Split Up Syllabus (IX)

Session:2024-25

Subject:- ENGLISH

TEXT BOOKS: BEEHIVE (Text book for class IX)

MOMENTS (Supplementary Reader)

GRAMMAR – Words and Expressions (1)

MONTHS	W.DAY	TOPIC/CHAPTERS	ACTIVITIES/N.E.P.	Learning outcomes
APRIL	23	BEEHIVE The Fun They Had The Road Not Taken MOMENTS The Lost Child GRAMMAR Determiners	*Notice Writing- Excursion to Red Fort. *Poster Making -Child Rights. *Prepare d a list of different fair held in Jharkhand.	Students will develop an image of Rural India through the given stories. They will learn to appreciate Symbolism in English Poetry.
MAY	15	BEEHIVE The Sound of Music GRAMMAR Determiners	*Diary entry: expressing your happiness after getting degree for music. *Prepare a chart paper of the different musical instruments used in different occasion in Jharkhand	Students will visualize music's role in an entirely different way. They will also know about Bismillah Khan in detail.
JUNE	18	BEEHIVE The Little Girl Wind MOMENTS The Adventures of Toto GRAMMAR • Verb forms	* Formal letter: to the editor. * Prepare a project work on the types of family in India .	● Students will read and appreciate critically on stories based upon psychology and misadventure. They will also analyse poems on nature.
JULY	25	BEEHIVE A Truly Beautiful Mind Rain on The Roof MOMENTS In The Kingdom of Fools	* Students will collect different types of Newspapers Reports. * Prepare chart paper of the Scientists of India.	Students will understand and appreciate abstract Imagery in poems. They will also enjoy humour in the text to carry on

		GRAMMAR Tense		the style for their writing.
AUGUST	23	BEEHIVE My Childhood A Legend of The Northland MOMENTS The Happy Prince GRAMMAR Subject – Verb agreement	Biography of your life. Complaint letter	Students can recall their own beautiful moments from their childhood. They will learn the norms for preparing a debate.
SEPTEMBER	23	REVISION OF ALL SECTIONS FOR HALF – YEARLY EXAMINATION	●ALL WRITING FORMATS ● BOOK REVIEW	***
OCTOBER	19	BEEHIVE Reach for the Top No Men are Foreign GRAMMAR Modals	Placing order letter project work on Mountaineering Report writing	Students will be able to enjoy comedy in a literary text. They will reflect upon the similarities among all human beings irrespective of country, region or race. They will know about some true account of courageous acts.
NOVEMBER	20	BEEHIVE The Bond of Love MOMENTS The Last Leaf GRAMMAR Reported Speech	Poster Making Child Abuse Encroachment	Students will develop a new perspective for reading and appreciating 'Fables'. They will also feel their own emotional world.

DECEMBER	22	BEEHIVE On Killing a Tree MOMENTS A House Is Not A Home GRAMMAR Connectors	Story Telling ● On the basis of given Inputs/Guidelines	Students will understand the ways of writing a Descriptive Paragraph. They will also understand the concept of home and family.
JANUARY	20	BEEHIVE If I Were You The Snake Trying MOMENTS The Beggar	Enquiry letter Data interpretation Role Play	Students will appreciate a 'One Act Play' and learn various ways of articulating dialogues. They will be able to look into one's emotional world irrespective of his circumstances.
FEBRUARY	22	COMPLETE REVISION FOR ANNUAL EXAMINATION	REVISION OF ALL THE FORMATS,LAYOUTS AND INPUTS FOR THE CONTENTS OF WRITING SECTION	
March	23	ANNUAL EXAMINATION		

SUBJECT-HINDI

MONTH	WD	Chapter name	Activity	Learning outcomes
April	23	क्षितिज गद्य खंड – दो बैलों की कथा , पद्य खंड - कबीर की साखियां व्याकरण - उपसर्ग,प्रत्यय,समास	वाद विवाद - विषय -पशु पक्षियों को पालना उचित या अनुचित। नाट्य रूपांतरण	मनुष्य और पशु के बीच के प्रेम की जानकारी
May	15	कृतिका– इस जल प्रलय में क्षितिज– ल्हासा की ओर व्याकरण– अलंकार	तिब्बती समाज की विशेषताओं से संबंधित कार्य रेखाचित्रण	तिब्बत की सभ्यता और संस्कृति का ज्ञान
June	18	क्षितिज -गद्यखंड - उपभोक्तावाद की संस्कृति पद्यखंड - वाख	विज्ञापन लेखन	दिखावे और सच्चाई का ज्ञान
July	25	क्षितिज -गद्यखंड – सांवले सपनों की याद , पद्य खंड - सवैये , व्याकरण - निबंध लेखन ,पत्र लेखन	सालिम अली की जीवनी लिखें। रेखाचित्र	पक्षियों के जीवन के बारे में जानना
August	23	क्षितिज – प्रेमचंद के फटे जूते,पद्य खंड - कैदी और कोकिला , ग्रामश्री व्याकरण – अलंकार की परिभाषा और भेद,अर्धवार्षिक परीक्षा के हेतु पुनरावृत्ति आरंभ	ग्रामीण परिवेश में पाए जाने वाली चीजों का चित्र सहित वर्णन। चित्रकारी	अंग्रेजी शासन की क्रूरता का ज्ञान

Month	No of working day	Topic	Activities	Learning. Outcome
September	23	पुनरावृति,अर्धवार्षिकपरीक्षा, प्रश्नपत्र समालोचना,		
October	19	क्षितिज – मेरे बचपन के दिन कृतिका–मेरे संग की औरतें व्याकरण - वाच्य	प्राकृतिक सौंदर्य से संबंधित चित्र को बनाकर चार्ट पेपर में चिपकाना। कोलाज बनाना	देशप्रेम का ज्ञान
November	20	क्षितिज- पद्य खंड – मेघ आए व्याकरण – अनुच्छेद लेखन	प्रेमचंद की किसी कहानी का नाट्य मंचन नाट्य रूपांतरण	सामाजिक व्यवस्था का ज्ञान
December	22	क्षितिज -पद्य खंड - बच्चे काम पर जा रहे हैं व्याकरण - अर्थ के आधार पर वाक्य भेद	अपने बचपन का चित्र चिपकाकर अपने बचपन के बारे में 10 लाइन में लिखें। रेखा चित्रण	बालपन की जानकारी
January	20	कृतिका- रीढ़ की हड्डी पुनरावृति, समास पुनरावृति	बाल मजदूरी को रोकने के उपाय के लिए नए पोस्टर बनाएं। रेखा चित्रण	बाल मजदूरी से होने वाले हानियों का ज्ञान
February	22	पुनरावृति , व्याकरण अलंकार पुनरावृति,वार्षिक परीक्षा आरंभ,		
March	23	वार्षिक परीक्षा,परीक्षा परिणाम घोषित		

विषय:-संस्कृत
पाठ्यपुस्तक-शेमुषी

Month	No of working day	Topic	Activities	Learning. Outcome
अप्रैल-मई	23+15	प्रथम:पाठ:-भारती वसन्तगीति:(केवलंपठनार्थम्)पदपरिचय-सन्धि:,शब्दरुपाणि,धातुरुपाणि(लट्,लोट्,लङ्गल कार:,विधिलिङ्लकार:),कारकउपपदविभक्तिप्रयोगा:,प्रत्यया:,संख्यया:,उपसर्गा:) *.वर्णमाला- पुनरावर्तन-कार्य कक्षा -परीक्षा	वर्णानाम्उच्चारणंकेनस्थाने नभवतिइतिज्ञानम्	अस्यपाठस्यअध्यमनेनवर्णानां शुद्धोच्चणं कथंभवेत् अथवाअशुद्धम्कथंशुध्येत्इत्य र्थप्रयासम्करणम्
		*सन्धि-प्रकरणम् पुनरावर्तन-कार्य कक्षा-परीक्षा *उपविषय:-स्वरसन्धि पुनरावर्तन-कार्य कक्षा-परीक्षा	शब्दानांप्रकृति:तेषांनिर्माणंम हत्वञ्चज्ञात्वावाक्येषुतेषांस म्यक्तयाप्रयोगम्करणं।	शुद्धाशुद्ध-शब्दानांज्ञानंतेषांचिह्नीकरण म्संशोधनंचज्ञात्वाभाषायांप्रवी ण्यंप्राप्तुंप्रयासंकरणं।
जून	18	द्वितीय:पाठ:-स्वर्णकाक: पुनरावर्तन-कार्य कक्षा-परीक्षा *विषय:-सन्धि-प्रकरणम् *उपविषय:-व्यञ्जनविसर्गसन्धि:। पुनरावर्तन-कार्य कक्षा-परीक्षा	पदानांप्रकृति:,निर्माणम्स्वरु पञ्चज्ञात्वावाक्येषुसम्यक्तया तेषांप्रयोगम्करणं।	शब्दानांपदानाचज्ञानंतेषांसं शोधनंप्रयोगंअर्थम्चज्ञात्वावा क्येषुतेषां सम्यक्तयाप्रयोगंकृत्वातस्यशो भांवर्धनम्।

		तृतीय:पाठ:-गोदोहनम् पुनरावर्तन-कार्यं कक्षा-परीक्षा		
जूलाई	25	*विषय:-शब्दधातुरुप-प्रकरणम् *उपविषय:-कर्तृपदस्यक्रियापदस्याश्चप्रयोग:। पुनरावर्तन-कार्यं कक्षा-परीक्षा	शब्द-धातुरुपाणांवाक्येषुप्रयोग:अशुद्धिशोधनंच	वाक्यस्यसंज्ञा-सर्वनाम्-क्रियाणाम्अन्विति-ज्ञानम्अपिभवेत्।वाक्यस्यअशुद्धिमपिजानीयात्।
		चतुर्थ:पाठ:-कल्पतरु: पुनरावर्तन-कार्यं कक्षा-परीक्षा		कल्पतरुमहत्वज्ञानं
अगस्त	23	पंचम:पाठ:-सूक्तिमौक्तिकम् पुनरावर्तन-कार्यं कक्षा-परीक्षा	श्लोकवाचन-कार्यं।श्लोकोंकागायनवस्मरण	
		*विषय:-उपपदविभक्ति:प्रत्ययाश्चप्रयोग: *उपविषय:-वाक्यसंशोधनंशब्दशुद्धि:च	वाक्यानांसंशोधनंप्रत्ययान्त	छात्राणां वाक्यानि शुद्धानि भवेयु:।
सितम्बर	23	षष्ठम:पाठ:-भ्रान्तोबाल: पुनरावर्तन-कार्यं कक्षा-परीक्षा		
		सप्तम:पाठ:-प्रत्याभिज्ञानम्(केवलंपठनार्थम्)		
		*विषय:-शब्दधातुरूपाणां ज्ञानम् प्रयोगश्च उपविषय:-शब्दशुद्धि:क्रियाशुद्धिश्च। पुनरावर्तन-कार्यं अर्धवार्षिक-परीक्षा	दैनिक व्यवहारे संस्कृतस्य प्रयोगाय।	संस्कृत-पठन-पाठन,लेखन,श्रवण-वाचन इत्यादीनां योग्यता भवेत ।
		अपठित- अवबोधनम्,औपचारिकंअथवाअनौपचारिकंपत्रम् चित्रवर्णनम्अथवाअनुच्छेदलेखनम्,सरलवाक्यानां संस्कृतभाषयाम्अनुवाद:		
अक्टूबर	19	विषय:-उपपदविभक्तय: प्रत्यय ज्ञानम् च पुनरावर्तन -कार्यं उपविषय:-वाक्यसंशोधनम् प्रत्ययाश्च पुनरावर्तन-कार्यं अष्टम:पाठ:-लैहतुला पुनरावर्तन -कार्यं कक्षा-परीक्षा		
		नवम:पाठ:-सिकतासेतु: पुनरावर्तन-कार्यं कक्षापरीक्षा	सिक्तासेतु:कथावाचनं	जीवनेविद्या:ज्ञानं
नवम्बर	20	दशम:पाठ:-जटायो:शौर्यम् पुनरावर्तन-कार्यं कक्षा-परीक्षा	पाठाधारिताजटायो:शौर्यम्वदता	पक्षिणांमहत्वजानिथ।
		एकादश:पाठ:-पर्यावरणम् पुनरावर्तन-कार्यं कक्षा-परीक्षा रचनात्मक-कार्यं	पर्यावरनस्यविषयेवाक्यानिरचयत	पर्यावरणम् महत्वं

दिसम्बर	22	द्वादश:पाठ:-वाङ्गन:प्रानस्वरुपम् पुनरावर्तन -कार्य कक्षा-परीक्षा	पर्यावरणस्यरचनाकुरुत।	' प्राणवाणिचमहत्वं
जनवरी	20	वाक्यसंशोधन-र्यम् उपसर्गा: सङ्ख्या पुनरावर्तन -कार्य	शुद्धवाक्यानिरचयत।	भाषायांउपसर्गा:0प्रयोगा:।
फरवरी- मार्च	22+23	पुनरावर्तन-कार्य वार्षिक-परीक्षा शब्दरुपाणि,धातुरुपाणि,प्रत्यया: वाक्यानिप्रयोगा:		---

Subject-MATHS

Prescribed Books

1. **Text Book NCERT IX (NCERT)**
2. **Bharti Bhawan R.S Agrawal**
3. **Bharti Bhawan Exam Idea**

MONT HS	WD	NAME OF CHAPT ER	Topics to be taught	LEARNING OUTCOMES	ACTIVITY
APRIL	23	Unit I: Number Systems Real Numbers	1.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 $\sqrt{2}$, $\sqrt{3}$ 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 nth root of a real number. 4.Rationalisation (with precise meaning) of real numbers of the type $\sqrt{}$ and ———— . 5.Recall of laws of exponents with integral powers. Rational	Students will be able to 1. Gets the knowledge of various types of numbers viz. Natural numbers, Whole numbers, Rational numbers Prime numbers etc. which constitute the real number systems 2. Explores the relation between various types of numbers. 3. Appreciates the fact that infinitely many rational numbers can be inserted between two given number. 4. Represents different rational and irrational numbers	Activity 1 – Represent Some Irrational Numbers on the Number Line. Activity 2 – Verify the Algebraic Identity $(a+b)^2 = a^2 + 2ab+b^2$ Activity 3 – Verify the Algebraic Identity $(a-b)^2 = a^2 - 2ab+b^2$ • Activity 4- Verify the Algebraic Identity $a^2 - b^2 = (a+b)(a-b)$

| | | | exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws). Unit II: Algebra 1. 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. Factorisation of $ax^2 + bx + c$, $a{\neq}0$, where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities. | on the number line and rationalize the given real number. | |
| MAY | 15 | | Polynomials (Contd.) 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. Factorisation of ax2 + bx + c, a≠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: $(x + y + z)2 = x2 + y2 + z2 + 2xy + 2yz + 2zx$, $(x \pm y)3 = x3 \pm y3 \pm 3xy(x \pm y)$, $x3 \pm y3 = (x \pm y)(x2 \mp xy + y2)$, $x3 + y3 + z3 - 3xyz = (x + y + z)(x2 + y2 + z2 - xy - yz -$ | The learner 1 Acquires the knowledge of algebraic expression and algebraic identities. 2 Differentiates between algebraic expression and polynomials, explores types of polynomials on the basis of terms and on the basis of their degrees 3 Defines zeroes and coefficients of polynomials, understands Remainder and Factor theorem and at least ten algebraic identities. 4 Prepares presentation on different Algebraic identities. 5 Extends | create a zombie board game which can be played by a single student, pairs, or in small groups. |

			zx) and their use in factorization of polynomials. 5 15 Linear Equations in Two Variables Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations on the type ax + by + c = 0. 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.	the learning by the application and verification of some identities	
JUNE	18		Unit III: Coordinate Geometry The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations.	The learner 1. Understands the Cartesian coordinate plane, x-axis, y-axis, horizontal line, vertical line, origin, abscissa, ordinate and different quadrants. 2. Plots different points in the Cartesian coordinate plane. 3. Describes points on the plane. 4. Understands coordinates as distances. 5. Recognises the presence of coordinate system in everyday life.	• Plot ordered pairs in the rectangular coordinate system • Verify whether ordered pair is a solution of equation • Create graphs of linear equations to solve word problems Annalise graphs to identify x and y intercepts
JULY	25		Unit IV: Geometry 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. 2. Lines and Angles 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 1800 and the converse. 2. (Prove) If two lines intersect,	The learner 1. Recognizes and defines line, line segments and rays. 2. Identifies obtuse, acute and right angles. 3. Understands parallel and perpendicular lines. 4. Justifies Angle sum property	Construction of Buildings. The best use of geometry in daily life is the construction of buildings, dams, rivers, roads, temples, etc. ..

			vertically opposite angles are equal. 3. (Motivate) Lines which are parallel to a given line are parallel	of triangle and exterior angle property of triangle. 5. Co-relates lines and angles with the natural world.	
AUG	23		3. 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). 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. Unit V: Mensuration 1. Areas Area of a triangle using Heron's formula (without proof).	Students will investigate the properties of bisectors, medians, altitudes, and midsegments of a triangle and how those properties relate to triangles. Students will also investigate various triangle inequalities	To develop an understanding of construction of different types of angles and triangles
SEPT	23		Areas (Contd.) Area of a triangle using Heron's formula (without proof). Revision for Half Yearly Examination. Half Yearly Examination. Question paper discussion.	The learner 1. Recalls triangle and area of triangle 2. Understands Heron's formula for finding Area of a triangle 3. Determines area of a triangle whose sides are given 4. Applies Heron's formula in daily life	Herons Formula Activity Color by Number
OCT	19		Quadrilaterals 1. (Prove) The diagonal divides a parallelogram into two 15 16 congruent	Students will study quadrilaterals, their properties and will	

			triangles. 2. (Motivate) In a parallelogram opposite sides are equal, and conversely. 3. (Motivate) In a parallelogram opposite angles are equal, and conversely. 4.(Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal. 5.(Motivate) In a parallelogram, the diagonals bisect each other and conversely. 6.(Motivate) In a triangle, the line segment joining the midpoints of any two sides is parallel to the third side and is half of it and (motivate) its converse.	apply those properties to solve geometric problems.	
NOVE	20		Circles 1. (Prove) Equal chords of a circle subtend equal angles at the centre and (motivate) its converse. 2. (Motivate) The perpendicular from the centre of a circle to a chord bisects the chord and conversely, the line drawn through the centre 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 centre (or their respective centres) and conversely. 4. (Prove) The angle subtended by an arc at the centre 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 angles 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 1800 and its converse.	The learner 1. Defines circle and its parts. 2. Draws chords, sectors and segments of a circle 3. Determines centre, radius of a circle by construction. 4. Understands important theorems and apply them in problems.	This activity involves creating a graphic organizer that will ultimately allow your students to make important observations regarding the measurements in circular arcs. Have students work in partnerships and give each pair a set of five images of circles with demarcated arcs within them.
DEC	22		Mensuration Surface Areas and Volumes Surface areas and volumes of spheres (including	Students will learn about surface area and volume of solids, including	how students that surface area and volume don't

MONTH	Working Days	Chapter /Topic	Activities	Learning outcomes
		hemispheres) and right circular cones.	how to calculate and use surface area and volume of various solids in real-life situations.	always go hand in hand with a block arrangement activity. Give each student eight blocks, and see how many ways they can arrange them on a desk (all blocks must always be touching).
JANU	20	Surface Areas and Volumes (Contd.) Surface areas and volumes of spheres (including hemispheres) and right circular cones. Unit VI: Statistics Bar graphs, histograms (with varying base lengths), and frequency polygons.	The learner 1. Recalls plane figures and solid figures and differentiates them 2. Identifies different solids in the surrounding and defines their base, edge and vertices 3. Understands the formulae for finding the surface areas and volumes of a cuboid, cube, cylinder, cone, sphere .	
FEB	22	Revision For Annual Examination Annual Examination		
MARCH	23	**Annual Examination**		

SUBJECT-PHYSICS

MONTH	Working Days	Chapter /Topic	Activities	Learning outcomes

April	23	**Motion, Force and Work Motion:** → **Distance and displacement, velocity;** →**Average speed and Average velocity.** → **uniform and non-uniform motion along a straight line;** →**acceleration** →**distance-time graph** → **velocity-time graphs** **For uniform motion and uniformly accelerated motion,** →**derivation of equations of motion by graphical method;** →**motion in a vertical line.** →**elementary idea of Uniform circular motion.**	→**Graphs for different types of motion** →**Calculations of displacement, velocity and acceleration from graph. [→Riding bicycle and knowing the use of paddle and brakes in motion]**	**Types of motion based on** →**path followed by body** →**velocity of body**
May	15	**Force and Newton's laws :** →**Force and Motion,** →**Newton's Laws of Motion Law of inertia, 2nd and 3rd law of motion.** → **Action and Reaction forces,** →**Inertia of a body, Inertia and mass,** →**Momentum, Force and Acceleration** → **Elementary idea of conservation of Momentum.**	**Applying force change the shape and size of body,** **Change the state of motion of body. [Illustration of Newton's 3rd law of motion.** →**Rocket propulsion** →**Walk and run.** →**recoiling of gun]**	**Effect of force and nature of forces.**
June	18	**Gravitation:** →**Gravitation; Universal Law of Gravitation** →**Newton's Universal Law of Gravitation** → **Force of Gravitation of the earth (gravity),** →**Acceleration due to Gravity;** →**Variation of g according to altitude and depth from surface of earth.** →**Mass and Weight; Free fall.** →**Floatation: Thrust and Pressure.** →**Archimedes' Principle; Buoyancy;** →**Elementary idea of**	→**Drop different bodies from same height.** **They fall to the ground at the same time.** →**bodies having densities greater than water, sink in it.[→Swimming demonstrates floatation.**	**Different places on earth has different value of acceleration due to gravity**

		Relative Density.	→ Student asked to lift a stone in air and then in water. Observe the change in weight.]	
July	25	REVISION FOR TERM-1		
August	23	TERM-1 (session 2023-2024)		
September	23	WORK, ENERGY AND POWER: →Work done by a Force →Work done as positive, zero and negative →Energy,	Models on Different examples for conservation of energy [Sliding bodies on a smooth and a rough surface. Observe in which case work done against friction is more.]	Factors on which work done depends.
October	19	→Kinetic and Potential Energy →Law of conservation of energy.		
November	20	Sound: →waves →types of waves Longitudinal and transverse wave →How sound is produced? →sound needs medium to propagate. Electric bell experiment. →characteristics of sound Loudness, pitch and quality →Music and noise →Noise pollution	To verify the laws of reflection of sound [Play different instruments]	→Sound needs medium to propagate →How echoes are produced
December	22	→reflection of sound- echo and its applications (echocardiography/ ultrasonography) & reverberation →Structure of the Human Ear (Auditory aspect only).	Application of reflection of sound.	Using sound distance and depth of an object can be measured.
January	20	REVISION FOR TERM II (2023-2024))		
February	22	TERM II EXAMINATION		
March	23	TERM II EXAMINATION		

SUBJECT-CHEMISTRY

Month	No.of Working g Days	Topic	Activities	Learning Outcomes
April	23	**Matter in our surroundings: Introduction, properties of matter. Different states of matter and their properties. Units of temperature: Degree Celsius and kelvin. Change of states of matter. Melting, boiling, evaporation, condensation, freezing, latent heat of fusion, vaporization, sublimation.**	**To study solutions, suspensions and colloids.** **To prepare a mixture and compounds and differentiate between them.** **[Observe the sublimation of camphor]**	**Students will understanding different state of matter and their properties. tudents will learn to conversion of temperature from different units.**
May	15	**Evaporation, factors affecting evaporation: Temperature, surface area, humidity, wind speed/ Cooling caused by evaporation. Presence of water vapour in air. Plasma and Bose Einstein states.**		**Application of evaporation in our daily life.**
June	18	**Is matter around us pure: Classification of matter: Pre and impure substances. Elements, types of elements: Metal, nonmetals and metalloids. Mixtures, types of mixtures: Homogenous and heterogenous mixtures and their properties. Compounds and its properties.**	**To separate the components of solutions.** **To observe the physical and chemical change.[Ask the students to draw a homogeneous and heterogeneous mixture with proper labeling in a chart paper.]**	**Understanding different types of substances and their classification.** **Understanding properties of colloidal solutions.**
July	25	**Difference between mixtures and compounds. Different types of colloidal solutions and their properties. Saturated and unsaturated solutions, solubility. Physical and chemical changes.**		**Understanding physical and chemical properties of different substances.**
August	23	**Atoms and molecules: Law of chemical combination: Law of conservation of mass, law of constant proportion and their explaintaion. Dalton's atomic theory of matter, drawbacks of Dalton's atomic theory. Atoms, symbols of element, Dalton's symbols of**	**[Write down the symbols, atomic number and mass number of the elements till Zn in a chart paper.]**	**Understanding laws of chemical combination and their applications.** **Differentiating between element, molecules and**

Month				
		element. Atomic mass of element. Molecules and its types. Chemical formula of elements and compounds. Molecular mass and calculation of molecular mass. Ions: cations and anions, polyatomic ions. Chemical formula, writing chemical formula. Valency of ions. Gram atomic mass, gram molecular mass. Mole concept, mole of atoms and molecules, problems based on mole concept.		compounds and their properties.
September	23	HALF YEARLY EXAM	DISCUSSION ON HALF YEARLY EXAM QUESTION PAPER	Students will able to understand their mistakes and will able to rectify their mistakes
October	19	Structure of atom: Introduction. Subatomic particles, Discovery of electrons, protons and neutrons and their characteristics. Atomic models: Thomson's model of atom and its drawbacks, Rutherford alpha scattering experiment and Rutherford model of atom, drawbacks of Rutherford model, Bohr's model of atom, success of bohr's model. Atomic number and mass number of elements and their relation	[Perform a presentation of Thomsons's atomic model and Rutherford atomic model in power point.] .	Understanding properties of different subatomic particles
November	20	Electronic configuration of elements. Inertness of nobel gases. Cause of chemical combination. Valency of elements, relation between valency and valence electrons. Types of valency: electrovalency and covalency. Isotopes, isobars and isotones and their properties. Average atomic masses of elements.		Understanding experiments regarding different models of atoms and extracting the more stable model of atom.
December	22	Revision of final term	Revision Test	

Janua ry	20	Revision of final term	Revision Test	*Recall and remember all the concepts.
Febru ary	22	Revision of final term&final term	Revision Test	*Recall and remember all the concepts.
March	23		final term Open Day	

Subject:- Biology

Prescribed Book –Science for Class IX

Mont h	No.of Workin g Days	Topic	Activities	Learning Outcomes
April	23	Chapter - 5 The Fundamental Unit of Life [Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.]	To prepare stained temporary mounts of: (a) onion peel and (b) human cheek cells and to record observations and draw their labeled diagrams [*Experiment * Pictorial Activity]	*Analyse the history behind discovery of cells. *Interpret the importance of types of cells. *Differentiate between prokaryotic and eukaryotic cell .
May	15	Chapter - 5 The Fundamental Unit of Life[Continued]	*Activity with dried raisins or apricots[*Experiment * Pictorial Activity]	*Analyse the history behind discovery of cells. *Interpret the importance of types of cells. *Differentiate between prokaryotic and eukaryotic cell .

June	18	Chapter - 6 Tissues[Structure and functions of animal tissues]	*Identification of types of muscles from prepared slides. Drawing of their labelled diagrams. *Identification of types of plant tissue from prepared slides. Drawing of their labelled diagrams. [*Creative Movement *Discussion * Pictorial Activity]	*Interpret various types of tissues. *Locate various animal tissues in the living organisms. *Correlate various animal tissues and their functions. differentiate between meristematic and permanent tissues. * Locate different tissues in the plant body.
July	25	Chapter - 6 Tissues[Structure and functions of animal tissues] [Continued]	**Identification of types of plant tissue from prepared slides. Drawing of their labelled diagrams. [*Discussion *Pictorial Activity]	* Locate different tissues in the plant parts.
August	23	Revision of Term-I		Recall and remember all the concepts
September	23	Question Paper Discussion & Assessment-Interactive discussion on Term - 1question paper. Chapter - 15 Improvement in Food [Introduction]	Term -1 Exam	Recall and remember all the concepts. discuss necessary conditions for good health.
October	19	Chapter - 15 Improvement in Food Resources [Plant and animal breeding and selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; Organic farming.]	Visit a livestock farms.Note the following: *Number of cattle and number of different breeds. *The amount of dairy milk production from the different breeds.[*Discussion *Photography *Collage Making]	*Recall genetically modified crops. .
November	20	Chapter - 15 Improvement in Food Resources[Continued]		*Interpret importance of hybridisation

December	22	Chapter - 15 Improvement in Food Resources	*Discussion	*Recall genetically modified crops. *Interpret importance of hybridisation.
January	20	Revision of final term	*Photography *Collage Making	*Recall and remember all the concepts.
February	22	Revision for final term & final term	Revision Test	*Recall and remember all the concepts.
March	23		final term Open Day	

Note: All the projects and assignment will form the part of the assessment.

Subject – History

Prescribed book: India and Contemporary world - I

			TERM - I		
Month	Working days	Topic	Activity with art integration	Map Work	Learning Outcomes
April	23	Section I- Events and Processes Ch 1- The French Revolution *French society during the late 18th century *The Outbreak of the Revolution *France abolishes Monarchy and Becomes a republic *The abolition of slavery *The Revolution and everyday life	*Find out more about any one of the revolutionary figures you have read about in this chapter & write a short biography of this person.(Art integrated activity) *Collection of information and pictures on any one event and writing newspaper article.(Art integrated activity)	On the Outline Political Map of France mark • Bordeaux • Nantes • Paris • Marseilles	• Familiarize with the names of people involved, the different types of ideas that inspired the revolution
May	15	Ch 2- Socialism in Europe and the Russian Revolution	Write the headline and a short news item about the uprising of 24 October 1917 for each of the	Outline Political Map of World (For locating and labelling / Identification)	• Familiarize with the different types of ideas that inspired the

			following newspapers *A conservative paper in France *A radical newspaper in Britain *A bolshevik newspaper in Russia (Art integrated activity)	• Major countries of First World War (Central Powers and Allied Powers) Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire) Allied Powers - France, England, Russia, U.S.A.	revolution & the wider forces that shaped it.
		• The age of social chang • The Russian Revolution			
June	18	*The February Revolution in petrograd *What changed after October? *The global influence of the Russian Revolution and the USSR	Project Report on : The role of ideas and women in French Revolution (Art integrated activity)		• Know the use of written, oral and visual material to recover the history of revolutions.
July	25	Ch 3- Nazim and the rise of Hitler • Birth of the Weimar Republic • Hitler's rise to power	Go through this chapter and read Source A and source B • What do they tell you about Hitler's imperial ambition?	On the given outline map , mark the land taken from Germany and 'Demilitarised Zones) with appropriate symbols.	In each of these two units students would get familiarized with distinct ideologies, extracts of speeches, political declarations, as well as the politics of caricatures, posters and engravings. Students would learn how to interpret these kinds of historical evidences.
August	23	Revision work			

			Use of maps to recognise the places related to the French Revolution.		To familiarize with the map of the world
September	23	**Revision work and Revision test Half yearly examination Question paper discussion.**			
				TERM - II	
October	19	**(Cont.) *The Nazi Worldview *Youth in Nazi Germany *Ordinary people and the crimes against humanity**	**Write a one-page history of Germany *As a school children in Nazi Germany *As Jewish survivor of a concentration camp**	**• Territories under German expansion (Nazi Power) Austria, Poland, Czechoslovakia (only Slovakia shown in the map), Denmark, Lithuania, France, Belgium**	**• Discuss the critical significance of Nazism in shaping the politics of modern world.**
November	20	<u>**Section II- Livelihoods, economies and societies**</u> <u>**Ch 4- Forest society and colonialism**</u> **Why Deforestation?** • **The rise of commercial forestry** • **Rebellion in the forest**	**Have there been changes in forest areas where you live? Find out what these changes are and why they have happened. Write a dialogue between a colonial forester and aadivasi discussing the issue of hunting in the forest.**		**To understand the social and cultural world of forest communities through the study of specific revolts**
December	22	• **Forest transformations in java** <u>**Ch 5- Patoralists in the modern world**</u> • **Pastoral nomads**		**On the given outline map of India , mark the Pastoral communities mentioned in the lesson with states to which they belong**	**To analyse the impact of modern states, marking of boundaries, contraction of pastures and expansion of markets on pastoralism in the modern world**

		and their movements			
January	20	• Colonial rule and the Pastoral life • Pastoralism in Africa	Find out more about the Some of the Pastoral communities marked in fig 11 and 14 of the chapter 6.		
February	22	Revision work	Revision test		
March	23	Annual Examination			

Subject- Civics

PRESCRIBED BOOK : DEMOCRATIC POLITICS –I (NCERT)

		TERM - I		
Month	Working days	Topic	Activity	Learning Outcomes
April	23	Democratic Politics Ch 1- What is Democracy why Democracy? *What is Democracy? *Features of Democracy . *Why Democracy? *Broader meaning of Democracy.	*Collection of information and pictures on other form of government and writing newspaper article. * Debate on Democracy Vs Dictatorship (Art integrated activity)	• Familiarize with the actual meaning of democracy and understanding its features by comparing with other.
May	15	Ch 2- Constitutional Design • Democratic Constitution in South Africa	Write a short account on present working body of the government in south Africa. Also make a poster on the life and struggle of Nelson Mandela.	• Develop respect for the constitution and appreciation for constitutional values.
June	18	• Why do we need constitution in South Africa ? • Making of the Indian Constitution.	By conducting youth Parliament, understand the process of constitution making and make a file on it. (Art integrated activity)	• Recognize constitution as a dynamic and living document.
July	25	Ch 3- Electoral Politics • Why Elections? • What is our System of Elections?	Project on : What makes election in India democratic.	Familiarize with Indian electoral System and Reason out for the adoption of present

				Indian Electoral system. *Develop an appreciation of citizens increased participation in Electoral politics.
August	23	Revision work Open Ended Survey Chapter-1: What is Democracy? Why democracy? Making of Questionnaires about • Meaning of democracy • beneficial or not • What rights they are getting in democracy.	Conduct a survey asking about some question related to democracy and how is it useful for them.	
September	23	Revision work and Revision test Half yearly examination Question paper discussion.		
			TERM - II	
October	19	Ch 4- Working of Institution • How is major policy decision taken? • Parliament	Conduct a mock parliament in your school and divide the different classes into two houses of the parliament. (Art integrated activity) Imagine to propose a bill and having discussion over it.	• familiarize with the system of election and get aware with the importance of election in democracy.
November	20	Ch. 4 Working of institution (Cont.) *Political Executive *The Judiciary Ch 5- Democratic Rights *Life without rights	Have you or your family ever been the part of any judicial system. Write a note on your experiences. "Rajya Sabha should be abolished " A report on class debate. (Art integrated activity)	Recognize the need for rights in one's life . Understand the availability of the right in democracy.
December	22	Ch-5 Democratic Rights (Cont.) • Rights in a democracy • Rights in Indian Constitution	Write a dialogue between the two person, one who is having democratic right and other who do not enjoy such rights. (Art integrated activity)	Create awareness regarding the process of safeguarding rights.

January	20	• Briefing of fundamental rights and duty.	Write the importance of fundamental rights in an individualslife .	Identify and be able to comprehend the fundamental rights of the Indian constitution.
February	22	Revision work	Revision test Write short notes over the different form of government.	Familiarize with other countries. Understand the importance of constitution.
March	23	Annual Examination		

SUBJECT- GEOGRAPHY

Month	Working days	Topics/chapter	Activities	Map activities	Learning Outcomes
April	23	Chapter 1 India- Size and location *Location *Size *India and the world *India's neighbours	• Find out the longitudinal and latitudinal extent of Indian States. (Art integrated activity)	On the given outline map of India , Mark the three countries which are surrounded by India on three sides.	*Identify the location of India in the Indian subcontinent. .
May	15	Chapter 1 Continue	Revision Test		
June	18	Chapter 2. Physical Features of India *MajorPhysiographicDivisions– Himalayan Mountains, Northern Plains,Peninsular Plateau,IndianDesert,CoastalPlains, Islands.	• Write the name of peaks, passes, ranges, plateaus, hills and duns which located in Himalaya. Quiz on the facts of India (Art integrated activity)	On the given outline map of India , mark the physiographic divisions of India with appropriate symbols.	Understandthemajorlandformfeaturesandtheunderlyinggeologicalstructure;theirassociationwithvariousrocksandminerals as well as nature of soiltypes.
July	25	Chapter 2 continue.	Revision Test		

August	23	Chapter 3. Drainage *Concept *DrainageSystems inIndia *TheHimalayanRivers-Gangaand BrahmputraRiver System *The Peninsular Rivers - Narmada Basin,Tapti Basin, Godavari Basin, MahanadiBasin, KrishnaBasin,Ka veriBasin *Lakes *RoleofRiversinth eEconomy *RiverPollution	•Prepare a list of river valley projects of India. (Art integrated activity)	On the given outline map of India ,Mark the following . *the lakes on the eastern coast *The lakes in the states of Kerala, Kashmir, Rajasthan	*Identify the river systems of thecountryandex plaintheroleof riversinthehuman society.
September	23	Term -1 Exam		revision	
October	19	Chapter 4 Climate *Concept *ClimaticControls *Factorsinfluenci ngIndia's climate –Latitude, Altitude, Pressure and Winds(excluding JetStreamsandW esternCyclonicDi sturbancesandrel ated figures) *The Seasons – Cold Weather Season,HotWeath erSeason,Advanci ngMonsoon,Retre ating/PostMonsoo ns *Distribution ofRainfall *Monsoonasaunify	• Find out which songs, dances, festivals and special food preparation are associated with certain season in your region. (Art integrated activity)	On the given map mark Tibetan Plateau, The direction of sub – tropical Westerly jet streams with appropriate symbol. The direction of surface winds blowing over Bay of Bengal with appropriate symbol	*Identifyvarious factorsinfluencin g theclimateandex plaintheclimatic variationofourco untryand its impact on the life of thepeople. *Explaintheimp ortanceandunify ingroleofmonsoo ns.

		ingbond			
November	20	**Chapter 5. Natural vegetation and wildlife** *TypesofVegetation– TropicalEvergreen Forests, Tropical DeciduousForests ,ThornForestsand Shrubs,Montane Forests,Mangrov eForests *WildLife	• Find ten occupation getting raw material from forests and wildlife.	On the given outline map of India, mark the five types of Vegetation found in India with appropriate symbols .	*Explain the nature of diverse flora andfaunaaswella stheirdistributio n. *Develop concern about the needto protect the biodiversity of ourcountry.
December	22	**Chapter 6. Population** *PopulationSizea ndDistribution– India's Population Size and DistributionbyNu mbers,India'sPop ulationDistributio nbyDensity *PopulationGrow thandProcessesof PopulationChang e–Population Growth and Processes of Population *Change/Growth	*Make a model to show the population of different regions. (Art integrated activity)	On the given outline map of India , mark the following- *The state with highest growth rate of population*Th e state with lowest growth rate of population. *The sex ratio of Maharashtra. *The state with the highest literacy rate *The state with the lowest literacy rate	*Analysetheuneve nnatureofpopulat ion distribution and showconcern about the large size ofourpopulation.
January	20	**Revision, previous year Question paper Discussion**	**Revision Test**		
February	22	**Revision, previous year Question paper Discussion**	**Revision Test**		
March	23	**Final term.**			

ECONOMICS

Month	Working days	Chapters	Art integrated activities	Learning outcome
April	23	Ch1 The Story of village Palampur • Factors of production • Farming in Palampur • Non farm activities in Palampur	Clay modeling to display different factors of production	To understand the concept of factors of production, their availability and problems
May	15	Ch2 People as Resource • Meaning of "people as resource" • Human capital formation • Economic activities by men and women	To prepare a ground report on current status of education sector and health sector in your district	To become familiar with human capital formation
June	18	(Cont) Ch.2 People as Resource • Improvement in quality of Population with the help of Education and Health • Problem of unemployment		
July	25	Ch. 3 Poverty as a Challenge • Typical cases of poverty • Wider meaning of poverty • Poverty line	To write an analytical article on poverty and government schemes to eradicate poverty	To understand the wider meaning of poverty
August	23	Revision for Half Yearly Examination		
September	23	Half yearly examination		
October	19	(Cont) Ch3 Poverty as a Challenge • Vulnerable groups • Global poverty scenario • Causes of poverty • Poverty alleviation measures	To make a file on at least 3 anti-poverty measures initiated by government of india	To understand different programs and their goals
November	20	Ch 4 Food security in India • What is food security? • Who are food insecure? • Green Revolution • Food security in India- FCI, Buffer stock,PDS	To make a project on Bengal famine as instructed by CBSE	To understand the importance of food security in India
December	22	(Cont) Ch4 Food Security in India • Current status of PDS in India • RPDS,TPDS,AAY,APS, NFSA • Role of cooperatives in Food security		To be able to differentiate between food security schemes
January	20	Revision for Annual Examination		
February	22	Annual Examination		

SUBJECT- INFORMATION TECHNOLOGY

MONTH	No. of Working days	TOPIC	ACTIVITY	LEARNING OUTCOME
APRIL	23	**Part-A** **Ch-1 Communication Skills** • **Methods of Communication** • **Verbal** • **Non-Verbal** • **Visual** **Ch-2 Self-Management skills** • **Describe the meaning & importance of Self-Management.**	• **Writing pros & Cons of Written, Verbal & Non-Verbal Communication** • **Listening do`s & don'ts for avoiding common body language mistakes** • **Draw a diagram of Communication Cycle.** • **Role plays on Communication process related to the job role.**	• **Demonstrate knowledge of various methods of Communication.** • **Identify elements of Communication Cycle.** • **Demonstrate the knowledge of basic writing skills.**
MAY	15	**Ch-3 Basic ICT skills.** • **Smart phones & Tablets** • **Role & Importance of ICT in personal life & at workplace** **Part-B** **Ch-6 Introduction to IT &ITes I industry.** • **Introduction to IT &ITes** • **BPO,BPM**	• **Identify & list the various IT enabled services.** • **List few hardware & Software.** • **Identify the various input, output & Storage devices.** • **Identify the installed OS on Computer.**	• **Describe the role of ICT in day-to-day life.** • **Identify the various components of Computer System.** • **Identify various peripheral devices.**
JUNE	18	**Ch-7 Data Entry & Keyboarding skills.** • **Pointing Device, Touch Typing** **Ch-8 Digital documentation**	• **Create Mail-merge in a word document.** • **List the available words processing applications.**	• **Use data entry tools keyboard & Mouse.** • **Use typing Software.** • **Edit the document**

		• **Open Office Writer, Creating & Saving a Document** • **Introduction to word.**	• **Type some text in the document & edit it.**	• **Start the Word processing Application.**
JULY	**25**	**Part-A** **Ch-4 Entrepreneurial skills.** • **Wage Employement.Role of Entrepreneur** • **Meaning of entrepreneurship development.**	• **Prepare posters of business activities found in Cities, villages using pictures.** • **Prepare list of businesses that provides goods & Services in exchange for money.**	• **Identify various types of business activities.** • **Demonstrate the knowledge of distinguishing characteristics of entrepreneurship.**
AUGUST	**23**	**Ch-9 Electronic Spreadsheet.** • **Worksheet & Workbook** • **Cell & Cell Address.**	• **Create a student spreadsheet & enter all the details & apply the different functions of Spreadsheet.**	• **Create a Spreadsheet.** • **Enter & edit the text in Spreadsheet.** • **Use Referencing.**
SEPTEMBER	**23**	**Revision for Half Yearly exam.** **Ch-9 Electronic Spreadsheet.** • **Worksheet & Workbook** • **Cell & Cell Address.**	• **Create a student spreadsheet & enter all the details & apply the different functions of Spreadsheet.**	• **Create a Spreadsheet.** • **Enter & edit the text in Spreadsheet.** • **Use Referencing.**
OCTOBER	**19**	**Ch-10 Digital presentation.** • **Elements of presentation** • **Inserting a duplicate slide.**	• **Creating different slides in PowerPoint.** • **Create the slide masters, add transitions to the presentation.**	• **Describe the quality of good Presentation.** • **Work with Slides.**
NOVEMBER	**20**	**Ch-10 Digital presentation.** • **Elements of presentation** **Inserting a duplicate slide.**	• **Creating different slides in PowerPoint.** • **Create the slide masters, add transitions to**	• **Describe the quality of good Presentation.** • **Work with Slides.**

			the presentation.	
DECEMBER	**22**	**Part-B** **Ch-5 Green Skills.** • **Relation between society & Environment.**	• **Group discussion on Hazards of deteriorating environment.** • **Prepare posters showing environment conservation.**	• **Describe the importance of green economy & green skills.**
JANUARY	**20**	**Part-B** **Ch-5 Green Skills.** • **Relation between society & Environment.**	• **Group discussion on Hazards of deteriorating environment.** • **Prepare posters showing environment conservation.**	• **Describe the importance of green economy & green skills.**
FEBRUARY	**22**	**Revision for Annual Term.**		
MARCH	**23**			