

CLASS IX

**ENGLISH
LANG. & LIT.
(184)**

**English
Lang. & Lit.
(184)**

SUBJECT	MONTH	CHAPTERS	GRAMMAR AND WRITING	ACTIVITY/PROJECT
English Lang. & Lit. (184)	APRIL	1. The Fun they Had 2. The Road Not Taken (Poem) 3. The Lost Child 4. The Sound of Music	Modals Diary Entry	Comparison of folk music and the instruments of Uttarakhand with its pairing state.
	MAY	1. Wind (Poem) 2. The Adventures of Toto 3. The Little Girl	Determiners Tenses	Collage Making
	JULY	1. A Truly Beautiful Mind 2. Rain on the Roof (Poem) 3. Iswaran the Storyteller 4. The Snake and the Mirror 5. The Lake Isle of Innisfree (Poem)	Subject Verb Concord Descriptive Paragraph	Description of an event based on verbal cue/s
	AUGUST	1. In the Kingdom of Fools 2. The Happy Prince 3. My Childhood 4. A Legend of the Northland (Poem)	Reported Speech Story Writing Integrated Grammar Practice	Comic strip
	SEPTEMBER	Term-I Begins		
	OCTOBER	1. No Men Are Foreign(Poem) 2. Reach for the Top 3. On Killing a Tree (Poem)	Gap Filling Exercises	Collect information about the first ladies in India in various fields
	NOVEMBER	1. <u>The Beggar</u> <u>Pre-Annual Examination Begins</u>	Editing Sentence Transformation	Dramatization
	DECEMBER	1. The Last Leaf 2. A Slumber Did My Spirit Seal (Poem)		
	JANUARY	1. Kathmandu 2. A House is Not a Home 3. If I Were You	Diary Entry Descriptive Paragraph Integrated Grammar Exercises	ALS
	FEBRUARY	Term II Begins		

HINDI COURSE-A (002)

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SUBJECT	MONTH	CHAPTERS	GRAMMAR AND WRITING	ACTIVITY/PROJECT
HINDI COURSE-A (002)	अप्रैल + मई	1 -दो बैलों की कथा 9-(क) सखियाँ (ख) सबद (पद)	<ul style="list-style-type: none"> ● शब्द निर्माण उपसर्ग एवम् प्रत्यय ● लघुकथा लेखन ● पत्र- औपचारिक,अनौपचारिक ● अनुच्छेद लेखन 	<ul style="list-style-type: none"> ● जानवरों /पशु-पक्षियों को पालतू बनाना उचित है ? (वाद-विवाद) ● दोहों का सुमधुर वाचन
	जुलाई	2-ल्हासा की ओर 10-वाख (कविता) ● इस जल प्रलय में (कृतिका)	<ul style="list-style-type: none"> ● समास ● ई-मेल लेखन ● संवाद लेखन ● अपठित गद्यांश और पद्यांश 	<ul style="list-style-type: none"> ● मौसम,पर्यावरण,प्रदूषण एवम् भूमंडलीय तापवृद्धि सम्बन्धित सूचनाएं एकत्र कीजिए। (परियोजना कार्य)
	अगस्त	3-उपभोक्तावाद की संस्कृति 11-सवैया (कविता) ● मेरे संग की औरते (कृतिका) 6.	<ul style="list-style-type: none"> ● अलंकार- शब्दालंकार 1- अनुप्रास 2- यमक 3- श्लेष ● सूचना लेखन 	<ul style="list-style-type: none"> ● किन्हीं दो उत्पादनों पर विज्ञापन तैयार कीजिए। ● रसखान की सवैया का सुमधुर वाचन ।
	सितंबर	5. 12- कैदी और कोकिला	पत्र लेखन ,अनुच्छेद लेखन ● अर्थ की दृष्टि से वाक्य भेद।	<ul style="list-style-type: none"> ● भारतीय स्वाधीनता संग्राम के क्रान्तिकारियों के विषय में सूचना एकत्र कीजिए।
	सितंबर	TERM I		
	अक्टूबर	4 -साँवले सपनों की याद 13- ग्रामश्री (कविता) ● रीढ़ की हड्डी (कृतिका) 1.	<ul style="list-style-type: none"> ● लघुकथा लेखन ● ई-मेल लेखन ● सूचना लेखन ● संवाद लेखन 	<ul style="list-style-type: none"> ● गाँवों से शहरों की ओर पलायन सही है? (वाद-विवाद)

	नवंबर	6- प्रेमचंद के फटे जूते 2. 15- मेघ आए (कविता)	अपठित गद्यांश और पद्यांश	आपके हिसाब से जूता और टोपी में कौन सी चीज अधिक महत्वपूर्ण है और क्यों ?(समूह चर्चा)
	दिसम्बर	7- मेरे बचपन के दिन 17- बच्चे काम पर जा रहे हैं ।	पत्र ,अनुच्छेद	लड़कियों के प्रति भेदभाव हमारे देश और समाज की उन्नति में बाधक है (वाद - विवाद) ● बालश्रमिक पर एक लेख तैयार कीजिए। (150 शब्दों में)
Note - वार्षिक परीक्षा में पूरे पाठ्यक्रम (Term I & Term II) से प्रश्न पूछे जाएंगे ।				

**SOCIAL
SCIENCE
(087)**

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT/ART INTEGRATED PROJECT
SOCIAL SCIENCE (087)	APRIL	Ch.1 The French Revolution(HIS) Ch.1 India-Size and Location(GEO) Ch. 1 What is Democracy? Why Democracy? (CIV)	<ul style="list-style-type: none"> •Map Activity in History and Geography. •Find and write out the longitudinal and latitudinal extent of your state. •Draw different political symbols related to French Revolution and explain them. •Case study and debate on the topic “What is Democracy? Why Democracy?”
	MAY	Ch. 1 The Story of Village Palampur (ECO) (To be assessed as part of Periodic Assessment only)	<ul style="list-style-type: none"> •Map Activity of mountain, hills, peaks, plateaus. •Use art integration strategy to summarize and present the reasons land degradation and sustainable development. <p style="text-align: center;">Interdisciplinary project of History and Geography</p> <ul style="list-style-type: none"> • Collect information about trees and plants species in your neighbourhood areas and make project by pasting pictures and short description. (at least five species of trees and plants) <p>Find information and paste pictures of plants having medical values in your neighbourhood. (at least five medical plants)</p>
	JULY	Ch.2 Physical Features of India (GEO) Ch. 2 People as Resource (ECO) Ch. 2 Constitutional Design (CIV)	<ul style="list-style-type: none"> •Group discussion on the passages written by Shaukat Usmani and Rabindranath Tagore. •Debate and discussion on quality of population. <p>Write Preamble in your scrapbook and also paste the images of five members of Constituent Assembly.</p>
	August	Ch. 2 Socialism in Europe and the Russian Revolution (HIS) Ch. 3 Drainage(GEO) Ch. 3 Electoral Politics(CIV)	<ul style="list-style-type: none"> •Discuss the character of Hitler through role-play and speech. • Debate on the challenges faced by river water and Ganga action plan as well as how it effects on human life. •Prepare a flier to seek maximum votes from the students of the school as a contestant of head boy /girl.
	SEPTEMBER	REVISION & TERM- 1 EXAMINATION	
	OCTOBER	Ch.3 Nazism and the Rise of Hitler (HIS) Ch. 4 Climate (GEO) Ch. 4 Forest Society and Colonialism (HIS) (Interdisciplinary project as part of multiple Assessments)	<ul style="list-style-type: none"> •Collect and Read the Weather reports and have a class room discussion to conclude about the factors controlling climate. •Follow the news about any major court case in a High Court or the Supreme court. What was original verdict? Did the High Court or the Supreme Court change it? What was the reason? •Debate whether education can remove poverty.
		Ch. 3 Poverty As A Challenge (ECO)	
	NOVEMBER	Ch. 5 Pastoralists in the Modern World (HIS) (To be assed as part of periodic assessment only)	<ul style="list-style-type: none"> •Find out more about some of the Pastoral Communities marked in Figs. 11 and. 13.

		Ch. 5 Natural Vegetation and Wildlife (GEO) (Only map pointing to be evaluated in the annual examination.) Ch. 4 Working as Institutions (CIV) Ch. 4 Food Security In India (ECO)	<ul style="list-style-type: none"> • Analyse and infer the reasons behind the uneven distribution of population in India with specification to UP & Rajasthan and Mizoram and Karnataka. • Declamation on needs to have Rights and importance of performing duties. • Write Five government schemes for food security with detail implementation.
	DECEMBER	Ch. 5 Democratic Rights (CIV) Ch. 6 Population (GEO)	
	JANUARY	REVISION FOR TERM -II	
	FEBRUARY	TERM – II BEGINS	

**MATHEMATICS
STANDARD (041)
& BASIC (241)**

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT/ART INTEGRATED PROJECT
MATHEMATICS STANDARD & BASIC (041/241)	APRIL	1 Number Systems 3 Coordinate Geometry	To draw a square root spiral Location of a point in a cartesian plane
	MAY	2 Polynomials	Geometrical representation of factors of polynomials
	JULY	4 Linear Equations in two variables	Presentation of the chapter by students
		5 Introduction to Euclid's Geometry 6 Lines and Angles	
	AUGUST	7 Triangles	Verify experimentally the different criteria for congruency of triangles using different triangular cut out shapes
		8 Quadrilaterals	
	SEPTEMBER	REVISION TERM I EXAM	
	OCTOBER	9 Circles	To verify the sum of the angles in a cyclic quadrilateral is 180° by using bangles and matchsticks/ tooth picks
		10 Heron's Formula	
	NOVEMBER	11 Surface areas and Volumes PRE-ANNUAL EXAMINATION	To obtain the formula for surface area and volume of a right circular cone
	DECEMBER	12 Statistics	To draw a histogram by collecting the marks obtained by the students in mathematics in Half Yearly exam
	JANUARY	REVISION AND SOLVING OF SAMPLE QUESTION PAPERS	
FEBRUARY	ANNUAL EXAMS BEGINS		

SCIENCE

(086)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/ PROJECT
SCIENCE (086)	APRIL	<u>PHYSICS</u> Chapter- 7: Motion Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration.	<u>ACTIVITY</u> To show live examples of distance and displacement by giving them certain situations.
		<u>BIOLOGY</u> Chapter-5: Cell- Fundamental unit of life. Cell as a basic unit of life, prokaryotic and eukaryotic cells, multicellular organisms, cell membrane and cell wall	<u>ACTIVITY</u> To demonstrate osmosis by soaking raisins in water.
		<u>CHEMISTRY</u> Chapter- 1: Matter in Our surrounding Definition of matter, solid, liquid and gas; characteristics-shape, volume, density; change of state-melting (absorption of heat), freezing	<u>ACTIVITY</u> To determine the melting point of ice and the boiling point of water.
	MAY	<u>PHYSICS</u> Chapter- 7: Motion (Continued.....) Distance -time and velocity- time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.	<u>ACTIVITY</u> To plot graphs (uniform and non uniform) of their recent journey.
		<u>BIOLOGY</u> Chapter-5: Cell- Fundamental unit of life (Continued....) Cell organelles and cell inclusions ; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus ,nucleus,chromosomes,-basic structure, number	<u>ACTIVITY</u> To sketch the diagrams of Prokaryotic and Eukaryotic cells.
		<u>CHEMISTRY</u> Chapter- 1: Matter in Our surrounding (Continued....) Evaporation (cooling by evaporation), condensation and sublimation.	<u>ACTIVITY</u> To demonstrate sublimation process by taking an example of NH ₄ Cl (Ammonium chloride)
	JULY	<u>PHYSICS</u> Chapter-8: Force and laws of motion. Force and its types, Newton's laws of motion, inertia of a body, Action and reaction forces inertia and mass, momentum, force and acceleration	<u>ACTIVITY</u> To demonstrate all three laws of motion by giving live examples (using carom board, cards, Balloon etc)
		<u>BIOLOGY</u> Chapter-6 : Tissue Structure and functions of plant tissues (Meristematic tissue, permanent tissue, Simple and complex tissue)	<u>ACTIVITY</u> 1. Preparation of stained temporary mount of onion peel. 2. To show the plant cells.
		<u>CHEMISTRY</u>	<u>ACTIVITY</u>

		Chapter- 2: Is matter around us pure? Elements, compounds and mixtures- homogeneous and heterogeneous mixtures, suspension and colloids, physical and chemical changes(excluding separating the components of a mixture)	1. To prepare a true solution, a suspension and a colloid time differentiate between them on the basis of transparency, stability and filtration criteria. 2. Preparation of a mixture and a compound. 3. To perform various reactions and classify them as physical and chemical changes.
AUGUST	<u>PHYSICS</u> Chapter- 9: Gravitation Gravitation, universal law of gravitation, force of gravitation of the earth (gravity), acceleration due to gravity, mass and weight , free fall, Floatation : Thrust and pressure, Archimedes' principle , buoyancy)		<u>ACTIVITY</u> 1. Determination of density of solid (denser than water) by using a spring balance and a measuring cylinder. 2. Establishing the relation between the loss in weight of a solid when fully immersed in – (i) Tap water (ii) Strongly salty water 3. To demonstrate buoyancy by daily life examples in class and also explain Archimedes principle through it.
	<u>BIOLOGY</u> Chapter-6 Tissues (Continued.....) Animal tissues (Epithelial, connective, muscular, nervous)		<u>ACTIVITY</u> To prepare stained mount of human cheek cell and record the observation and draw labeled diagram.
	<u>CHEMISTRY</u> Chapter-3: Atoms and molecules Laws of chemical combination (law of conservation of mass, law of constant proportion)		<u>ACTIVITY</u> Verification of law of conservation of mass in a chemical reaction.
SEPTEMBER	HALF -YEARLY EXAMINATION BEGINS		
OCTOBER	<u>PHYSICS</u> Chapter-10: Work and Energy. Work done by a force, energy, power, Kinetic and potential energy, law of conservation of energy (excluding commercial unit of energy)		<u>ACTIVITY</u> Discuss the various ways of energy conversion in our daily life.
	<u>BIOLOGY</u> Chapter- 12: Improvement in food resources Plant and animal breeding, selection for quality improvement and management.		<u>ACTIVITY</u> To prepare assignment on natural resources.
	<u>CHEMISTRY</u> Chapter- 3: Atoms and molecules (Continued....)		<u>ACTIVITY</u>

		chemical formula of common compounds, atomic and molecular masses)	Assignment:- To calculate the molecular mass of different molecules and compounds.
NOVEMBER	<u>PHYSICS</u> Chapter-11: Sound Nature of sound and its propagation in various media, speed of sound, range of hearing in humans, ultrasound, reflection of sound, echo		<u>ACTIVITY</u> 1. To verify the laws of reflection of sound with the help of chart, cardboard etc. 2. Determination of the speed of a pulse propagated through a stretched string/ slinky (Helical spring)
	<u>BIOLOGY</u> Chapter- 12: Improvement in food resources (Continued.....) Use of fertilizers and manures , protection from pests and diseases, organic farming		<u>ACTIVITY</u> Assignment on management practices that are common in dairy and poultry farming.
	<u>CHEMISTRY</u> Chapter-4: Structure of the atom. Electrons protons and neutrons, valency, atomic number and mass number, isotopes and isobars.		<u>ACTIVITY</u> 1. To prepare “ Bohr’s model of an atom”. 2. To prepare a chart of atomic structure of the first eighteen elements.
PRE - ANNUAL EXAMINATION			
DECEMBER	<u>PHYSICS</u> Chapter-11: Sound Conti.....		
	<u>CHEMISTRY</u> Chapter-4: Structure of the atom. Conti.....		
	<u>BIOLOGY</u> Chapter- 12: Improvement in food resources (Continued.....)		
JANUARY	<u>PHYSICS</u> Chapter-11: Sound Conti.....		
	<u>CHEMISTRY</u> Chapter-4: Structure of the atom. Conti.....		
	<u>BIOLOGY</u> Chapter- 12: Improvement in food resources (Continued.....)		
FEBRUARY	TERM-II BEGINS		

ARTIFICIAL INTELLIGENCE (417)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/ PROJECT
ARTIFICIAL INTELLIGENCE (417)	APRIL	Part A Unit 1- Communication Skills Part B Introduction to AI	Draw a diagram of communication cycle
	MAY	Part A Unit-5 Green Skills Unit-2 Self-Management Skills Part B Unit-1 AI Reflection, Project Cycle and Ethics - Understanding AI: Domains and Applications	Various activities related to excite, relate, purpose, possibilities, A.I. ethics given in the book
	JULY	Part B Unit 1 Contd. - The AI Project Cycle- II - AI Ethics- II	1.Swot analysis 2.Role play exercises on building self confidence Making collages and posters related to the topic 1.Various activities related to Problem scoping, Data acquisition, Data exploration and modelling given in the book
	AUGUST	Part B Unit-2 Data Literacy - Basics of Data Literacy - Acquiring Data, Processing, and Interpreting Data - Project Interactive Data Dashboard & Presentation	1.Preparing posters, collages related to ICT 2. Identification of various parts of computer Activities cont.. Developing algorithm and flowchart from examples of everyday life
	SEPTEMBER	HALF YEARLY EXAMS	
	OCTOBER	Part A Unit-3 ICT Skills Unit-4 Entrepreneurial Skills	Prepare posters of business activities found in urban and rural areas

			Demonstrate applications of machine learning
NOVEMBER	Part B Unit-3 Math for AI (Statistics & Probability) - Importance of Math in AI - Statistics - Probability PRE - ANNUAL EXAMINATION		Prepare charts showing environment conservation and importance of green economy with the help of newspaper / magazine cuttings Sharing youtube links to demonstrate the subject
DECEMBER	REVISION		
JANUARY	Unit- 4 Introduction to Generative AI		
FEBRUARY	ANNUAL EXAMINATION		

