Session 2024-25

DAV PUBLIC SCHOOLS

Jharkhand Zone - G

Managed by : DAV College Managing Committee, New Delhi-110055

CLASS IX

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
ENGLISH

Month	Topics to be covered
April	Eng Main Course- Unit -1 People Eng Literature Reader- Fiction -Ch-1 How I Taught My Grandmother to Read, Poetry-Ch-1 The Brook Eng Work Book/ Grammar Ch-1 Verb Form, Tenses Writing - Notice Writing
May	Eng Main Course- Unit-02 Adventure Eng Literature Reader- Fiction -Ch-2 A Dog Name Duke Poetry- Ch-2 The Road Not Taken Eng WorkBook/ Grammar -Tense(Contd.) Writing - Dialogue Writing
June	Eng Main Course- Unit-03 Environment Eng Literature Reader- Poetry - Ch-03 The Solitary Reaper Eng WorkBook/ Grammar -Ch-02 Determiners,Ch-03 Future Time Reference Writing- Diary Entry
July	Eng Main Course- Unit-04 The ClassIX Radio and Video show Eng Literature Reader- Fiction - Ch-03- The Man Who knew Too Much Eng WorkBook/ Grammar -Ch - 04 Modals, Subject Verb Concord Writing - Descriptive Paragraph
August	Eng Main Course- Unit-05 Mystery Eng Literature Reader- Poetry- Ch-04 The Seven Ages Drama- Ch -1 Villa for Sale Eng WorkBook/ Grammar - Ch -05 Connectors,Clauses-a) Noun, b) Adverb,c)Relative Writing - Formal and Informal Letter
September	**Half Yearly Examination (Portion - April to August)**
October	Eng Main Course- Unit-06 Children Eng Literature Reader- Fiction - Ch-04 Keeping It From Harold Poetry - Ch -05 Oh,I Wish I'd Looked After Me Teeth Eng WorkBook/ Grammar -Ch -06 The Passive ,Ch-07 Reported Speech writing - Paragraph on one out of two these from The Main Course Book.

November	Eng Main Course- Unit-07 Sports and Game Eng Literature Reader- Fiction - Ch-05 Best Seller Poetry -Ch- 06 Song of the Rain. Drama - ch-02 The Bishop's Candlesticks Eng WorkBook - Ch-07 Reported Speech,Ch-08 Preposition Writing - Paragraph Writing
December	Eng Main Course- Revision Eng Literature Reader- Revision Eng WorkBook - Revision Writing - Revision
January	REVISION
February	ANNUAL EXAM

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
HINDI

माह	पाठ	विषय वस्तु
अप्रैल	गद्य पद्य व्याकरण	1. दो बैलों की कथा 1. साखियाँ और सबद उपसर्ग और प्रत्यय
मई	गद्य पद्य व्याकरण	2. लहासा की ओर 3. उपभोक्तावाद की संस्कृति 2. वाख 3. सवैये अर्थ के आधार पर वाक्य भेद
जून	गद्य लेखन कार्य व्याकरण	4. सांवले सपनों की याद अनुच्छेद लेखन, पत्र लेखन समास, अपठित बोध
जुलाई	गद्य (कृतिका से) पद्य व्याकरण लेखन कार्य	1. इस जल प्रलय में 4. कैदी और कोकिला अलंकार संवाद-लेखन, ई-मेल लेखन, सूचना लेखन
अगस्त	गद्य (कृतिका से) लेखन कार्य	5. मेरे संग की औरतें लघुकथा-लेखन, संवाद-लेखन, पत्र लेखन, सूचना लेखन
सितंबर	अर्द्धवार्षिक परीक्षा	
अक्टूबर	गद्य (क्षितिज) पद्य	6. प्रेमचंद के फटे जूते 3. रीढ़ की हड्डी(कृतिका से) 5. ग्रामश्री
नवम्बर	गद्य पद्य व्याकरण	7. मेरे बचपन के दिन 6. मेघ आए 7. बच्चे काम पर जा रहे हैं अलंकार
दिसंबर	व्याकरण लेखन-कार्य	समास, अर्थ के आधार पर वाक्य भेद संवाद-लेखन, अनुच्छेद लेखन, पत्र लेखन, ई-मेल लेखन, सूचना लेखन
जनवरी	लेखन कार्य	पत्र लेखन, लघुकथा लेखन, पुनरावृति कार्य
फरवरी	वार्षिक परीक्षा	

मासाः	पाठ्यविन्दवः
अप्रैल	**पाठ- 1** अविवेकः परमापदां पदम् **पाठ- 2** पाथेयम् <u>स्वर सन्धि</u> - दीर्घ , गुण <u>धातुरुप</u>- गम् , भू (पञ्चसु लकारेषु) <u>शब्दरूप</u> - बालक , लता , फल <u>प्रत्यय</u> - क्त्वा
मई	**पाठ- 3** विजयतां स्वदेशः <u>स्वर सन्धि</u> - यण् ,अयादि <u>धातुरुप</u>- नी ,अस् (पञ्चसु लकारेषु) <u>शब्दरूप</u>- अस्मद् , युष्मद् <u>प्रत्यय</u>- तुमुन् संवादपूर्तिः / कथापूर्तिः
जून	**पाठ- 4** विद्यया भान्ति सद्गुणाः <u>स्वर सन्धि</u> - वृद्धि <u>धातुरुप</u>- कृ (पञ्चसु लकारेषु) <u>शब्दरूप</u>- भवत् <u>प्रत्यय</u>- ल्यप् अव्ययानि, स्थानबोधकानि- अत्र, तत्र ,अन्यत्र, सर्वत्र, यत्र, एकत्र,उभयत्र चित्रवर्णनम् / अनुच्छेद लेखनम्
जूलाई	**पाठ - 5** कर्मणा याति संसिद्धिम् **पाठ- 6** तत् त्वम् असि <u>शब्दरूप</u>- किम् , तत् (त्रिषु लिङ्गेषु) <u>धातुरुप</u>- प्रच्छ् (पञ्चसु लकारेषु) <u>आत्मनेपदिनः</u> - सेव , लभ (लट् लकारे, लृट् लकारे) <u>संख्या</u> - एकतः पञ्चाशत् पर्यन्तम् (1-50) (1-4) त्रिषु लिङ्गेषु प्रथमा विभक्तौ संस्कृत अनुवादः- अन्ययानि - <u>कालबोधकानि</u> - यदा , तदा , सर्वदा, एकदा, पुरा, अधुना , अद्य, श्वः , ह्यः
अगस्त	कारक उपपदविभक्तयः , द्वितीय परितः समया/ निकषा, प्रति, दिना ,उभयतः तृतीया- सह / समम् / सार्थम् , विना,अलम् ,हीन चतुर्थी- रुच् , दा (यच्छ) नमः कुप् / अलम् (सामर्थ्ये) संवादपूर्तिः / कथापूर्तिः चित्रवर्णनम् / अनुच्छेद लेखनं वा करणीयम् अपठित गद्यांशम् , रचनात्मक लेखनम् चित्रवर्णनम्
सितंबर	**HALF YEARLY EXAM**
अक्तूबर	**पाठ- 7** तरवे नमोऽस्तु **पाठ- 8** न धर्मवृद्धेषु वयः समीक्ष्यते <u>व्यञ्जन सन्धि</u> - वर्गीय प्रथम वर्णस्य तृतीय वर्ण परिवर्तनम् ,'म' स्थाने अनुस्वारः <u>शब्द रूप</u> - साधु ,कवि, नदी

	<u>धातुरुप-</u> क्षाल् ,ज्ञा (पञ्चसु लकारेषु) <u>अव्ययानि</u> - अपि, यदि, तर्हि, यथा, तथा, सम्यक्, एव संवादपूर्ति: / कथापूर्ति:
नवम्बर	**पाठ- 9** कवयामि वयामि यामि **पाठः -10** भारतीय विज्ञानम्(केवलं यान्तरिक मूल्यांकनाय) <u>विसर्ग सन्धि-</u> उत्वम् , सत्वम्, सत्वम्, षत्वम् अव्ययानि प्रश्नबोधकानि , किम् , कुत्र, कति, कदा , कुतः , कथम् , किमर्थम् चित्रवर्णनम्
दिसम्बर	**पाठ- 11** भारतेनास्ति में जीवनं जीवनम् (केवलं यान्तरिक मूल्यांकनाय) <u>संख्या</u> - एकपञ्चाशतः शतं पर्यन्तम् (51-100) <u>प्रत्यय-</u> शतृ <u>आत्मनेपदिनः</u> - रुच् (लट् ,लङ् , लृट् लकारे) कारक उपपदविभक्तयः पञ्चमी- विना, वहि: ,भी ,रक्ष षष्ठी- उपरि, अधः, पुरतः, पृष्ठतः, वामतः, दक्षिणतः सप्तमी - स्निह्, विश्चस् , निपुणः, कुशल
जनवरी	सैम्पल पेपर अभ्यास व पुनरावृत्ति पाठ- पुनरावृत्ति व अभ्यास व्याकरण अभ्यासःत(पाठान्तर्गतम्) रचनात्मक कार्यम्, पत्र लेखनम्, अनुच्छेद लेखनम् चित्राधारित अभ्यासः, संवादपूर्ति /कथापूर्तिः , अभ्यासः, सम्पूर्ण पाठ अभ्यासः
फरवरी	वार्षिक परीक्षा

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DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
SUBJECT : MATHEMATICS

Month	Unit/chapter	Topics to be Covered
April	Unit 1 Number system	**Real number** Review of representation of natural numbers, integers, and rational numbers on the number line. Rational numbers as recurring/ terminating decimals. Operations on real numbers. 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. Definition of nth root of a real number. 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 combinations) where x and y are natural number and a and b are integers. 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.)
May -June	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. Factorization 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. Verification of identities:

$$(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$$
$$(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$$
$$x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)$$
$$x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$$

and their use in factorization of polynomials.

LINEAR EQUATIONS IN TWO VARIABLES

Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax + by + c = 0$. Explain that a linear equation in twovariables has infinitely many solutions and justify their being written as ordered pairs of realnumbers, plotting them and showing that they lie on a line.

July	UNIT IV: GEOMETRY	### 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. **2.LINES AND ANGLES** (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse. (Prove) If two lines intersect, vertically opposite angles are equal. (Motivate) Lines which are parallel to a given line are parallel.
		TRIANGLES (Motivate) Two triangles are congruent if any two sides and the included angle of one triangleis equal to any two sides and the included angle of the other triangle (SAS Congruence). (Prove) Two triangles are congruent if any two angles and the included side of one triangle isequal to any two angles and the included side of the other triangle (ASA Congruence). Motivate) Two triangles are congruent if the three sides of one triangle are equal to threesides of the other triangle (SSS Congruence). (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle areequal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence) (Prove) The angles opposite to equal sides of a triangle are equal.

		(Motivate) The sides opposite to equal angles of a triangle are equal.
August	Unit V Mensuration	**AREA** Area of a triangle using Heron's formula (without proof)
September	**Half Yearly Exam**	
October	Unit V Mensuration	**SURFACE AREAS AND VOLUMES** Surface areas and volumes of spheres (including hemispheres) and right circular cones.
November	**UNIT III: COORDINATE GEOMETRY** Unit VI Statistics `	**COORDINATE GEOMETRY** The Cartesian plane, coordinates of a point, names and terms associated with thecoordinate plane, notations. `**STATISTICS** Bar graphs, histograms (with varying base lengths), and frequency polygons.
December	**UNIT IV: GEOMETRY**	**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 tothe third side and in half of it and (motivate) its converse.
January		**CIRCLES(17) Periods** (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. 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 tothe chord. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. (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. (Motivate) Angles in the same segment of a circle are equal. .(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. .(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.	
February	BOARD EXAM		

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
PHYSICS

Month	Chapter	Topic	Activity
April	Motion	Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration.	Graphical representation of motion. Distance-time graph Velocity-time graph
May	Motion	Distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.	
June	Force and law of motion	Force and Motion, Newton's Laws of Motion, Action and Reaction forces.	
July	Force and law of motion	Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.	
August	Gravitation	Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight. **Revision**	To find the density of a solid using spring balance and measuring cylinder
September		**Revision + Term I Exam**	

October	Gravitation	Floatation thrust and pressure, buoyancy, Archimedes principle, density and relative density.	To find the density of a solid using spring balance and measuring cylinder. Establishing the relation between the loss in weight of solid when unmersed in strongly salty water & in tap water with the weight of water displaced by it
November	Work Energy & Power	Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy).	
December	Sound	Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.	To verify laws of reflection of sound To determine the velocity of a pulse propagated through a stretched string/slinky
January		**Revision**	
February	**ANNUAL EXAM**		

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
CHEMISTRY

Months	Chapter	Topics	Activities
April	Chapter-1 Matter in Our Surroundings	Introduction, Particles Constitute Matter, Characteristics Of Matter, Three States Of Matter, Distinction Among The Three States Of Matter, Shape, Volume, Density.	Showing The Arrangements Of Particles In Three States Of Matter

MAY	Chapter-1 Matter In Our Surroundings	Change Of State Of Matter, Melting,sublimation Freezing, Condensation, Evaporation And Factors Effecting Evaporation, Cooling By Evaporation.	Preparation Of a Mixture And a Compound Using Iron Fillings And Sulphur
JUNE	Chapter-2 Is Matter Around Us Pure	Pure Substances, Types Of Pure Substances, Mixtures, Saturated And Unsaturated Solutions.	Preparation Of a True Solution
JULY	Chapter-2 Is Matter Around Us Pure	True Solution, Colloidal Solution, Suspension, Concentration Of Solution, Physical & Chemical Changes	Suspension, Colloid And Distinguish Between These On The Basis Of Transparency, Filtration And Stability Criterion.
AUGUST	Chapter-2 Is Matter Around Us Pure	Revision Chapter-2- Pure Substances, Types Of Pure Substances Mixtures, Saturated, Unsaturated Solutions, Concentration Of a Solution, True Solution, Colloidal Solution, Suspension, Physical & Chemical Changes. Practice Sample Questions Paper.	
SEPTEMBER	**Half Yearly Exam**		

October	Chapter-3 AtomsAnd Molecules	Laws Of Chemical Combination, Daltons Atomic Theory, Symbols Of Elements, Atomic Mass, Atoms, And Molecules, Ions Chemical Formulae, Existence Of Crystalline Solids, Molecular Mass, Mole Concept.	To Verify The Law Of Conservation Of Mass In a Chemical Reaction.
November	Chapter-4 Structure Of The Atom	Introduction, Charged Particles, Structure Of Atom, Thomson's Model Of Atom, Rutherford's Model Of Atom, Bohr's Model Of Atom, Atomic Number, Mass Number, Valency Of Elements, Isotopes, Isobar	
December	Chapter-3 AtomsAnd Molecules	Revision Chapter 3- Laws Of Chemical Combination, Daltons Atomic Theory, Symbols Of Elements, Atomic Mass, Atoms, And Molecules, Ions Chemical Formulae, Existence Of Crystalline Solids, Molecular Mass, Mole Concept. Practice Sample Questions Paper	
January	Chapter-4 Structure Of The Atom	Revision Chapter 4- Charged Particles, Structure Of Atom, Thomson's Model Of Atom, Rutherford's Model Of Atom, Bohr's Model Of Atom, Atomic Number, Mass Number	To Prepare Bohr's Model Of Atom
February	ANNUAL EXAM		

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
BIOLOGY

Month	Topic	Content	Activity
APRIL	Chapter – 5 The fundamental unit of life	- Introduction: What are living organisms made up of? - Structural organization of cell - Plasma membrane osmosis, diffusion permeability. - Types of solutions	- Temporary Mount of onion peel to see plant cells - Activity based on osmosis and diffusion
May	Chapter -5 The fundamental unit of life	- Nucleus and it's parts, prokaryotic vs eukaryotic cell, cytoplasm , cell organelles - Concept of mitosis and meiosis	Plasmolysis and deplasmolysis in onion peel cell
June	Chapter – 6 Tissue	- Instructions: Are plants and animals made of same type of tissues - Plant tissue - Meristematic tissue and it's classification on the basis of origin and position - Simple permanent tissue and complex permanent tissue	Permanent slides of plant tissue – observation
July			

	Chapter -6 Tissue	• Animal tissue and it's types • Epithelial tissue, connective tissue (blood and lymph) • Bones cartilage, adipose tissue • Tendons and ligaments	• To prepare a temporary Mount of human cheeks cells. • Observation of permanent slides of animal tissue, nervous tissue and muscular tissue
August	Revision	• Muscular tissue and nervous tissue • Exercise question and answers	• Questions and answers • Exercise question and answers • Extra questions • (MCQ)
September	HALF YEARLY EXAM		
October and November	Chapter – 12 Improvement in food resources	• Introduction: Improvement in crop yields • Improvement in crop variety • Management of crop production	
December	Chapter – 12 Improvement in food resources	• Nutrient management • Manure and fertilizers • Methods of irrigation • Different patterns of cropping	
January	REVISION		

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
HISTORY

MONTH	TOPICS
APRIL	SEC-01 **Events and processes(All the three themes are compulsory)** **Ch-1 THE FRENCH REVOLUTION** **-**French society during the late eighteenth century -The outbreak society of revolution -French Abolishes Monarchy and becomes a republic -The abolition of slavery -The revolution and everyday life
MAY	**CH-02 SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION** -The age of social change -The Russia revolution -The February revolution in petrogard -what changed after October? The global influence of the Russian revolution and the USSR **ACTIVITY -**Explore the history of socialism through the study of Russian revolution.
JUNE	**CH-2** CONSTRUCTION OF SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION -what changed after October? The global influence of the Russian revolution and the ussr
JULY	**CH-03 NAZISM AND THE RISE OF HITLER** **-**Birth of the Weimar republic -Hitler's Rise to power -Youth in nazi Germany -Ordinary people and the crimes against humanity
AUGUST	**SECTION -2 LIVELIHOODS, ECONOMICS AND SOCIALITIES** **ANY ONE THEME OF THE FOLLOWING:-** **IV .FOREST SOCIETY AND COLONIALISM** **-**Why deforestation? -The rise of commerical forestry -Rebellion in the forest (to be assessed in internal assessment only)

	-Forest transformation in jeva **Chapter wise revision for half-yearly**
SEPTEMBER	**HALF YEARLY EXAMINATION**
OCTOBER	CONTINUATION OF CHAPTER -IV FOREST SOCIETY AND COLONIALISM
NOVEMBER	**CH-05 PASTORALISTS IN THE MODERN WORLD** -Postoral nomads and their movements -Colonial rule and pastoral life -pastoralism in Africa
DECEMBER	**CONTINUATION OF CHAPTER -V AND REVISION**
JANUARY	**REVISION FOR THE FINAL EXAMINATION**
FEBRUARY	**FINAL EXAM**

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
POLITICAL SCIENCE

MONTH	TOPICS
APRIL	**CH-01 WHAT IS DEMOCRACY?** **-why democracy?** **-what is democracy** **-features of democracy** **- Border meaning of democracy?** **-merits and demerits of democracy**
MAY	**Ch-02 CONSTITUTION DESIGN** **-**Democractic constitution in south africa - why do we need a constitution? -Making of the Indian constitution -Guiding values of the Indian constitution
JUNE	**CH-03 ELECTORAL POLITICS** -why elections?

	-what is our system of elections ?
JULY	**CONTINUATION OF CHAPTER -03** **ELECTORAL POLITICS** -What makes elections in India democratic?
AUGUST	**CONTINUATION OF CHAPTER -03** **ELECTORAL POLITICS** ***CHAPTER WISE REVISION FOR HALF -YEARLY**
SEPTEMBER	**HALF -YEARLY EXAMINATION**
OCTOBER	**CH-04 WORKING OF INSTITUTION** -How is the major policy decision taken? -parliament -political executive -judiciary
NOVEMBER	**CH-05 DEMOCRACTIC RIGHTS** **-**Life without rights -Rights in a democracy -Rights in the Indian constitution -expanding the scope of rights **ACTIVITY -Create awareness regarding the process of safeguarding rights.**
DECEMBER	**CONTINUATION OF CHAPTER -0 AND REVISION**
JANUARY	REVISION FOR FINAL EXAMINATION

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
GEOGRAPHY

MONTH	TOPICS
APRIL	**CH-1** INDIA :SIZE AND LOCATION -Location and size -India and the world -India's Neighbour **Activity -**MAP WORK a)Indian political b) Neighbouring countries c)Quiz on facts of India
MAY	**Ch-2** PHYSICAL FEATURES OF INDIA -The Himalayan Mountains The Northern Plains -The Peninsular Plateau **ACTIVITY -** MAP WORK World plate margins ,India relief activity
JUNE	**CH-2** PHYSICAL FEATURES OF INDIA -**Contd)** The Indian Desert -The Coastal Plains and the island
JULY	**Ch-3**.DRAINAGE -Drainage Basin and water divide Drainage system in India -The Himalayan Rivers -The Peninsular Rivers **Activity -**Preparation of charts a) Drainage patterns b) River profile c) Gradation features of river
AUGUST	**Ch-3** DRAINAGE (**Contd)** -Lakes Role of rivers in the economy -River pollution **ACTIVITY -**Project:Ganga Action Plan and conservation of water resources
SEPTEMBER	**REVISION AND HALF YEARLY EXAM**
OCTOBER	**CH-4**. CLIMATE -Introduction of weather and climate Diversity in climate conditions -Climate controls **ACTIVITY -**Preparation of chart showing Major Pressure Belts and wind Belts of the Earth
NOVEMBER	**Ch-4** CLIMATE (**contd)** -Factors Affecting India's Climate (Excluding jet streams and western cyclonic Disturbances) -The Indian Monsoon The Seasons -Distribution of Rainfall Monsoon as as unifying Bond
DECEMBER	**Ch-5** NATURAL VEGETATION AND WILDLIFE (Only map pointing to be evaluated in the annual examination)

	Ch-6 POPULATION -Significance of studying population,the census	
JANUARY	**Ch-6** POPULATION -Distribution of population Factors Determining population change -Sex Ratio,Age Composition, Occupational Structure Literacy, Health Status, Adolescent population National Population Policy **ACTIVITY -**MAP WORK	
FEBRUARY	**ANNUAL EXAMINATION**	

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
ARTIFICIAL INTELLIGENCE

Term 1(June – September)			
Sl No.	Month	PART & UNIT	Session

1	April	Part A
		Unit1-Communication Skills-I
			What is Communication?
			Methods of Communication
			   i)Verbal and Non verbal
			   ii)Visual and Written
			English Language Skills-1
			   i)Parts of Speech
			   ii)Sentence Formation
			   iii)Introducing Onself and Others

2	May	Part A Unit2- Self Management	What is Self Management Knowing Own Strengths and Weaknesses Self-Confidence & Positive Thinking Personal Hygiene & Self Grooming
3	June	Part A- Unit3- ICT Skills-I	ICT and its Impact Basic of a Computer System and a Mobile Device Input, Output, Memory and Storage Devices of a Computer System.
4	July	Part A- Unit3- ICT Skills-I	Basic Computer Operations(Windows OS) Internet and it's Applications Internet Services
5	August	Part B Unit1- Introduction to AI	Introduction to AI AI in daily Lives AI and UN Sustainable development Goals, Skills Required for the Jobs of the future AI Ethics
6	September	**HALF YEARLY EXAM**	

		Term II(October – March)	
7	October	Part A- Unit4- Entrepreneurial Skills Unit5- Green Skills-I	What are Entrepreneurship and Business Types and Fields for Entrepreneurship Entrepreneurship vs. Employment Entrepreneurship Development Process Natural Environment and Us Our Influence on Natural Environment Natural Resource Conservation Green Economy and Green Skills
8	November	Part B Unit2- AI Project Cycle	Introduction to AI Project Cycle. Problem Scoping- Set Goals, Identify Stakeholders, Actions and Ethical Issues, Explore and Understand Data.
9	December	Part B Unit2- AI Project Cycle	Data Acquisition. System Maps for the problem Depiction. Data Visualization Modeling
10	January	Part B Unit3-Neural Network Unit4-Introduction to Python	Introduction to Neural Network. Introduction to Programming Language Introduction to Python Python Basics Introduction to Lists
11	February	Revision	

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-G
Session - 2024-25
INFORMATION TECHNOLOGY

MONTH	CHAPTER/TOPIC	ACTIVITY/PRACTICAL WORK	LEARNING OUTCOMES Learners will be able to :
April	Communication Skills-I Self-Management Skills-I ICT Skills-I	Grammar & Communication Skills Practice. Physically know about the hard-ware components and software application.	Develop the communication skills and self management skills Idea about Hardware & Software application
May	Introduction to IT and ITeS, BPO services BPM industry in India Structure of the IT-BPM industry, Applications of IT in home computing, everyday life, library, workplace, education, entertainment, communication, business, science and engineering, banking, insurance, marketing, health care, IT in the government and public service.	Identify and list the various IT enabled services, Observe the application of IT in various areas. Like - education, entertainment, communication, business, science and engineering, banking, insurance, marketing, health care, IT in the government and public service.	Appreciate the applications and use of IT
June	Keyboarding Skills Types of keys on keyboard, Numeric keypad Home keys, Guide keys Typing and deletingtext Typing ergonomics Positioning of fingers on the keyboard, Allocation of keys to fingers on four different rows Pointing device — Mouse, Mouse operations. Introduction to Rapid Typing Tutor Touch typing technique User interface of Typing Tutor ➢ Typing text and interpret results. ➢ Working with lesson editor. ➢ Calculating typing speed. ➢ Typing rhythm.	● Identify the keys and its use on the keyboard. ● Demonstrate to use various keys on the keyboard. ● Demonstrate to type the text, numbers, special character using appropriate keys on the keyboard ● Identify the user interface of typing tutor. Practice to type text in typing tutor software and interpret the results. Practice to work in lesson editor. Calculate the typing speed Practice to improve typing Using typing tutor software.	Use keyboard and mouse for data entry. Understand the concept of Home keys and typing ergonomics Use typing software.

July	Create a document using a word processor. Apply Editing features Text editing—Undo and Redo Moving and copying text Copy and Paste, Selecting text, Selection criteria, Selecting non-consecutive text items.	List the available word processing applications. Introduce with the parts of the main window. Change document views. Apply various text formatting options for the text. Demonstrate to format paragraphs — indent/align paragraphs, assign font colour, highlighting and background colour. Assign number or bullets to the lists items. Demonstrate to assign colour, border and background to paragraph.	Create a document using a word processor. Apply Editing features. Apply formatting features.
August	Apply formatting features. Page style dialog ➢ Formatting text ➢ Formatting paragraph. ➢ Page formatting ➢ Defining borders and backgrounds ➢ Create and work with table	Demonstrate the following : Enter and edit data in a table, Select a cell, row, column, table. Adjust column width and row height, Assign table borders and background. Demonstrate to insert an image from file, use of gallery, Apply formatting options to image. Demonstrate to move, resize and rotate images. Apply formatting options of Image toolbar. Drawing line, shapes using graphic objects.	Create and work with tables use different print options. Understand and apply mail merge.
September	**Revision & Half Yearly Exam**		
TERM - II			
October	Entrepreneurial Skills-I Green Skills- I	Types of businesses Introduction, Relationship between society and environment, ecosystem and factors, Natural resource conservation, Environment protection and conservation	Understand about qualities of entrepreneur and think as a carrier in entrepreneurship. Discuss on the benefits of green skills.
November	Create spreadsheet format data in the spreadsheet. Understand and apply reference in create and insert different type of charts in a spreadsheet. Apply formula and functions in spreadsheet	Create spreadsheet. Create and Insert charts in a spreadsheet. Apply formula and functions	Create a spreadsheet. Apply formula and functions in spreadsheet. Format data in the spreadsheet. Understand and apply Referencing Create and insert different types of charts in a spreadsheet.
December	Understand features of an effective presentation. Create a presentation work with slides. Format text and apply animations. Create and use tables insert and format image in presentation work with slide master.	Create the slide Masters. Apply the slide masters to the presentation. Add transitions effect to presentation.	Understand features of an effective presentation. Create a presentation work with slides. Format text and apply animations. Create and use tables Insert and format image in

			presentation Work with slide master.
January	Revision of spreadsheet and practicing of sample paper questions.		
February	Revision of presentation and spreadsheet and practicing of sample paper questions.		