decide what kind of data is required for a given scenario and acquire the same. • To select an appropriate graphical format to represent the data acquired. • Presenting the graph sketched.
OCTOBER	AI PROJECT CYCLE- Modelling	Session: Decision Tree To introduce basic structure of Decision Trees to students. Recommended Activity: Decision Tree To design a Decision Tree based on the data given. Understand and visualise computer's ability to identify alphabets and handwritings.
		PT-3 EXAMINATION
NOVEMBER	NEURAL NETWORK	Session: Introduction to neural network • Relation between the neural network and nervous system in human body • Describing the function of neural network. Recommended Activity: Creating a Human Neural Network • Students split in four teams each representing input layer (X students), hidden layer 1 (Y students), hidden layer 2 (Z students) and output layer (1 student) respectively. • Input layer gets data which is passed on to hidden layers after some processing. The output layer finally gets all information and gives meaningful information as output.



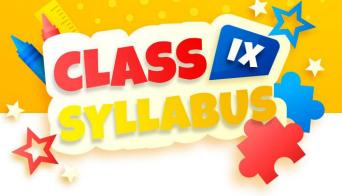






JANUARY		Students will try some basic problem-solving exercises using lists on Python Compiler. Project
	PYTHON	
		REVISION









Subject – Computer

MONTH	TOPIC	SUBTOPIC			
	Computer Fundamentals	Types Of Computers Characteristics of Computer I/O Devices			
APRIL	Operating Systems	 Understanding Kernel Understanding Device Drivers, File Systems 			
AFRIL	Computer Software	System Software Application Software			
	Basics of Networking	•Types of Network •Components of a Network • NetworkProtocols,Transmission Media			
MAY	Introduction to the Internet	Basics of Internet Internet Terminologies, Applications of Cloud Computing			
	PT-1 EXAMINATION				
JULY	Basics of App Development	Concept of AppsApp Creation ProcessCategories Of Apps			
	Safe Web Browsing	 Identity Protection Usage of Passwords Protecting your privacy online 			
JULY	Cyber Security	 Defining Cyber Stalking Handling Cybercrimes Identifying Security Threats Identifying Security Mechanism 			
	Java–ACupofCoffee (Level-1)	OOPs Concept Introduction to Java Programming			







AUGUST	Storing and Operating on Data (Level-1)	 Variables and Data Types Types of Operators
	Using Conditional Construct(Level-1)	Introduction to If-Else If-Else If and Logical Operators
	RevisionforPT-2 Exam	RevisionforPT-2Examination
		PT-2 EXAMINATION
SEPTEMBER	Programming Using Loops (Level-1)	Pre-Tested Loops Post-Tested Loops Fixed-Execution Loops Arrays
	Creating Calculator Using Java(Level-2)	 Revisiting Operators, Conditional Constructs and Loops Introducing Functions
OCTOBER	Enhancing Calculator (Level-2)	Introducing Inheritance
	Working with Applet (Level-2)	• Introduction to Applets
	More on Applets	•Applets programs to draw shapes
	RevisionforPT-3	RevisionforPT-3
		PT-3EXAMINATION







NOVEMBER	Learning Scratch	•Starting Scratch •Parts of Scratch User Interface •Creating an Account •Creating Simple Script •Repeating Commands
DECEMBER	Continuation of More about Scratch	•Understanding X-Y Pane •Exploring Motion Block •Exploring Pen Blocks •Drawing on the Stage
	Word Processor	Basic Editing and Formatting Bulleted and Numbered List
JANUARY	Basics of Presentation	•Creating the Base Presentation •Applying Theme •Setting Text Styles •Creating Visual Appearance •Adding Graphics

