



VISHWA BHARATI PUBLIC SCHOOL, GR. NOIDA

SYLLABUS BREAKUP 2024-25

CLASS-VII

ENGLISH

Prescribed books-1. Honeycomb (NCERT)

2. An Alien Hand (NCERT)(Supplementary)

3. Essentials of English Grammar and Composition (latest ed.)

S.NO	MONTH	LITERATURE	ESSENTIALS OF ENGLISH GRAMMAR & COMPOSITION	WRITING SKILLS
1.	April	Ch-1 Three Questions Poem -The Squirrel Supplementary - The TinyTeacher	Ch - 1 The Sentences Ch - 2 Nouns	<ul style="list-style-type: none"> ● Notice Writing ● Application
2	May	Ch-2 A Gift of Chappals Poem - The Rebel Supplementary - Bringing Up Kari	Ch-3 Adjectives Ch- 4 Articles Ch- 5 Pronouns	Diary Entry
3	July	Ch-3 Gopal and the Hilsa Fish, Poem - The Shed Supplementary-Golu Grows a Nose	Ch - 18 Clauses- Main and Subordinate, Adjectival, Adverbial Clause	Informal letter

4	August	Ch-4 The Ashes That Made Trees Bloom Poem - Chivvy Supplementary - I want something in a Cage	CH - 7 VERBS : EXPRESSING THE PRESENT Ch -8:- VERBS : EXPRESSING THE PAST Ch -9:- VERBS : EXPRESSING THE FUTURE	Dialogue Completion
5	September	Revision	Revision	Revision
6	October	Ch-5 Quality Poem - Trees Supplementary - Chandni	Ch - 11 Finite and Nonfinites, Fixed Expressions	Newspaper report
7	November	Ch-6 Expert Detectives Poem - Mystery of the Talking Fan Supplementary - The Bear Story	Ch - 19 Simple, Complex and Compound Sentences	Notice writing
8	December	Ch-The Invention of Vita-Wonk Poem - Dad and the Cat and the Tree Supplementary - A Tiger in the House	Ch - 12 Active and Passive voice, Ch - 16 Reported speech	Message Writing
9	January	Ch - A Homage to our Brave Soldiers Poem - Meadow Surprise Supplementary - An Alien Hand	Ch -16 Reported Speech(contd...)	Short story writing

10	February	Revision	Revision	Revision
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Subject-Hindi

पाठ्यपुस्तक -वसंत -2 , व्याकरण निपुण , बाल महाभारत

मास	वसंत भाग -2		रचनात्मक कार्य	गतिविधियाँ
अप्रैल	पाठ 1 हम पंछी उन्मुक्त , पाठ 2 हिमालय की बेटियाँ बाल महाभारत –	भाषा,बोली , लिपि और व्याकरण ,वर्ण विचार और उच्चारण ,शब्द विचार , पर्यायवाची शब्द , विलोम शब्द ,	अनुच्छेद लेखन अपठित गद्यांश	कविता वाचन
मई	पाठ 3 कठपुतली पाठ 4 मिठाईवाला बाल महाभारत –	अनेक शब्दों के लिए एक शब्द, संज्ञा ,वर्तनी विचार	अनौपचारिक पत्र , विज्ञापन लेखन	कठपुतली निर्माण

जुलाई	पाठ 5 पापा खो गए पाठ 6 शाम एक किसान बाल महाभारत –	सर्वनाम ,लिंग , वचन ,उपसर्ग ,प्रत्यय , संधि	संवाद लेखन ,चित्र वर्णन	फ्लैश कार्ड निर्माण
अगस्त	पाठ 8 रहीम के दोहे बाल महाभारत –	विशेषण ,क्रिया , काल मुहावरे	औपचारिक पत्र, सूचना लेखन	दोहा गायन
सितंबर	पुनरावृत्ति		-	-
अक्टूबर	पाठ 9 एक तिनका पाठ 10 खानपान की बदलती बाल महाभारत –	श्रुतिसमभिन्नार्थक शब्द , ,अनेकार्थक शब्द ,कारक ,	अपठित गद्यांश , सूचना लेखन	विज्ञापन लेखन

नवंबर	पाठ 11 नीलकंठ पाठ 12 भोर और बरखा बाल महाभारत –	अविकारी शब्द , वाक्य विचार	अनुच्छेद लेखन संवाद लेखन	कहानी वाचन
दिसंबर	पाठ 13 वीर कुँवर सिंह पाठ 14 संघर्ष के करण मैं तुनुकमिजाज हो गया :धनराज बाल महाभारत –	विराम चिह्न , वर्ण विच्छेद	ई मेल लेखन	मुहावरों के चित्र सहित वाक्य प्रयोग
जनवरी		पुनरावृत्ती कार्य	पत्र लेखन	

Subject –Mathematics:

Prescribed book-NCERT MATH and Mathematics example problems

MONTH	CHAPTER	TOPICS	ACTIVITIES
April	Ch-1 Integers	<ul style="list-style-type: none">• Addition, Subtraction, Multiplication and division of integers• Properties of integers• Word problems	Activity shows relation between natural numbers, whole numbers and integers
	Ch-2 Fractions and Decimals	<ul style="list-style-type: none">• Proper, improper and mixed fractions• Addition, subtraction, multiplication and division of fractions and decimals	
May	Ch-8 Rational numbers	<ul style="list-style-type: none">• Definition of rational number with examples• Operations on rational numbers• Word problems based on rational numbers	To collect, organise and represent a data graphically
	Ch-3 Data handling	<ul style="list-style-type: none">• Collection, Organisation and Representation of data• Frequency, bar graph• Finding mean, median and mode	

July	<p>Ch-4 Simple Equations</p> <p>Ch-11 Exponents and Powers</p>	<ul style="list-style-type: none"> • Setting up of an equation • Solving an equation • Application of simple equation to practical situations • Laws of exponents and scientific notation • Expressing large numbers in the standard form 	<p>Fun-based activity- Students will ask number puzzles based on linear equation</p>
August	Ch-5 Lines and angles	<ul style="list-style-type: none"> • Pairs of lines, transversal, properties of angle made by transversal with parallel lines • Definition of angle • Corresponding, adjacent, vertically opposite and linear pair of angles 	<p>Role play based on different types of lines by students</p>
September	Revision for half yearly exam		

October	Ch-10 Algebraic Expressions	<ul style="list-style-type: none"> • Addition and subtraction of algebraic expressions • Using algebraic expressions-formulas and rules 	PPT and explanation based on algebra
	Ch-6 The triangle and its Properties	<ul style="list-style-type: none"> • Angle sum property of a triangle • Exterior angle property of a triangle <p>Isosceles and equilateral triangle</p> <p>Type of triangles</p>	Verification of exterior angle property
November	Ch-7 Comparing quantities	<ul style="list-style-type: none"> • Ratio and proportion • Percentage • Simple interest • Application based questions 	Presentation of sub topics of comparing quantities and its application
	Ch-12 Symmetry	<ul style="list-style-type: none"> • Line of symmetry for regular polygons • Rotational symmetry • Order of rotational symmetry 	

December	Ch-9 Perimeter and area	<ul style="list-style-type: none"> Perimeter and area of square, rectangle, parallelogram, circle and path 	Experiential learning- Area and perimeter of different shapes
January	Ch-13 Visualizing solid shapes Revision	<ul style="list-style-type: none"> Introduction to plane and solid shapes Faces, edges and vertices Line of symmetry and rotation 	Math lab activity based on learning by doing to find no. of edges, faces and vertices in different shapes
February	Revision		

MONTH	No. AND NAME OF CHAPTER	SUB TOPICS	ACTIVITY
April	Chapter-1 Nutrition in plants	<ul style="list-style-type: none"> ● Mode of Nutrition In Plants, ● Photosynthesis Food Making Process in Plants ● Other Modes of, Nutrition in Plants ● How Nutrients are Replenished in The Soil. 	<ul style="list-style-type: none"> ● Experiments to test the occurrence of photosynthesis. ● Fungus development on bread
	Chapter-4 Acids ,Bases and Salts	<ul style="list-style-type: none"> ● Acids and Bases, Natural Indicators Around Us, ● Neutralisation, ● Neutralisations in Everyday Life. 	<ul style="list-style-type: none"> ● To study acid base salt activity with a natural indicator (Turmeric) ● Litmus test
	Chapter-3 Heat	<ul style="list-style-type: none"> ● Hot and Cold, Measuring Temperature, Laboratory ● Thermometer, Transfer of Heat, Kinds of Clothes We Wear in Summer and Winter 	<ul style="list-style-type: none"> ● Activity to show that heat travels through solids such as metals by conduction with the help of rod,nails and a candle
May	Chapter-2 Nutrition in animals	<ul style="list-style-type: none"> ● Different Ways of Taking Food, ● Digestion in Humans, Digestion in Grass-Eating Animals, Feeding and Digestion In Amoeba. 	<ul style="list-style-type: none"> ● Model of digestive system and teeth with the help of clay.
July	Chapter-5 Physical and chemical changes	<ul style="list-style-type: none"> ● Physical Changes, ● Chemical Change, ● Rusting of Iron, ● Crystallization. 	<ul style="list-style-type: none"> ● The statue of Liberty in New York is made of metal. Photographs show that it is green in colour. Why it is green in colour, what chemical

	Chapter-9 Motion and Time	<ul style="list-style-type: none"> ● Slow or Fast, Speed, ● Measurement of Time, ● Measuring Speed, ● Distance-Time Graph. 	<p>changes are involved, find out the name of the metal and also if it is advisable to clean it. Search the web and write down your findings.</p> <ul style="list-style-type: none"> ● Make a creative motion time project.
August	Chapter-6 Respiration in organisms	<ul style="list-style-type: none"> ● Why Do We Respire? ● Breathing ● How Do We Breathe? ● What Do We Breathe Out? ● Breathing in Other Animals ● Breathing Under Water ● Do Plants Also Respire? 	<ul style="list-style-type: none"> ● Make a working Model of Respiratory system
September	Half yearly exam revision		
October	Chapter-8 Reproduction in plants	<ul style="list-style-type: none"> ● Modes of Reproduction ● Sexual Reproduction ● Fruits and Seed Formation, Seed Dispersal. 	<p>Class discussion</p> <ul style="list-style-type: none"> ● To observe the reproduction process in plants by video. <p>(Children will observe the reproduction process at home following guidelines given by the teacher.)</p>
	Chapter-10	<ul style="list-style-type: none"> ● Symbols of 	<ul style="list-style-type: none"> ● Working model of electric bell

	Electric current and its effect	Electric Components <ul style="list-style-type: none"> ● Heating Effect of Electric Current ● Magnetic Effect of Electric Current ● Electromagnet, Electric Bell. 	<ul style="list-style-type: none"> ● Identify situations in daily life where electromagnets are used.
November	Chapter-7 Transportation in animals and plants	<ul style="list-style-type: none"> ● Circulatory System ● Excretion in Animals ● Transport of Substances in Plants 	Class discussion <ul style="list-style-type: none"> ● Human circulatory system. ● To observe the process of circulation through animated video.
December	Chapter-11 Light	<ul style="list-style-type: none"> ● Light Travels Along A Straight Line ● Reflection of Light ● Right or Left!, Playing with Spherical Mirrors ● Images Formed by Lenses ● Sunlight — White Or Coloured?. 	<ul style="list-style-type: none"> ● Think Zone Why are veins in old people more prominent? ● Try to make your own rainbow. Write your observation. <p>(The teacher will instruct the students to place a CD in the sunlight and observe the colours of the rainbow)</p>
	Chapter-12 Forest our lifeline	<ul style="list-style-type: none"> ● Visit a Forest 	Class discussion <ul style="list-style-type: none"> ● A virtual tour of the forest.
	Chapter-13 Wastewater story	<ul style="list-style-type: none"> ● Water, Our Lifeline ● What Is Sewage? ● Water Freshens Up – An Eventful Journey ● Wastewater Treatment Plant ● Better House Keeping Practices ● Sanitation and Disease 	<ul style="list-style-type: none"> ● A video on waste water treatment or sewage treatment plant.

		<ul style="list-style-type: none"> ● Alternative Arrangement for Sewage Disposal ● Sanitation at Public Places. 	
January	Revision		
February	Revision		

Subject-SOCIAL SCIENCE

Prescribed Book: NCERT

Prescribed Book: NCERT

MONTH	NO. AND NAME OF THE CHAPTER	TOPICS	ACTIVITIES
APRIL	<p>History: L-1 Tracing changes through a thousand years</p> <p>(Reading skills)</p> <p>Geography L1 Environment</p>	<p>- New and old terminologies</p> <p>- Historians and their sources</p> <p>- Old and New Religions</p> <p>- Natural environment, Ecosystem</p> <p>- Human environment</p>	<p>PROJECT Make few FLASH CARDS and show New and Old terminology related to our history</p> <p>ACTIVITY</p> <p>Collect 5 things that are natural and 5 human made things . Discuss in class how humans are destroying environment ?</p>

	<p>L-2 Inside our earth</p> <p>Civics: L-1 On Equality</p>	<p>- Interior of the earth, Rocks and minerals, Rock cycle</p> <p>Equal right to vote, Recognizing dignity, Adult franchise, Other democracies</p>	<p>Diagrams; Rock cycle, Interior of the earth.</p> <p>PROJECT: Collect few samples of rocks and minerals . show in class and discuss</p> <p>Poster Making- make a poster on Equality</p>
MAY	History: L-2, New kings and kingdoms	<p>- Emergence of new dynasties, Administration</p> <p>- Prashastis and land grants</p> <p>- Warfare for wealth, Cholas administration</p>	<p>Map: Major Kingdoms of 7th to 12th centuries</p> <p>Extent of Chola Empire</p> <p>Project for summer vacation: Collect the pictures and information of different types of rocks and categorize them as igneous, sedimentary and metamorphic rocks.</p>
JULY	History: L-3 The Delhi Sultans	<p>- About Delhi Sultans, Expansion of Delhi sultans, Expansion</p> <p>- Under Khalji's & Tughluq's, 15th and 16th century sultanate</p>	<p>Diagrams: Volcano, Earthquake</p> <p>Map :AlaudinKhalji's Campaign to South India</p> <p>PROJECT</p>

	<p>Geography: L-3 Our Changing Earth</p> <p>Civics: L-3 How the State government works.</p>	<ul style="list-style-type: none"> - Evolution of land forms, origin of an earthquake, Major landforms - Functions of MLA, Debate in Legislative Assembly Working of the government 	<p>Dress like any of the Delhi Sultan and present his /her life story as story telling</p> <p>PROJECT- Prepare a project file – Natural Calamities – caused and precautions</p> <p>ROLE PLAY- Enactment of Legislative Assembly</p>
AUGUST	<p>History: L-4 The Mughal Empire</p> <p>Geography: L-4 Air</p> <p>L-5 Water (Project /activity based)</p>	<ul style="list-style-type: none"> - Mughal Emperors, Military Campaigns, administrative policy, Akbar’s policy. - Composition of atmosphere, structure of atmosphere, - Weather and climate, air pressure, wind and moisture - Distribution of water bodies, ocean circulation, waves - Tides, ocean currents - Valuing housework, Woman’s work, and equality 	<p>Map: Military campaign under Akbar and Aurangzeb</p> <p>Diagrams: Constituents of air, layers of atmosphere, types of rainfall.</p> <p>Activity: Collect and make a record of temperature and other climatic conditions for one week.</p> <p>Diagrams: Spring and Neap tide, Water cycle</p> <p>Map: Ocean Currents, Rivers, Oceans, Seas</p> <p>PROJECT</p>

	Civics: L-4 Growing up as boys and girls (Reading skills)		SKIT- present the position of girls in Indian society. Also show How women are empowered in modern India.
SEPTEMBER	Revision for half yearly examination		
OCTOBER	<p>History: L-6 Towns traders and craft persons</p> <p>Geography: L-6 Natural vegetation and wildlife</p> <p>Civics: L-6 Understanding Media</p>	<p>-Administrative centres and Temple Towns -Network of small Towns, Traders Big and Small -Hampi,Masulipatnam and Surat - New Towns and traders</p> <p>- Types of forests, grasslands - Features and location</p> <p>- Media and technology, media and money. - Media and democracy, setting agendas</p>	<p>MAP Mark and label administration centres and temple towns on India political map</p> <p>Map: Mark Tropical grasslands on the world map</p> <p>Project: Make a project file on Media and its importance in Our democracy. Use lot of pictures for your project.</p>

NOVEMBER	<p>Geography: L-7 Human environment - Settlement, Transport and Communication</p> <p>History: L-10 Eighteenth century political formations</p>	<p>-</p> <p>- Temporary and Permanent settlement, Transport and Communication.</p> <div data-bbox="828 352 1166 751"> <p>- Later Mughals, New states, Old Mughal Provinces Jagirs of the Rajput's, Seizing Independence</p> <p>: British territories in mid-18th century</p> </div>	<p>Diagram: Types of settlement.</p> <p>Map: State formations in 18th century.</p> <p>: British territories in mid-18th century</p>
DECEMBER	<p>Geography: L- 8 Human Environment Interactions - Tropical and Sub-Tropical Region</p> <p>Civics: L-8 Markets around</p>	<p>- Amazon Basin, Ganga Brahmaputra Basin - Climate, Vegetation and life of the people.</p> <p>-Weekly markets, shops shopping complexes, chain of markets, market& equality.</p>	<p>Map: Amazon Basin, Ganga Brahmaputra Basin</p> <p>ACTIVITY- Prepare a survey report on types of market around us. Also paste pictures. Present as ppt</p>

JANUARY	<p>Civics :L-9A shirt in the Making (PROJECT BASED)</p> <p>Geography: L -9 Life in the Temperate Grasslands (Reading skills)</p>	<p>Activity: steps of production of a cotton shirt and through this explain the chain of market</p> <p>- Prairies, Velds- Climate, flora, fauna and people</p>	<p>PROJECT- make a project on the process of making a shirt. Also cut a outline of a shirt. Make a ppt and present in class.</p> <p>Map: Temperate grasslands of the world.</p>
FEBRUARY	Revision		


Subject-Computer

Prescribed Book-Touch Pad Plus Version 2.1

MONTH	CHAPTERNO. AND NAME	NAME OF THE TOPICS	ACTIVITY/PRACTICAL
APRIL	<p>Lesson-1</p> <p>Number System</p>	<ul style="list-style-type: none"> · Number System · Decimal to Binary Conversion · Binary to Decimal Conversion · Operations on Binary Numbers 	Convert the numbers from Binary to decimaland vice versa.

	Lesson-2 Charts in Excel 2016	<ul style="list-style-type: none"> · Components of a chart · Types of Chart in Excel 	Prepare the mark sheet of Term end examination in Excel.
MAY	Lesson-3 Advanced features of Excel	<ul style="list-style-type: none"> · Sorting Data · Filtering Data · Conditional Formatting 	Make a list of 15 teachers and subjects taught by them. Apply filters on the subject's field.
JULY	Lesson-6 App Development	<ul style="list-style-type: none"> · ☞ What is an App? + Categories of Apps · ☞ Defining the Android and iOS + Downloading and Installing the App · ☞ Types of Mobile Apps + Developing an App 	develop an App for reciting tables

AUGUST	Lesson-7 More on HTML	☞ HTML + HTML Tags and Attributes ☞ Text Properties + Background Properties - Font Properties + - Margin Properties	create a web page using all the HTML Tags
SEPTEMBER	Revision		
OCTOBER	Lesson-8 Lists and Tables in HTML	☞ Creating Lists + Creating Tables	Table of car names and their models.

NOVEMBER	Lesson-4 Introduction to Python	<ul style="list-style-type: none"> · Python and its features · Installing Python · Programming in Python · Variables and Data Types in Python · Comments in Python · Operators and its Precedence · Sample Programs 	Write program <ul style="list-style-type: none"> · To convert Celsius to Fahrenheit · Calculate area of the Square · To add two numbers
	Lesson-9 Conditional Statements in Python	<ul style="list-style-type: none"> · Decision Making Statements 	Write programs using Decision Making Statements.
DECEMBER	Lesson-10 AI for SDGs	<ul style="list-style-type: none"> ·  Sustainable Development Goals 	Research more about SDGs and ask them to create a poster on SDGs
JANUARY		<ul style="list-style-type: none"> · REVISION 	

वषयः सं कृत 2024-25

पा य प तकमः चरा (वतीयोभागः)

याकरणमः सं कृत याकरणम्वैभवम्

मास	चरा (थमोभागः)	सं कृत याकरणम्वैभवम्	गतवधः
अैल	<ul style="list-style-type: none">थमः पाठः - सुभाषता न	<ul style="list-style-type: none">थमः पाठः वणवचारःवतीयः पाठः- श द प योगश द पा ण – राम , लताधातु पा ण – प , कृ , (पांच लकार)	मम प रचयः
मई	<ul style="list-style-type: none">वतीयः पाठः - दुबुधः वन यत	<ul style="list-style-type: none">सतमः पाठः-सं या योगसं कृत सं या (1 से 50)पयायवाची : 1-25वलोम : 1-25तृतीयः पाठः- धातु प योगःसतमः पाठः- सवनामा नश द पा ण – नद , तत् (तीन लंग म)धातु पा ण – वस, श, (पांच लकार)	लोक गायन

जुलाई	<ul style="list-style-type: none"> • तृतीयः पाठः - वावल बनम् • पः>चमः पाठः - पि उता रमाबाई 	<ul style="list-style-type: none"> • दशमः पाठः - सं ध करणम् • अप ठतम् अवबोधनम् • च वणम् • प म् • श द पा ण – फल , म त , पत् , अ म • धातु पा ण – नम्, पा , मृ(पांच लकार) 	वातालाप
अग त	<ul style="list-style-type: none"> • ष ठःपाठः- सदाचारः • अ टमः पाठः - वणः वजः 	<ul style="list-style-type: none"> • पः>चमःपाठः- कारक वभि तःतथा उपपद वभि तः • ष ठः पाठः- अ ययाः • श द पा ण – वा र , मधु, एतत् (तीन लंग म) • धातु पा ण – पच्, अस्, (पांच लकार) 	मं उ चारण
सतंबर	<ul style="list-style-type: none"> • पाठानाम् पुनरावृ तः 	<ul style="list-style-type: none"> • अ टमः पाठः - उपसर्गः • सामा य अनुवाद • श द पा ण – मातृ, मधु, गु , कम (तीन लंग म) 	-
अ टूबर	<ul style="list-style-type: none"> • वादशःपाठः - वयाधनम् 	<ul style="list-style-type: none"> • पयायवाची : 26-50 • वलोम श दाः 26-50 • श द पा ण – यत् (तीन लंग म) • धातु पा ण – खा, प (पांच लकार) 	गीत/भजन गायन

नवंबर	<ul style="list-style-type: none"> योदश:पाठः - अमृतं 	<ul style="list-style-type: none"> नवम:पाठ:- ययः अप ठतम् अवबोधनम् च वणमम् प म् 	कथा वाचनं
दसंबर	<ul style="list-style-type: none"> चतुदशः पाठः - अना रकायाः िज ासा 	<ul style="list-style-type: none"> अनुवाद दवादश पाठः- अनु छेद लेखनम् श द पा ण -यु मद 	श दकोश अंताहर
जनवर	अ यास न प ं पुनरावृ तःच	अ यास न प ं पुनरावृ तःच	-