## DAV POLICE PUBLIC SCHOOL REWARI SYLLABUS CLASS-VIII

S.N.	SUBJEC	MONTH	CHAPTER NAME	TOPIC COVERED
1	Computer	April	1. Let us Explore- Computer network	Computer Network, Define Network, Need of Communication, Devices Required for networking, Wired network Technology, Wireless network technology, Internet
2		May	2. HTML-1(Introduction)	Website designing, Importance of web browser, Use of text editors, Tags and their types, Need of attributes
3.		June	Summer Vacations	
4.		July	3. List and Tables in HTML	Lists and its types, Ordered and Unordered list, Concept of nested list, Need of Tables , Learn to Insert rows,Headers, Data in tables, learn to Insert rows, Data in tables, Formatting the tables
			4. HTML-III	Need of images in web pages <img/> tag, Attributes of <img/> tag
5.		August	<ol> <li>Identifying Networked Resources and Computers</li> </ol>	Linking in HTML, Types of Linking, Create hyper linking, inserting Audio and Video files, Concept of Domain name and URL, Networking protocols, Difference between MAC and IP address
6.		September	6. Problem Solving	Concept of Algorithm , Program ,Translating real problems into programs, Communicating Ideas, Identifying and define flowcharts, Types of boxes, Need of language to communicate, High level language, Assembler, Interpreter and Compilers
7.		October	7. Programming with QBASIC	Advantages of QBASIC, Character Set, Constants, variables, Operators, IDE, REM, PRINT, LET, INPUT, END, IF-THEN, IF-THEN- Else, Loops, Selection statement
8.		November	8. Looping in Q-Basic and Project handling	Need of loops, Programs involving loops, Project Management life cycle, Making of Project, Virus ,worms, Disk formatting, defragmentation, process of installing Anti-virus on system
9.		December	9. The cyber world, cyber crime and the law	Cyber crime, Cyber bullying, Effects of cyber bullying, Prevention from cyber bullying, Cyber law, Hacker, Cracker, case Studies., Use of network suggestions
10.		January	Revision	
11.		February	Revision	
12.		March	Revision	

1	Social Science	April	1.Resources: Utilisation and Development	Resources, Utilisation of Resources, Classification of Resources, Sustainable Development and Conservation
			8. The Modern Period	Sources of Information,
			16. Our Constitution	Rules and Laws, The Constitution, Need Of Constitution, Vision and Values of Indian Constitution, Basic Features of Our Constitution, Procedures of Amendment of Indian Constitution
			17. Fundamental Rights, Fundamental Duties and Directive Principles of State Policy	Fundamental Rights, Restrictions on Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Significance of Directive Principles of State Policy, Indian Secularism
			18. The Union Government: The Legislature	Government at Different Levels, The Union Legislature, LokSabha, RajyaSabha, Powers and Functions Of Union Parliament
2		May	19.The Union Government: The Executive	The President, Election of the President, Impeachment, Succession to Presidency, Emoluments and Immunities, Powers and Functions of The President, The Vice President Of India, Union Council of Ministers, Functions of the Council Of Ministers, Functions of the Prime Minister
			20. The Union Government: The Judiciary	Independence of Judiciary, Types of Cases, Single Unified and Integrated Judicial System, Supreme Court of India, Powers and Functions of Supreme Court, High Court, Powers and Functions of High Court, Lower Courts, Public Interest Litigation
			21. Social Justice and the Marginalised	Scheduled Castes and Scheduled Tribes, Reservation, Other Backward Classes, Minority Groups
3		June	Summer Vacations	
4		July	22. Safeguarding the Marginalised	Constitutional Provisions, Protecting the Rights of Marginalised, Programmes Launched by the Government for the Upliftment of the Weaker Sections, People's Aspirations and Our National Goals
			2. Natural Resources: Land ,Soil and Water	Land Resources, Land Use, Soil Resources, Soil conservation, Water Resources, Pollution of Water, Water Conservation Methods
5		August	<ul><li>3. Natural Resources: Vegetation and</li><li>Wildlife</li><li>4. Minerals and Energy Resources</li></ul>	Natural Vegetation, Classification of Forests, Advantages of Forests, Wildlife Mineral Resources, Types Of Minerals,
			א. שוווכו מוס מווע בווכוצע הכסטוונכא	Distribution of Minerals, Distribution of

			Minerals in India, Conservation of Minerals, Energy Resources, Conventional Sources of Energy, Non- Conventional Sources of Energy, Conservation of Energy Resources
		5. Agriculture	Importance of Agriculture, Factors affecting Agriculture, Types of Agriculture, Major crops, Agricultural Development
6	September	6. Manufacturing Industries	Importance of Manufacturing Industries, Classification of Industries, Factors Influencing Location of an Industry, Some Major Industries of the World
		7. Human Resources	Distribution of Population, India: Land Man Ratio, Factors affecting Distribution of Population, Growth of Population, Composition of Human Resources
7	October	9.Establishment of Company rule in India	Trading Companies, East India Company, The Carnatic Wars, Conquest Of Bengal, Dual Government in Bengal, Anglo-Mysore Wars, Anglo-Maratha Wars, Anglo-Sikh Wars
		10.Colonialism: Rural an Tribal Societies	Colonial Agrarian Policy and its Impacts, Growth of Commercial Crops, Conditions of Farmers, Revolts by Farmers, Colonialism and Tribal Societies, Tribal Revolts, Effects of Colonialism on Crafts and Industries, Modern Industries in India
		11.The First War Of Independence-1857	Causes of Revolt, Course of the Revolt, Suppression of the Revolt, Causes of the Failure of the Revolt, Result of the Revolt
		12.Impact of British Rule On India	Education under the British, Social Impact, Socio-Religious Reforms, Impact of the Reforms Movements
8	November	13.Colonialism and Urban Change	Urbanisation of Calcutta, Delhi, Railways Under the British, British Impact on Indian Painting, Literature and Architecture
		14.The Nationalist Movement(1870 to 1947)	Formation of Indian National Congress, Partition of Bengal, Formation of Muslim League, Morley-Minto Reforms(1909), Home Rule League, Lucknow Pact of 1916, Arrival of Mahatma Gandhi on the Indian Political Scene, Government of India Act 1919, Rowlatt Act of 1919, JallianwalaBagh Massacre, The Non- Cooperation Movement(1920-22), Simon Commission(1927), Lahore Session(1929), Civil Disobedience Movement(1930-34), Revolutionary Movements for India's Independence, Government of India Act,1935, Quit India Movement(1942), Subhash Chandra Bose, Towards Independence
		15.India Marches Ahead	The Indian Independence Act,1947, Indian Constitution, India-On the Path of

				Progress, Indian Democracy, India's Foreign Relations, Indian Society, Challenges to Indian Democracy ,India's Vision
9		December	Revision	
10		January	Revision	
11		February	Revision	
12		March	Revision	
1	संस्कृ त	अप्रैल	सुवचनानन - व्याकरण उपसर्ग अव्यय	श्लोक वाचन, अन्वय, व्याख्या ,शब्दार्ग
2		मई	वसुधैव कु टुुंबकम व्याकरण-क्त्वा,ल्यप्, प्रत्यय	पाठ पढाना शब्दार्ग सुनना न5ुंदी पढाना प्रश्नउत्तर प्रत्यय के उदा5रण पूछना
		मई	अ5म् नदी अस्मि व्याकरण- क्त्रींग, कम्मा, करण कारक	कारक रचना अनुवाद करवाना न5ुंदी करवाना शब्दार्ग सुनना
3		जून	मीं की छुट्टी	
4		जुलाई	क्षमस्व म5र्षे। व्याकरण धार्ु रू प ,शर्त प्रत्यय	पाठ पढाना शब्दार्ग सुनना दादू सुनना प्रत्यय के ननयम बर्ाना
5		अर्स्त	नदव्या र्ीवागण भारर्ी व्याकरण- सुंख्या, शब्द रू प	ग्रंर्ोुं के बारे में पूछना, प्रश्नननमाण, शब्दार्ग, प्रश्न उत्तर
6		नसर्ुं बर	मधुरानण वचनानन। व्याकरण -र्ुण सुंनध, दीर्ग सुंनध ,पत्र ,नच्त्रवणान ,अपनठर् र्द्ाुंश	सुंनध समझाना, प्त्रनलखवाना, वाक्य बनवाना
7		अक्टू बर	सफलम् र्स्य जीनवर्म् व्याकरण- यण सुंनध वतस्मि सुंनध	भावार्ग ,व्याख्या ,श्लोक वचन ,सुंनध समझाना
		अक्टू बर	क्रोधेन कायगम् न नसध्यनर् व्याकरण-क्तवर्ु प्रत्यय	पाठ पढाना, न5ुंदी सुनना ,शब्दार्ग सुनना, प्रश्न ननमागण
8		नवुंबर	अनक्श्वस्तेन न नक्श्वसेर् व्याकरण अव्ययपदानी र्ुमुन् प्रत्यय	सुंवाद करवाना ,पाठ पढाना, प्रत्यय के ननयम बर्ाना
		नवुंबर	र्णाः पूजास्ानम् व्याकरण सुंख्या, पत्र	नर्नर्ी व प्त्रनलखवाना, शब्दार्ग सुनना न5ुंदी पढाना, प्रश्नउत्तरकरवाना प्रश्नन्तमागण करवाना
9		नदसुंबर	न5र्म् मनो5ारी च दुलगभम् वच: व्याकरण नच्चवणगनम्, धार्ु रू प प्रयोर्	नम्व्रदेखकर वाक्य बनाना, धार्ु याद करवाना ,पाठ पढाना ,अभ्यास करवाना
		नदसुंबर	स्वाध्यायार्् मा प्रमदः व्याकरण कारक अनुवाद, नव्ववणगन, पत्र,अपनठर् र्द्ाुंश	पाठ पढाना, न5ुंदी करवाना, शब्दार्ग सुनना, प्रश्न उत्तरकरवाना प्रश्नन्नमागणकरवाना, अनुवाद करवाना ,पत्रनलखवाना ,र्द्ाुंश करवाना
10		जनवरी	ररवीजन	
11		फरवरी	ररवीजन	
12		माच्या	फाइनल एग्जाम	

1.	Math	April	1. Square and Square Roots	Square of a number
			2. Cubes and Cube Roots	<ul> <li>triangular numbers and numbers between two consecutive square numbers</li> <li>finding square root of a number by the repeated subtraction method,</li> <li>Finding square roots of perfect squares by factorization.</li> <li>Using division method, finding square roots of-         <ul> <li>(i)Positive integers which are perfect squares.</li> <li>(ii)Decimals which are perfect squares.</li> </ul> </li> <li>Finding square roots of numbers which are not perfect squares by the division method up to three decimal places.</li> <li>Problems based on square roots (simple problems only). Square roots of other Numbers (not perfect squares) by estimation.</li> <li>Cube of a number, Cube roots of perfect cubes by factorization</li> </ul>
				<ul> <li>Cube Root of a Number through Estimation.</li> </ul>
2.		May	3.Exponents and Radicals	Idea of rational exponents
				<ul> <li>Laws of exponents including rational numbers as exponents</li> <li>Idea of radicals and radicand</li> </ul>
3.		June	Summer Vacations	
4.		July	4. Direct and Inverse Variations	<ul> <li>Direct variation and Inverse variation with examples.</li> <li>Problems on Time and Work Time and Distance.</li> </ul>
			5. Profit and Loss and Discount	<ul> <li>✓</li> <li>Problems on profit and loss including discount</li> <li>Marked price, selling price</li> <li>G.S.T.(Goods and Services Tax)</li> </ul>
5.		August	6.Compound Interest	<ul> <li>Meaning of Compound Interest.</li> <li>Calculation of amount and compound interest by unitary method.</li> <li>Calculation of amount and compound interest by formula up to three years.</li> <li>Interest compounded annually, half yearly or quarterly up to three</li> </ul>

		7.Algebraic Identities	<ul> <li>Conversion Periods, Growth and Depreciation.</li> <li>✓</li> <li>Study of the following identities : <ul> <li>(a + b)<sup>2</sup> = a<sup>2</sup> + 2ab + b<sup>2</sup></li> <li>(a - b)<sup>2</sup> = a<sup>2</sup> - 2ab + b<sup>2</sup></li> <li>(a + b) (a - b) = a<sup>2</sup> - b<sup>2</sup></li> </ul> </li> <li>Expansion of the square of a trinomial <ul> <li>(a + b + c)<sup>2</sup> = a<sup>2</sup> + b<sup>2</sup> + c<sup>2</sup> + 2ab + 2bc + 2ca</li> </ul> </li> <li>Product of two binomials : <ul> <li>(x + a) (x + b) = x<sup>2</sup> + (a + b) x + ab</li> </ul> </li> <li>Factorisation of Algebraic Expressions based on above identities.</li> </ul>
6.	September	8.Polynomials	<ul> <li>Idea of a polynomial in one variable and its terms, coefficients and degree after converting it to standard form</li> <li>Division of a monomial by a monomial.</li> <li>Division of a polynomial in one variable by a monomial or binomial. (Restricted to polynomials in one variable of degree '4').</li> <li>Division of a polynomial by a linear polynomial by factor method.</li> <li>Verification of Dividend = Divisor × Quotient + Remainder.</li> <li>Concept of factors of a polynomial when the remainder is zero.</li> </ul>
7.	October	9. Linear Equations in One Variable 10. Parallel Lines	<ul> <li>Solving equations of the type ax+d cx+d cx+d Cross Multiplication Method         ✓         <ul> <li>Applications of Linear Equations</li> <li>Definition, Angles made by a transversal with two parallel lines &amp; their properties.</li> <li>Verification of the following properties             <ul> <li>Yerification of the following properties</li> <li>Two lines parallel to the same line are parallel to the same line are parallel to the same line are parallel to each other.</li> <li>Division of a Line Segment :</li> <li>To divide a line segment</li> </ul> </li> </ul></li></ul>

8.	November	11. Understanding Quadrilaterals	<ul> <li>into a given number of equal segments.</li> <li>➤ To divide a line segment in a given ratio internally</li> <li>Introduction to curves. Polygons and its types and properties.</li> </ul>
			<ul> <li>Quadrilaterals and its special types (trapezium, parallelogram rectangle, rhombus &amp; square).</li> <li>Properties of special type of quadrilaterals.</li> <li>Verification of the following properties:         <ul> <li>Opposite sides of a parallelogram are equal.</li> <li>Opposite angles of a parallelogram are equal.</li> <li>Diagonals of a parallelogram bisect each other.</li> <li>Diagonals of a rectangle are equal and bisect each other.</li> <li>Diagonals of a rhombus bisect each other at right</li> </ul> </li> </ul>
		12.Construction of Quadrilaterals	angles. ➤ Diagonals of a square are equal, perpendicular to each other and bisect each other. ✓ • Construction of a quadrilateral
		13.Introduction to Graphs	<ul> <li>given-</li> <li>Four sides and one diagonal</li> <li>Three sides and both diagonals</li> <li>Two adjacent sides and three angles</li> <li>Three sides and two included angles</li> <li>✓</li> <li>Cartesian plane. Plotting a point on the Cartesian plane.</li> <li>Independent and dependent variables</li> <li>Drawing of graphs and type of figure.</li> </ul>
9.	December	14. Mensuration	<ul> <li>Area of trapezium, general quadrilateral and polygon.</li> <li>Surface area of cuboid, cube and right circular cylinder.</li> <li>Volume of cuboid, cube and right</li> </ul>

			15. Statistics & Probability 16. Rotational Symmetry	<ul> <li>circular cylinder.</li> <li>Visualising solid shapes, Polyhedron.</li> <li>Mapping space around us</li> <li>Raw data, frequency, making frequency table from the given raw data.</li> <li>Ungrouped and grouped data. Range, class size, class limits, class marks.</li> <li>Grouping the given data into classes.</li> <li>Drawing, reading and interpretation of histogram.</li> <li>Circle graphs or pie chart and its drawing.</li> <li>Probability, Chance, Experiment, Outcome, Event, Probability of an event. Simple cases</li> <li>Rotational symmetry and its order</li> <li>Centre of Rotation.</li> <li>Line symmetry and Rotational Symmetry.</li> <li>Rotational symmetry should be limited to polygons and regular polygons in case number of sides</li> </ul>
10				is more than 4.
10		January	Revision	
11		February March	Revision Revision	
12		WIdfCfi	Revision	
1	G.K.	April	Language & Literature	In the name of god, Terrific two, Word pyramid, Values are invaluable, Work is work ship, Gender guess, Global language, Emotion & Expression, Food for Thought, Tangible talk, Wardrobe Vocabulary, Know your ABC, Praising Poetry, Dramatic Style, Fact file, Test your wisdom
2		Мау	Environment Around	Heal with herbs, Energy capsule, Chemistry mystery, Treatment technologies, Major Endocrine glands, Spectrum of therapies, Miracles of light, Great scientists, Close encounter with planets, Plant diseases, Hydro puzzle, Important invention, Vital Vitamins, Surrounded by sounds, Fact file, Test your wisdom
3		June	Summer vacation	
4		July	World Around	Fast fingers, River forever, Stamp it out, Facts and dates, Climb every mountain,

				Name game, All at sea, Great Desert,
				Windy section, Tug of war, The great
				reformer, Indian revolutionaries, Coinage,
				Indian polity Fact file, Test your wisdom
5		August	Art & Culture	Festive fun, Art gallery, Fab art,
				Performing art, Costumes, Pilgramage in
				india, Music corner, Dance of your world,
				Yester years of silver screen, Royal
				palaces, Road to god, Myths and legends,
				God of mythology, Museums and art
				galleries of the world, Facts and file, Test
				your wisdom
6		September	Math Magic	Delightful dots, Rack your brains, Fun with
				numbers, Speaking signs, Whats next,
				Naughty numbers, Activity time, Booster
				blocks, Brain twisters, Mathematical term,
				Non verbal reasoning, Know your
				mathematics, Commercial maths, Blood
				relationship test, fact file, Test your
			-	wisdom
7		October	Sports & Game	Baseball, The zest for judo, Turn the
				tables, Wrestlo mania, A buddy game
				kabaddi, The naming game, Bravo boxing,
				Smashing shots, The test of strength ,An
				accurate aim, On your mark , get set,go!,
				Indian Ancient games, Water sports, Fact
				file, Test your wisdom
8		November	Revision	
9		December	Revision	
10		January	Revision	
11		,		
11		February	Revision	
11		February March	Revision Revision	
	Science	March		1.The cell- it's structure and functions:-Cell
12	Science		Revision	
12	Science	March	Revision	as a basic unit of life; prokaryotic and
12	Science	March	Revision	as a basic unit of life; prokaryotic and eukaryotic cells,
12	Science	March	Revision	as a basic unit of life; prokaryotic and eukaryotic cells, - multicellular organisms;
12	Science	March	Revision	as a basic unit of life; prokaryotic and eukaryotic cells, - multicellular organisms; - cell membrane and cell wall,
12	Science	March	Revision	as a basic unit of life; prokaryotic and eukaryotic cells, - multicellular organisms; - cell membrane and cell wall, -cell organelles and cell inclusions;
12	Science	March	Revision	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,
12	Science	March	Revision	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;
12	Science	March	Revision	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,
12	Science	March	Revision	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;
12	Science	March	Revision	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,
12	Science	March	Revision 1. The cell- it's structure and functions	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.
12	Science	March	Revision	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.
12	Science	March	Revision 1. The cell- it's structure and functions	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. -Structure of plant cell and animal cell.
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> <li>2. Microorganisms: friends or foes:</li> </ul>
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> </ul> 2. Microorganisms: friends or foes: <ul> <li>-Introduction</li> <li>Types of microorganisms</li> </ul>
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> <li>Microorganisms: friends or foes:</li> <li>Introduction</li> <li>Types of microorganisms</li> <li>Diagram of Paramecium and Euglena</li> </ul>
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> </ul> 2. Microorganisms: friends or foes: <ul> <li>Introduction</li> <li>Types of microorganisms</li> <li>Diagram of Paramecium and Euglena</li> <li>Viruses are unique</li> </ul>
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> <li>2. Microorganisms: friends or foes:</li> <li>-Introduction</li> <li>Types of microorganisms</li> <li>Diagram of Paramecium and Euglena</li> <li>Viruses are unique</li> <li>Where do microorganisms live?</li> </ul>
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> <li>2. Microorganisms: friends or foes:</li> <li>-Introduction</li> <li>Types of microorganisms</li> <li>Diagram of Paramecium and Euglena</li> <li>Viruses are unique</li> <li>Where do microorganisms live?</li> <li>Role of microorganism in our life</li> </ul>
12	Science	March	Revision 1. The cell- it's structure and functions	<ul> <li>as a basic unit of life; prokaryotic and eukaryotic cells,</li> <li>multicellular organisms;</li> <li>cell membrane and cell wall,</li> <li>cell organelles and cell inclusions;</li> <li>chloroplast, mitochondria, vacuoles,</li> <li>endoplasmic reticulum, Golgi apparatus;</li> <li>nucleus, chromosomes - basic structure,</li> <li>number.</li> <li>Structure of plant cell and animal cell.</li> <li>2. Microorganisms: friends or foes:</li> <li>-Introduction</li> <li>Types of microorganisms</li> <li>Diagram of Paramecium and Euglena</li> <li>Viruses are unique</li> <li>Where do microorganisms live?</li> </ul>

				Food paisonin-
				– Food poisoning
				– Food preservation
			4. Force and pressure	4. Force and pressure
				-Force
				– Effects of force
				–Factors associated with magnitude of
				force needed
				– Balanced and unbalanced forces
				– Types of forces
				<ul> <li>Contact and non contact forces</li> </ul>
				– Pressure
				–Applications of the concept of pressure
				in daily life
				– Liquid pressure
				– Properties of liquid pressure
				– Atmospheric pressure
				<ul> <li>Variation in air pressure</li> </ul>
				-Importance of atmospheric pressure
				<ul> <li>Force and pressure : concept map</li> </ul>
2.		Μον	3.Metals and non metals	3.Metals and non metals:
Ζ.		Мау		
				-Classification of elements
				<ul> <li>Occurrence of elements</li> </ul>
				<ul> <li>Minerals and ores</li> </ul>
				<ul> <li>Physical Properties</li> </ul>
				– Chemical Properties
				–Reaction with oxygen, water, acids and
				alkalies
				- Reactivity of metals
				<ul> <li>Displacement reactions</li> </ul>
				– Noble Metals
				<ul> <li>Uses of metals and non-metals</li> </ul>
				5. Friction:
			5. Friction	– Concept of friction
				– Cause of friction
				– Factors affecting friction
				-
				- Types of friction-static, sliding & rolling
				- Friction - A necessity
				- Friction - An evil or nuisance
				<ul> <li>Increasing / Reducing friction</li> </ul>
				– Fluid friction
				6. Sources of energy
				-Classification of sources of energy : On
			C. Courses of an array	the basis of
			6. Sources of energy	
				occurrence, physical state and availability
				– Fossil Fuels
				– Wood as a fuel
				– Coal : occurrence, formation and types
				– Destructive Distillation and Its Products
				– Uses of coke, coal-tar and coal gas
				– Petroleum

			<ul> <li>Occurrence of petroleum</li> <li>Refining of petroleum</li> <li>Petroleum products and their uses</li> <li>Natural gas</li> <li>Uses of natural gas</li> <li>Cleaner Fuels</li> </ul>
3.	June	Summer vacation	
4.	July	7. Combustion	<ul> <li>7. Combustion</li> <li>Combustion &amp; combustible material</li> <li>Conditions required for combustion</li> <li>Types of combustion</li> <li>Fire control</li> <li>Incomplete combustion</li> <li>Flame</li> <li>Fuel and calorific value</li> <li>Characteristics of a good fuel</li> <li>Harmful effects of fuels</li> </ul>
		8. Conservation of plants and animals	<ul> <li>8. Conservation of plants and animals <ul> <li>Domestic consequences of deforestation</li> <li>Global consequences of deforestation</li> <li>Conservation of forests and wildlife</li> <li>Biosphere reserves</li> <li>(Map of biodiversity hotspots not to be evaluated)</li> <li>National Parks</li> <li>Wildlife Sanctuaries</li> <li>Flora and fauna</li> <li>Endemic species</li> <li>Red Data Book</li> <li>Migration</li> <li>Reforestation</li> <li>Recycling of paper</li> </ul></li></ul>
		9. Crop production and it's Management	<ul> <li>9. Crop production and it's Management <ul> <li>Food from plants</li> <li>Agricultural Practices</li> <li>Preparation of Soil, Sowing, Soil</li> <li>Replenishment,</li> <li>Irrigation, Traditional System of Irrigation,</li> <li>Modern</li> <li>System of Irrigation, Crop Protection,</li> <li>Harvesting,</li> <li>Storage.</li> <li>Crop Improvement</li> </ul></li></ul>
5.	August	10. Refraction and dispersion of light	<ul> <li>10. Refraction and dispersion of light <ul> <li>Refraction of Light</li> <li>Refraction—its cause</li> <li>Refractive index, optical density</li> <li>Rules for refraction</li> <li>Refraction of light by a glass slab</li> <li>Dispersion of white light by a glass prism</li> </ul> </li> </ul>

			– Rainbow – Spherical lenses
			– Basic terms related to lenses
			–Image formation by convex and concave
			lenses – Application of lenses
			Application of lenses
		11. The human eye	11. The human eye
			– Structure of human eye (6 periods)
			–Function of various parts of the human
			eye – The blind spot
			– How do we see colours?
			– Working of the human eye
			– Range of vision
			<ul> <li>Defects of vision</li> <li>Care of the Eyes</li> </ul>
			-Visually challenged persons—help for
			them
			– Braille system
<u> </u>	Contourt	12 Supthetic fibres and plastic	12 Superbotic fibres and place
6.	September	13. Synthetic fibres and plastic	<ul><li>13. Synthetic fibres and plastic</li><li>– Natural fibres and synthetic fibres</li></ul>
			–(Rayon) or Artificial Silk, Nylon, Terylene,
			Poly Ethene
			Tetraphthalate, (PET) and Acrylic fibres
			<ul> <li>Advantages and disadvantages of synthetic fibres</li> </ul>
			– Plastics
			<ul> <li>Characteristics of synthetic plastics</li> </ul>
			– Types of synthetic plastics
			<ul> <li>Thermosetting</li> <li>Thermoplastics</li> </ul>
			– Plastics and the Environment
			<ul> <li>Damage caused by plastic waste</li> </ul>
			–Measures to control the damage caused
			by plastic waste
			waste
			12. Sound
			– Sound and vibrations (6 periods)
		12. Sound	- Sounds produced by humans
			<ul> <li>Sounds produced by animals</li> <li>Propagation of sound</li> </ul>
			<ul> <li>Light propagates faster than sound</li> </ul>
			-Amplitude, time period and frequency of
			a vibration
			<ul> <li>Loudness and pitch of a sound</li> <li>Audible and inaudible sounds</li> </ul>
			– Noise and music
			<ul> <li>Noise pollution : sources and effects</li> </ul>
			- Measures to limit noise pollution
			– Hearing impairment.
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7.		October	<ul> <li>14. Reproduction in animals</li> <li>15. Reaching at the age of adolescence.</li> </ul>	<ul> <li>14. Reproduction in animals <ul> <li>Definition of reproduction</li> <li>Asexual reproduction</li> <li>Sexual reproduction</li> <li>Reproductive patterns</li> <li>Reproductive systems</li> <li>Fertilization, development of the</li> <li>embryo</li> <li>How do hens lay eggs ?</li> <li>Viviparous and Oviparous animals</li> <li>Journey of young ones to adults (frogs)</li> <li>Diagrams of binary fission in Amoeba, multiple fission</li> <li>in Plasmodium, budding in Hydra and Yeast, male and Female reproductive systems and human sperm.</li> </ul> </li> <li>15. Reaching at the age of adolescence. <ul> <li>Adolescence and Puberty</li> <li>Changes at puberty</li> <li>Sexual development : Development of sex organs, development of secondary sexual characters, change</li> <li>in hormonal balance the reproductive phase in human beings</li> <li>Determination of sex of the child</li> <li>The Endocrine system</li> <li>Role of hormones in completing the life cycle of insects and frogs</li> <li>Reproductive health: Nutritional needs of adolescents, Personal hygiene, Physical exercise, Say</li> </ul></li></ul>
			16. Electric current and its Chemical effects	'No to Drugs'. 16. Electric current and its Chemical effects – Conductors and Insulators – Conduction through liquids – Cause of conductivity of liquids – Electrolytes –Conversion of chemical energy into electrical energy –Chemical effects of electric currents, their applications – Faraday's discovery – Electromagnetic induction
8.		November	17. Stars and solar system	17. Stars and solar system – Galaxy—Milky way galaxy – Stars – Constellations

				- The moon-phases of the moon the
				<ul> <li>The moon—phases of the moon, the moon's surface</li> </ul>
				– The solar system
				– Sun
				– Planets
				– Terrestrial and Jovian planets
				– Minor bodies in the solar system
				<ul> <li>Artificial satellites and their applications</li> </ul>
			19. Pollution of air	19. Pollution of air
				– Pollution
				– Air pollution; Causes of air pollution;
				–Harmful effects of carbon monoxide,
				nitrogen dioxide
				smog, chlorofluorocarbons (CFCs)
				<ul> <li>Acid rain and its harmful effects</li> </ul>
				– Green House Effect and Global Warming
				-Causes of increase in concentration of
				green house
				gases
				<ul> <li>Consequences of green house effect</li> </ul>
				<ul> <li>– Global warming and its consequences</li> </ul>
				<ul> <li>Measures to check global warming</li> </ul>
				– Methods to control air pollution
				20. Pollution of water
				– Water pollution
				<ul> <li>Causes of water pollution</li> </ul>
				– Potable water
			20. Pollution of water	– Purification of drinking water
				- Methods to make water safe for drinking
				-Treatment of major sources of water
				pollution
				<ul> <li>Treatment of sewage</li> <li>Treatment of industrial waste</li> </ul>
				<ul> <li>– Treatment of industrial waste</li> <li>– Conservation of water</li> </ul>
9.		December	18. Earthquakes	18. Earthquakes
				<ul> <li>Earthquakes and their effects</li> </ul>
				<ul> <li>Cause of an earthquake</li> </ul>
				– The Focus
				– Predicting an earthquake
				- Measuring an earthquake
				<ul> <li>Protection against earthquakes; safety precautions</li> </ul>
10.		January	Revision	
11.		February	Revision	
12.		March	Revision and final exam.	
1.	English		Chapter-1 : Three Questions	Explanation of the chapter ,keywords ,
	literature	April	Chapter- 2 : Granny's tree climbing	question answer,, life skill, highly order
				thinking, value based question answer,

				avaraise of the heal
	Practice book		Chapter -1 : Tenses	exercise of the book . Definition of verb ,its types and exercise of the chapter.
2.	English literature	Мау	Chapter- 3 : The Fun They Had	Explanation of the chapter ,keywords , question answer, highly order thinking , value based question answer, exercise of
	Reader book		Unit-1: Changing Times	the book . Definition of direct speech & indirect speech ,its rules and worksheet of the
	Practice book		Chapter -2 : Narration	chapter.
3.		June	Summer vacation	
4.	English literature Reader book	July	Chapter- 4 : Father's Help Unit -2: Compassionate Souls	Explanation of the chapter ,keywords, question answer, life skill , highly order thinking , value based question answer, exercise of the book Definition of subject –verb agreement & Modals ,its types and worksheet of the
	Practice book		Chapter- 3 : Modals Chapter-4 : Subject –Verb agreement	chapter
5	English literature	August	Chapter- 5 : My Mother Chapter-6 : The Luncheon	Explanation of the chapter ,keywords, question answer,, life skill, highly order thinking , value based question answer,
	Reader book		Unit-3 : Enterprises	exercise of the book . Definition of clauses & linkers ,its types and worksheet of the chapter
	Practice book		Chapter- 5 : Clauses and Complex sentences	
6	English	September	Chapter-6: Linkers Chapter-7: The Children's song	Explanation of the chapter , keywords,
б	literature Reader book	September	Unit-4 : Nature	question answer, life skill, highly order thinking & value based question answer, exercise of the book . Definition of voice & Non -finite ,its rules and worksheet of the chapter.
	Practice book		Chapter- 7 : Active Passive Voice Chapter-8 : Non- finites	
7	English literature	October	Chapter -8 : The case of sharp- Eyed Jeweller	Explanation of the chapter , keywords, question answer, life skill, highly order thinking & value based question answer,
	Reader book		Unit – 5 : Sports	exercise of the book. About punctuation ,its rules and worksheet of the chapter.
	Practice book		Chapter 9: Punctuation	

8	English literature Reader	November	Chapter – 9 : Couplets Chapter- 10 : The Undeserved Reward	Explanation of the chapter, question answer, keywords, life skill, highly order thinking & value based question answer, exercise of the book, unseen passages.
	book		Unit-6 : Tolerance	exercise of the book, unseen passages.
	Practice book		Chapter -10 : Reading for understanding Chapter-11 :Getting ready for class IX	
9	English literature	December	Chapter-11: Bangle Sellers Chapter-12: A Bad Dream	Explanation of the chapter , question answer, keywords , life skill, highly order thinking & value based question answer,
	Reader book		Revision	exercise of the book .
	Practice book		Revision	
10		January	Revision	
11		February	Revision	
12		March	Revision and final exam.	
1	नैतिक तिक्षा	अप्रैल	1 ओंग्रं ार ध्वज 2 ईश्वर का सर्वश्रेष्ठ नाम 3आत्मबोध	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
2		मई	4 गीिा के 2 श्लोक 5 गायत्री जप का प्रभार्	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
3		जून	ग्रीष्मकालीन अर्काे	
4		जुलाई	6 संस्कृ ि भाषा ७ रष्ट्रभाषा तऽंदी	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
5		अगस्त	8 पंच म5ायज्ञ 9 डीएर्ी गान 10योग की प5ली सीढी	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
6		तसिंबर	11 योग की दू सरी सीढी 12 र्रव व्यर्स्ा का स्वरूप 13 आश्रम व्यर्स्ा	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
7		अक्टू बर	14 तकस दर जाऊं 15 आयव समाज के तनयम 16 सत्यार्व प्रकाि	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
8		नर्ंबर	17 डीएर्ी संस्ाएं 18न्यायमूतिव डॉ मे5र चंद म5ाजन	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर
9		तदसंबर	19 रष्ट्ररीय गीि	पाठ र्ाचन, िब्दार्व,प्रश्नोत्तर

			20 तनत्य कमव के मंत्र	
10		जनर्री	दो5राई	
11		फरर्री	दो5राई	
12		माच्व	दो5राई	
1	त5ंदी	अप्रैल	1 5म पंछी उन्मुक्त गगन के	िब्दार्व, प्रश्नोत्तर,स5ी/ गलि, तिया भेद, ित्सम, िद्भर्, तर्राम तक्ह,उपसगव, प्रत्यय
2		मई	2 असल धन 3 अच्छे पडोसी के गुर्	िब्दार्व, प्रश्नोत्तर,स5ी/ गलि , तिया भेद, ित्सम, िद्धर्, तर्राम तक्ह,उपसगव, प्रत्यय
3		जून	ग्रीष्मकालीन अर्काे	
4		जुलाई	4 दोप5री 5 आकाि की 7 सीतढयां 6 आश्रम के अतितर् और संस्मरर् 7 अन्याय के खिलाफ लडाई	िब्दार्व, प्रश्नोत्तर,स5ी/ गलि, तिया भेद, ित्सम, िद्धर्, तर्राम तचन्ह,उपसगव, प्रत्यय
5		अगस्त	8 दो5े 9 जब भोलाराम ने पंप लगाया 10 बािचीि की कला	िब्दार्व, प्रश्नोत्तर,स5ी/ गलि , तिया भेद, ित्सम, िद्धर्, तर्राम तचन्ह,उपसगव, प्रत्यय
6		तसिंबर	11 िारे से आगे 12 पौधे के पंि 13 सूर और िुलसी के पद	िब्दार्व, प्रश्नोत्तरस5ी/ गलि, तिया भेद, ित्सम, िद्भर्, तर्राम तक्ह,उपसगव, प्रत्यय
7		अक्टू बर	14 बहू की तर्दा 15 कामचोर 16 एक तिनका सोना	िब्दार्व, प्रश्नोत्तर,स5ी/ गलि, तिया भेद, ित्सम, िद्धर्, तर्राम तचन्ह,उपसगव, प्रत्यय
8		नर्ंबर	17 दु ि में 5ार ना मानो 18 जीर्न का सच 19 ईर्ष्ाव िून गई मेरे मन से	िब्दार्व, प्रश्नोत्तरस5ी/ गलि, तिया भेद, ित्सम, िद्भर्, तर्राम तचन्ह,उपसगव, प्रत्यय
9		तदसंबर	दो5राई	
10		जनर्री	दोऽराई	
11		फरर्री	दो5राई	
12		माच्व	दो5राई	