ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN

SESSION 2023 2024

SPLIT UP SYLLABUS

CLASS VI – VIII

SUBJECT: HINDI
CLASS: VI

BOOK NAME- (1) वसंत भाग -1 (2) गुलमोहर हिंदी व्याकरण (3)बालरामायण कथा

TERM-1	ASSESMENT	MONTH	CHAPTER & Sub Topics	Learning objectives	Activities	SYLLABUS COVERAGE
APRIL TO SEPTEMBER		April	**वसंत** - 1वह चिड़िया जो 2 बचपन **व्याकरण-** भाषा और व्याकरण (भाषा के रूप व्याकरण की परिभाषा) वर्ण विचार (स्वर तथा व्यंजन वर्णमाला मात्रा चिह्न अनुनासिक)अनुच्छेद लेखन **बालराम कथा पाठ 1** अवधपुरी में राम 2 -जंगल और जनकपुरी	छात्रों को स्थान विशेष के फलों एवं अन्य विषय की जानकारी होना, तथा अपना कार्य स्वयं करने को प्रोत्साहित होंगे तथा लेखन अभिव्यक्ति का विकास होगा।	विद्यार्थी पंचम वर्ण के प्रयोग के लिए 10 शब्द लिखेगा। विद्यार्थी मूल्य आधारित कहानी का वाचन करेंगे। श्रुतलेख	
		May	**वसंत-** पाठ-3 नादान दोस्त पाठ- 4चाँद से थोड़ी सी गप्पें **व्याकरण-** अपठित बोध **बालराम कथा** –पाठ- 3 दो वरदान पाठ 4-राम का वन गमन 5-चित्रकूट में भरत	छात्र चंद्रमा के घटने बढने की प्रक्रिया को समझने में समर्थ होंगे, तथा पढ़ने के कौशल का विकास होगा धार्मिक ग्रंथ रामायण	गर्मी सर्दियों की लंबी छुट्टियों में आप अपने रिश्तेदार में किसी के यहाँ गए हैं तो उसका अनुभव एक पोस्टकार्ड या अंतर्देशीय पर लिखकर बताओ। कृष्ण पक्ष और शुक्ल पक्ष का अर्थ और अंतर	

				से परिचित होना।	कक्षा में चर्चा करेंगे।	
	PT-1(July) **Max M: 40 (Weightage 5m)**	July	**वसंत** (**<u>पाठ-5 अक्षरों का महत्त्व पाठ-6 पार नज़र के पुनर्संयोजित पाठ</u>**) **व्याकरण**-शब्द- विचार (उत्पत्ति के आधार पर रचना के आधार पर शब्द विकार के आधार पर अर्थ के आधार पर) औपचारिक पत्र **बालराम कथा-** पाठ 4-राम का वन गमन 5-चित्रकूट में भरत	अक्षरों की खोज कैसे हुई यह जानना तथा प्राचीन काल के मनुष्यों का जीवन कैसा होगा इसका अनुमान लगाना |अपने से भिन्न भाषा खान-पान, रहन-सहन संबंधी व्यवस्थाओं पर बातचीत कर सकेंगे।	सांकेतिक भाषा में परियोजना कार्य, पार नजर की कहानी का नाट्य मंचन को संवाद के रूप में लेखन(लेखन अभिव्यक्ति) यदि आपको भी कोई एलियन मिल जाए तो आपका उसके प्रति कैसा व्यवहार होगा। (मौखिक अभिव्यक्ति)	30% of Term 1
		August	**वसंत** पाठ-7 साथी हाथ बढ़ाना पाठ 8 ऐसे-ऐसे **व्याकरण**- उपसर्ग,प्रत्यय, संवाद लेखन,विज्ञापन लेखन,लघु कथा लेखन। **बालराम कथा**-पाठ -6 दंडक वन में दस वर्ष	साथ मिलकर काम करने की प्रेरणा पाठ्यपुस्तक को पढ़कर उसके विषय वस्तु का अनुमान लगाना बालक के बाल मनोभावों को जानने की चेष्टा। लेखन कौशल का विकास तथा अभिव्यक्ति की	गीत वाचन कहानी लेखन	

				कला का विकास कर सकेंगे।		
	PT-2 (Sep) **Max M: 80 (Weightage 80 m**	September,	**बसंत** –पुनरावृत्ति **व्याकरण** -पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द।	शब्दावली का अर्थ ज्ञात होगा और सही रूप का प्रयोग कर सकेंगे।	अभ्यास पत्र के माध्यम से कुछ शब्द दिए जायेंगे। विलोम, पर्यायवाची लिखने को दिए जाएंगे।	30 + 20 = 50% Of Annual Syllabus (April to September)
TERM-2 OCTOBER TO MARCH		October	**बसंत-** पाठ -9 टिकट अलबम पाठ -10झाँसी की रानी **व्याकरण** श्रुतिसमभिन्नार्थक शब्द, वाक्यांशों के लिए एक शब्द, अनौपचारिक पत्र **बालराम कथा**-पाठ 7सोने का हिरन पाठ – 8सीता की खोज	छात्र पश्चाताप के भाव से परिचित होंगे और आपसी मित्रता के महत्व को समझने में समर्थ होंगे आजादी की पृष्ठभूमि पर परिचर्चा।	डाक टिकटों,देशों के राष्ट्र ध्वज आदि को एकत्र कर एक एल्बम बनाएंगे। लक्ष्मीबाई का चित्रांकन करेंगे।	
		November	**बसंत-** पाठ-11 जो देखकर भी नहीं देखते पाठ -12 संसार पुस्तक है पाठ -13 मैं सबसे छोटी होऊँ **व्याकरण** संज्ञा(संज्ञा के भेद व्यक्तिवाचक जातिवाचक भाववाचक) लिंग (लिंग के प्रकार लिंग परिवर्तन) वचन (वचन के प्रकार वचन परिवर्तन) कारक	छात्र प्रकृति का अनुभव करने तथा आँखों की महत्ता को समझने में समर्थ होंगे। माता का स्नेह अमूल्य होता है। जिसे पाने के लिए बच्चा हमेशा छोटा बना रहता है।	नेत्रदान की प्रेरणा हेतु नारा लेखन एवं विज्ञापन लेखन। अपनी माता पर एक अनुच्छेद (लिखित अभिव्यक्ति)	
	PT-3(Dec) **Max M: 40**	December	**बसंत-** पाठ-14 लोकगीत पाठ-15 नौकर	छात्र यह जानने में समर्थ होंगे कि	किसी भी दो राज्य के एक-एक लोकगीत अपनी कॉपी में लिखेंगे।	30% of Term 2

	(Weightage 5m)		**व्याकरण** -विराम –चिह्न,मुहावरे, लोकोक्तियाँ। **बालराम कथा-** पाठ-9 राम और सुग्रीव पाठ 10 –लंका में हनुमान पाठ -11 लंका विजय	लोकगीतों का सामाजिक रीति रिवाज में महत्वपूर्ण स्थान होता है ।गांधी जी के व्यवहार को समझ सकेंगे सभी को एक समान समझने की प्रेरणा मिलेगी।	वर्तमान समय में गांधीजी की उपयोगिता के विषय पर परिचर्चा करेंगे।	
	Annual Exam (Mar) **Max M: 80 (Weightage 80 m)**	January	**वसंत** - पाठ 16 वन के मार्ग में **<u>पाठ 17 साँस- साँस में बाँस</u>** **<u>पुनर्संयोजित पाठ</u>**) **बालराम कथा-** पाठ-12राम का राज्याभिषेक	बाँस के बनने की प्रक्रिया तथा दैनिक जीवन में उनके प्रयोग की जानकारी।	बाँस से बनने वाली 10 वस्तुओं के नाम उत्तर पुस्तिका में लिखवाया जायेगा।	10% of Term 1 + Entire syllabus of Term 2
		February	**वार्षिक परीक्षा में आने वाले पाठ्यक्रम की पुनरावृत्ति**	छात्र परीक्षा में अच्छा प्रदर्शन कर सकेंगे		
		March	वार्षिक परीक्षा			

<u>पुनर्संयोजित पाठ -5 ,6 ,17 इन पाठों का केवल परियोजना कार्य कराया जायेगा उत्तर पुस्तिका में प्रश्न उत्तर नहीं लिखवाये जायेंगें।</u>

पाठ्यक्रम विभाजन (2023-24)

कक्षा - षष्ठी **विषय – संस्कृतं**

माह	पाठ/प्रकरण	हटाए गए पाठ/प्रकरण
	प्रथम सत्र	
अप्रैल	1. शब्दपरिचय: -I 2. शब्दपरिचय: -II	**नोट:-** **निम्नलिखित पाठ इस वर्ष पाठ्यक्रम से हटा दिए गए हैं। इनसे केवल गतिविधियाँ करवायी जाएंगी।** **पाठ-** **पाठ11. पुष्पोत्सव:** **पाठ15. मातुलचंद्र**
मई	3. शब्दपरिचय: -III *बालक शब्दरूप , *पठ् धातु (तीनों लकार)	
जुलाई	4. विद्यालय: 5. वृक्षा: *संख्यावाची शब्द (1-10)	
अगस्त	6. समुद्रतट: *बालिका शब्दरूप	
सितम्बर	*गम् धातु (तीनों लकार) *संख्यावाची शब्द (11-20) , *वाक्य -निर्माण	

		क्रियात्मक गतिविधि - प्रथम सत्र :- 1.श्लोक पाठ 2.श्लोक लेखन (A-4 शीट) द्वितीय सत्र :- 1.वाक्य - निर्माण (A-4 शीट) 2.अनुच्छेद लेखन(A-4 शीट)
	द्वितीय सत्र	
अक्तूबर	7. बकस्य प्रतीकार: 8. सूक्तिस्तबक: *संख्यावाची शब्द (21 -30)	
नवम्बर	9. क्रीड़ास्पर्धा 10. कृषिका: कर्मवीरा: *पुष्पं शब्दरूप , *स्था धातु (तीनों लकार)	
दिसंबर	12.दशम: त्वं असि *संख्यावाची शब्द (31 -40)	
जनवरी	13.विमानयानं रचयाम: 14.अहह आ: च *संख्यावाची शब्द (41-50) ,*अनुच्छेद लेखन	
फरवरी ,मार्च	पुनरावृत्ति	

CLASS: VI
SUBJECT: ENGLISH

TERM 1

Month	CHAPTERS / POEMS	GRAMMAR & WRITING SKILLS TOPICS	ACTIVITIES	DELETED CHAPTERS& POEMS
April	**HONEYSUCKLE** Chapter 1 Who Did Patrick's Homework ? A House, A Home(poem) **A PACT WITH THE SUN** Chapter 1. A Tale of Two Birds	GRAMMAR Chapter 2-The Sentence WRITING SKILLS Picture Composition	Poem Recitation Group Discussion	----------
May	**HONEYSUCKLE** Chapter 2 How the Dog found Himself A New Master ! The Kite(poem) **A PACT WITH THE SUN** Chapter 2.The Friendly Mongoose	GRAMMAR Chapter 6- Adjectives: Degrees of Comparison	Role Play Origami Art	----------
July	**HONEYSUCKLE** Chapter 3. Taro's Reward The Quarrel (Poem)	GRAMMAR Chapter 8-Verbs WRITING SKILLS Notice Writing	Speech Group Discussion	
August	**HONEYSUCKLE** Chapter 4. An Indian American Woman in Space :Kalpana Chawla Beauty(Poem)	GRAMMAR Chapter10-Subject Verb Agreement Chapter 11-Tenses WRITING SKILLS Informal Letter writing	Musical Presentation Role Play	
September	**A PACT WITH THE SUN** Chapter 3 The Shepherd's Treasure	GRAMMAR Chapter 13-Adverbs-Kinds and formation	Descriptive drawing Activity	--------

TERM II				
October	**HONEYSUCKLE** Chapter 5. A Different Kind of School Where Do All the Teachers Go? (poem) **Chapter6. Who I am(Part I- Many Voices)** **The Wonderful Words (Poem)**	GRAMMAR Chapter 13-Adverbs-Kinds and formation	Group Discussion Descriptive drawing Activity	**HONEYSUCKLE** **Chapter6. Who I am.** **Part II Multiple Intelligences**
November	**A PACT WITH THE SUN** Chapter 5.Tansen Chapter 6.The Monkey and the Crocodile	GRAMMAR Chapter 15-Conjunction WRITING SKILL Formal Letter Writing	Vocabulary Game Role Play	**A PACT WITH THE SUN** Chapter 4. The Old Clock Shop
December	**HONEYSUCKLE** Chapter 7. Fair Play Chapter 10.The Banyan Tree	GRAMMAR Chapter 17-Direct indirect Speech	Story creation with the help of given clues	**HONEYSUCKLE** Chapter 8. A Game of Chance Vocation(Poem) Chapter 9. Desert animals What If (Poem)
January	**A PACT WITH THE SUN** Chapter 7.The Wonder Called Sleep Chapter 8 A Pact with The Sun	WRITING SKILL Story Writing	Role Play Funny Story Telling	**A PACT WITH THE SUN** Chapter 9. What Happened To The Reptiles? Chapter 10. A Strange Wrestling Match. ----
February	REVISION	REVISION		----

BIFURCATION OF SYLLABUS (2023-24)
SUBJECT: MATHEMATICS
CLASS: VI

TEXT BOOK - NCERT MATHEMATICS

TERM-1	ASSESSMENT & MARKS	MONTH	CHAPTER & SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY	SYLLABUS COVERAGE	DELETED PORTION
APR TO SEPT		April	**1. Knowing our Numbers** • Revisiting place value, Comparing numbers • Ascending/ Descending numbers • Large number in practice • Estimation • Roman Numbers	• Find the place value of the digit in any number in Indian Number System and International Number System to, expand given number to find place value of a given digit, Comparing numbers. • Making smaller/ greater number from given digits, arrange numbers in ascending and descending order. • Using places of digits and commas to read large number easily, Using large numbers in applications. • In order to round off estimate the given number to nearest tens and hundreds and getting sum, differences and product easily. • Using Roman number rules, perform various arithmetic operations with them like sum, difference and product.	Verify commutative property of addition and multiplication by paper cutting and pasting.		**Ex 1.3** (1.3.1 Estimation 1.3.2 Estimating to the nearest tens by rounding off 1.3.3 Estimating to the nearest hundreds by rounding off 1.3.4 Estimating to the nearest thousands by rounding off 1.3.5 Estimating outcomes of number situations 1.3.6 To estimate sum or difference 1.3.7 To estimate products 1.4 Using Brackets 1.4.1 Expanding brackets 1.5 Roman Numerals)

			2. Whole Numbers • Whole Numbers • Successor and Predecessor • Operations on the number line • Properties of whole numbers • Pattern in whole numbers	• Understanding the whole numbers by the concept of predecessor of 1. • Draw number line to represent whole numbers, recognizes successor/ predecessor of a given number. • Performs operation on whole numbers. • Simplify arithmetic expressions using properties of whole numbers, to perform verbal calculations. • Establish patterns using whole numbers, forming shapes using dots.	To find prime numbers from 1 to 100 by **Sieve of Eratosthenes**		**EX-2.2 , EX-2.3** (2.4 Properties of whole numbers 2.5 Patterns in whole numbers)
		May	**3. Playing with Numbers** • Factors and Multiples • Prime and Composite number • Test for divisibility of numbers	• To find factors, find numbers which exactly divide the given number, find multiples of given numbers. • To find common factors and common multiples, listing down the factors and multiples of given numbers. • To find Prime and Composite number using factors of given number. • To find factors use divisibility rules of various numbers.	To find the LCM of the given numbers by using number grid.		**EX-3.5 Q1** (3.6 Some more divisibility rules)
	PT-1 **Max M:40 (Weightage 5 m)**	July	**3. Playing with Numbers (Cont.)** • HCF and LCM • Common Factors and Common Multiples • Problems on HCF & LCM	• To find HCF, list down common factors of the given numbers. • To find LCM, list down common multiples of the given numbers. • Solving real life problems using concept of LCM and HCF.		30% of Term-1	
			4. Basic Geometrical Ideas • A Point, A Line Segment, A Line, Ray, Parallel lines, Intersecting lines • Curves • Polygon • Angles • Triangle, Quadrilateral and Circle	• To discuss the concept of a point, a line segment, a line, Ray, Parallel lines, intersecting lines using examples. • To discuss different types of curves • To draw rough sketch of polygons in order to describe its element. (Sides, Vertices and Diagonals) • To discuss concept of angle and its elements and give examples in order to name an angle in the given figure. • To discuss concept of Triangle, Quadrilaterals, Circle and its elements. To identify the parts of a circle.	Geometrical representation of lines.		**EX-4.4, EX-4.5, EX-4.6** (4.11 Triangles 4.12 Quadrilaterals 4.13 Circles)
		August	**5. Understanding Elementary Shapes** • Measuring Line	• To compare the given line segments by measuring their length. • To classify angles based on the amount of rotation	To classify triangles on the basis of sides		**EX-5.9** (5.10 Three dimensional shapes)

			Segment • Angles Right and Straight • Angle Acute, Obtuse and Reflex • Perpendicular line • Classification of Triangles • Quadrilateral • Polygons • 3-Dimensional shapes	by examining rotation. • To classify angles as acute, obtuse and reflex according to their measure. • To discuss concept of Perpendicular lines and perpendicular bisectors using examples. • To classify the types of triangles on the basis sides and angles. • To classify the types of Quadrilaterals based on their properties. • To examine the given figures in order to identify polygons based on its sides. • To discuss concept of three-dimensional shapes.	and angles from group of triangles.	30+20= 50% of Annual Syllabus	
			6. Integers • Introduction • Integers • Addition/ Subtraction of Integers	• To understand positive and negative number and zero using concept of successor/ predecessor. • To represent integers on number line and to determine order of integers and compare them. • To perform arithmetic operations on integers by representing them on number line and using rules of integers operation to find the integers.	Addition of integers with the help of coloured button		**<u>No Deletion</u>**
	PT-2 **Max M:80 (Weightage 80 m)**	September	**7. Fractions** • A Fraction • Types of Fractions • Comparing Fractions • Addition and Subtraction of Fractions	• To discuss concept of fraction and to identify numerator and denominator by showing them on number line. • To understand the types of fractions. (Proper, Improper, mixed, like, unlike and equivalent fraction). • To compare like/unlike fractions. • Solve like and unlike fraction (addition/subtraction).	Forming proper fraction with the help of paper cutting and pasting.		**<u>No Deletion</u>**
TERM-2 OCT TO MARCH		October	**8. Decimals** • Introduction • Tenth and Hundredths • Using Decimals • Addition and Subtraction of Decimals	• To discuss the concept of decimal in order to know the meaning and relevance of dot point. • Determine the place of the digits of a decimal number in order to write it in words. • Determine the place value of decimal numbers up to tenth and hundred in order to write the number in expanded form. • Represent/Convert the money, length and weight into smaller units in order to represent it into decimal form. • Add and subtract the whole and parts of decimal numbers in order to find their sum and difference.	To represent decimals numbers 0.25, 0.5 etc. on 10x10 grid by shading.		**<u>EX-8.1, EX-8.2</u>** (8.2 Tenths 8.3 Hundredth)

	PT-3 **Max M:40 (Weightage 5 m)**	November	**9. Data Handling** • Recording of data • Organisation of Data • Pictograph • Bar Graph	• Observe different tables in order to gather the information recorded in the table. • Organise raw data into a table using tally marks in order to organize the given data. • Observe pictograph and find meaningful inferences. • Draw a pictograph in order to represent the given information using appropriate symbols. • Observe bar graph in order to reason the information presented. • Choose an appropriate scale to draw the bar graph and find the relevant information from it.	Collecting data from students regarding time spent in watching TV and representing it by bar graph.	30% 0F Term-2	**<u>EX-9.2, EX-9.3, EX- 9.4</u>** (9.6 Drawing a pictograph 9.7 A bar graph 9.7.1 Interpretation of a bar graph 9.7.2 Drawing a bar graph)
			10. Mensuration • Perimeter • Area	• Give example(s) in order to define perimeter of closed figures, Deduce and apply the formula to determine the perimeter. (Rectangle, Square and Regular polygon) • Count the squares in order to estimate the area of the given closed curve in the squares grid sheet. Deduce and apply the formula in order to determine the area of a rectangle and square.	Finding area of irregular figure by counting squares.		**<u>No Deletion</u>**
		December	**11. Algebra** • Introduction to Variable • Match stick pattern • Expressions with variable • What is an Equation?	• Describe algebraic expressions in order to distinguish them from arithmetic expressions. • Use variable with different operations in order to generalise a given situation. • Examine patterns in order to identify relationship in patterns. • Use variable with different operations in order to form an algebraic expression. Explain the meaning of an equation, using trial and error to find its solution.	Relation between number of matchsticks and number of alphabet pattern.		**<u>EX-11.2, EX-11.3, EX-11.4, EX-11.5</u>** (11.6 Use of variables in common rules 11.7 Expressions with variables 11.8 Using expressions practically 11.9 What is an equation? 11.10 Solution of an equation)
			12. Ratio and Proportion • Ratio • Proportion • Unitary Method	• Compare two quantities in order to find their ratio. (same unit) • Multiply/divide numerator and denominator by same number in order to find equivalent ratio. • Compare ratio in order to determine whether they are in proportion. • Solve the problems with the help of Unitary method in order to compute the value of one article, given the value of many.	To study the concept of ratio by cutting and pasting.		**<u>No Deletion</u>**

		January	**13. Symmetry** • Introduction • Reflection and Symmetry	• Explain the meaning of symmetry in order to identify symmetric figures in our surrounding. • Draw line(s) of symmetry in order to classify the given shapes as shapes with no symmetry, one line of symmetry, two lines of symmetry or multiple lines of symmetry. • 2. Draw the mirror image of the given 2D shapes or objects in order to identify objects with reflection symmetry.	Number of lines of symmetry by paper folding.		**Full Chapter deleted**
			14. Practical Geometry • Introduction • The Circle • A Line Segment • Perpendicular • Angles	• Discuss the different tools of construction in order to describe their uses. • Steps to construct a circle when its radius is known. • Steps to construct a line segment when its length is known. • Perpendicular to a line through a point on it and not on it. • Construction of angles using protractor, using compass 60°, 120° and angle bisector (multiples of 15°)	Representing different types of angles by paper folding		**Full Chapter deleted**
		February	**Revision**				
	ANNUAL EXAMINATION **Max M:80 (Weightage 80 m)**	March	**Annual Exam**			10% of Term-1 + Entire syllabus of Term-2	

ARMY PUBLIC SCHOOL BIRPUR

Syllabus 2023-24

Class VI

Subject -SCIENCE

Month	Chapter Name/no	Subject enrichment activities(lab Activity/Map Activity/Workbook)	Learning Outcome
April	L-2 Components Of Food	*(i) Paste pictures of components of food. (ii)Balanced diet chart	*Understand the components of food and importance of balanced diet.
May	L-4 Sorting Material into Groups	*Observing the solubility of few substances in water.	Classify the material around them on the basis various properties.
July	L-5Separation Of Substance	*Demonstration: Homogenous and Heterogeneous mixture	* Classify pure substances and mixtures.
PT-I		L-2,4,5	
Aug	L-7 Getting to know plants L-8 Body Movements	*Demonstration (i) Tap Root & Fibrous Root. (ii)Parts of flower *Video on types of joints	*Understands the features and importance of root, stem, leaf and flower. *Understand types of joints and their importance.
Sept	L- 9The Living Organisms and their surroundings	*Paste pictures of animals living in different habitat.	*Understand different types & components of habitat.
Half Yearly		L-2,4,5,7,8,	

Oct	L-10 Motion and measurements of distances	*Video on types of motion.	*Understand the importance of SI units & types of motions.
Nov	L-11 Light, Shadow &Reflections L-12 Electricity & Circuits	*To observe difference between a shadow and an image. *To make a simple torch.	*Understand the importance of light & formation of shadow, images and eclipse. *Construct electric circuit.
Dec	L-13 Fun with Magnets	To observe attraction & repulsion of magnetic poles	*Use of compass to find direction.
PT-2		9,10,11,12	
Jan	L--15 Air Around Us	*Poster making: Air pollution	*Awareness of Air pollution, causes and ways to control it.
Feb		Revision	
March Annual Exam		L-9,10,11,12,13,15	

- **DELETED CHAPTERS—Ch 1 Food where does it comes from, Ch 3- Fibre to fabrics, Ch6-Changes around us, Ch14-Watwe, Ch-16 Garbage in garbage out.**

Class: VI
Subject: Social Science

Month	Chapter Name	Revised syllabus
April	**History** 1.When where how and when? **Geography** 1. The earth in the solar system **Civics,** 1.Understanding Diversity	**History** **1.When where how and when?** **Geography** **2. The earth in the solar system** **Civics, 1.Understanding Diversity**
May	**History** 2.from gathering to growing food. **Civics** 2. Diversity and Discrimination.	**History** **2.from gathering to growing food.** **Civics** **2. Diversity and Discrimination.**
July	**History** 3.In the earliest cities **Geography** 2.Globe; latitude and longitude **Civics** 3.What is government?	**History** **3.In the earliest cities** **Geography** **2.Globe; latitude and longitude** **Civics** **3.What is government?**
Aug	**History** 4.What books and burials tell us.. **Geography** 3.Motion of the earth **Civics** **4.Key elements of Democratic Government**	**History** **4.What books and burials tell us..** **Geography** **3.Motion of the earth** **Civics** **4. Key elements of Democratic Government (Project -Rationalized by CBSE)**

Sept	**History –** 5..Kingdom, kings and on early Republic.. **Geography** 4.Maps **Civics**. 5.Panchayat Raj	**History –** **5.Kingdom, kings and on early Republic..** **Geography** **4.Maps** **Civics.** **5.Panchayat Raj** ***Revision for HY***
Oct	**History** 6 New Questions and Ideas **Geography** 5.Major domains of the earth **Civics** 6.Rural Administration	**History** **6 New Questions and Ideas** **Geography** **5.Major domains of the earth** **Civics** **6.Rural Administration**
Nov	**History** 7- Ashoka the emperor who gave up war. **Geography** **6. Major landforms of the earth** **Civics** 7.Urban administration.	**History** **7- Ashoka the emperor who gave up war.** **GEOGRAPHY** **6 Major Landforms of The Earth (Project based-rationalized by CBSE)** **Civics** **7.Urban administration.**
Dec	**History** 8. Vital Villages, Thriving Towns **9. Traders, Kings and Pilgrims** 10. New Empires And Kingdoms **Geography** 7.Our country India	**History** **8 Vital Villages, Thriving Towns** **9. Traders, Kings and Pilgrims(Activity based)** **10. New Empires And Kingdoms** **Geography** **7.Our country India**

Jan	**History** 11..Building, paintings and books **Geography** **8.India ; climate, vegetation and wildlife.** **Civics** 8.Rural livelihoods 9. Urban liveihoods	**History** **11.Building, paintings and books** **Geography** **8.India ; climate, vegetation and wildlife(Project wise Rationalise by CBSE)** **Civics** **Rural Livelihoods** **9. Urban liveihoods**
Feb	**Revision**	
Mar		

REVISED SPLIT-UP SYLLABUS OF CLASS VI

TOTAL CHAPTERS: 28

ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN
SESSION: 2023 - 24
COMPLETE SPLIT UP SYLLABUS OF COMPUTER
CLASS : VI

Sl.NO	MONTH	Name of the Chapter
		TERM-I
01	APR	CH – 1 Computer and its Components
02	MAY	CH – 2 Computer Memory
03	JUL	CH – 3 Excel Creating Worksheet
04	AUG	CH - 4 Excel – Functions and Charts
05	SEP	CH – 5 Adobe Animate Introduction
		TERM-II
06	OCT	CH-6 Google Apps
07	NOV	CH-7 Internet Services and Safety
08	DEC	CH- 8 Cloud Computing
09	JAN	CH- 9 Python -Introduction
10	FEB	CH- 10 Fields of Artificial Intelligence

BIFURCATION OF SYLLABUS (2023-24)
SUBJECT : HINDI
CLASS : VII

TEXT BOOK - वसंतभाग -2, गुलमोहर हिंदी व्याकरण, बाल महाभारत कथा

TERM-1	ASSESMENT	MONTH	CHAPTER & Sub Topics	LERNING OBJECTIVES	ACTIVITIES	SYLLABUS COVERAGE
APRIL TO SEPTEMBER	**PT-1 Max M: 40 (Weightage 5m)**	APRIL	वसंत - पाठ -1हम पंछी उन्मुक्त गगन के पाठ -2 दादीमाँ (केवल पठन हेतु) पाठ -3हिमालय की बेटियाँ बालमहाभारत - पाठ- 1 महाभारत कथा पाठ- 2 देवव्रत ,पाठ- 3 भीष्म -प्रतिज्ञा पाठ- 4 अंबाऔर भीष्म व्याकरण -भाषा, ध्वनि, वर्ण विच्छेद	अपने पालतू पशु ,पक्षी के साथ अपने संबंध पर चर्चा करपाएँगे।किसी चित्र या दृश्य को देखने के अनभुव को अपने ढंग से व्यक्त करेंगे। अपने परिवेश में मौजूद लोक-कथाओं और लोक गीतों के बारे में चर्चा करेंगे व लेखन अभिव्यक्ति का विकास होगा।	1.अपनी या पशु पक्षियों की स्वतंत्रता का वर्णन अपने शब्दों में कीजिए । 2.अपनी जीवन से सम्बंधित किसी एक घटना का वर्णन कीजिए । 3.प्रकृति चित्रण का वर्णन अपने शब्दों में कीजिए ।	30% of Term 1

		MAY/ JUNE	वसंत - पाठ-4 कठपुतली बाल महाभारत - पाठ- 5 विदुर पाठ- 6 कुंती पाठ- 7 भीम व्याकरण -संज्ञा, सर्वनाम , विशेषण, क्रिया	विविध कलाओं जैसे- हस्तकला, वास्तुकला, खेती-बाड़ी, नृत्य कला के बारे में बात की जाएगी ।	1.धागा और कागज़ की सहायता से एक कठपुतली बनाइए ।	
		JULY	वसंत - पाठ-5 मिठाईवाला पाठ-6 रक्त और हमारा शरीर(केवल पठन हेतु) पाठ-7 पापा खो गए । बालमहाभारत - पाठ-8 कर्ण, पाठ-9 द्रोणाचार्य ,पाठ-10 लाख का घर, पाठ-11पांडवों की रक्षा , पाठ-12 द्रौपदी-स्वयंवर, पाठ -13 इंद्रप्रस्थ व्याकरण -, क्रियाविशेषण, विलोमशब्द पर्यायवाचीशब्द, पत्रलेखन (अनौपचारिकपत्र) ,संवादलेखन	कहानी,कविता आदि पढ़कर लेखन के विविध तरीक़ों और शैलियों को पहचानते हैं, जैसे-कलात्मक भावात्मक, प्रकृति चित्रण आदि। विभिन्न स्थानीय सामाजिक एवं प्राकृतिक मुद्दों / घटनाओं के प्रति अपनी तार्किक प्रतिक्रिया देते हैं ।	1.अलग अलग तरह की मिठाइयों का चित्र अपनी उत्तर पुस्तिका में लगाइए 2.किन-किन फलों और सब्जियों को खाने से किस-किस विटामिन की पूर्ति होती है तालिका बनायें ।	

	PT-2 **Max M: 80** **(Weightage 80 m)**	AUGUST	वसंत - पाठ-8 शाम- एक किसान पाठ-9 चिड़िया की बच्ची (केवल पठन हेतु) पाठ-10 अपूर्व अनुभव बालमहाभारत - पाठ -14 जरासंध, पाठ 15 शकुनि का प्रवेश , पाठ-16 चौसर का खेल व द्रौपदी की व्यथा, पाठ -17 धृतराष्ट्र की चिंता पाठ -18 भीम और रहनुमान व्याकरण -उपसर्ग ,प्रत्यय,लिंग,वचन,कारक, अनुच्छेदलेखन,चित्रवर्णन	अपने अनुभवों को अपनी भाषा शैली में लिखते हैं। भिन्न संवेदनशील मुद्दों, विषयों जैसे- जाति, धर्म, रंग, जेंडर, रीति-रिवाजों के बारे में मौखिक रूप से अपनी तार्किक समझ को अभिव्यक्त करते हैं ।	1.नाटक को अभिनय के साथ कक्षा में कीजिये । 2.कविता को उत्तर पुस्तिका में लिखकर शाम का एक दृश्य प्रस्तुत कीजिए । 3.अपने जीवन से किसी ऐसी घटना का वर्णन कीजिए जिसमें लोगों का स्वार्थ दिखता हो ।	30 + 20 = 50% Of Annual Syllabus
		SEPTEMBER	वसंत - पुनरावृति बाल महाभारत - पाठ -19 द्वेष करने वाले का जी नहीं भरता पाठ -20 मायावी सरोवर पाठ- 21 यक्ष प्रश्न	बाल मनोभाव के विषय में चर्चा करते हुए बाल सुलभ व्यवहार का वर्णन करना।		

पाठ्यक्रम विभाजन (2023-24)

कक्षा -सप्तमी

विषय – संस्कृतं

माह	पाठ/प्रकरण	हटाए गए पाठ/प्रकरण
	प्रथम सत्र	
अप्रैल	1. सुभाषितानि 2. दुर्बुधि: विनश्यति	**पाठ -** **नोट : निम्नलिखित पाठ इस वर्ष पाठ्यक्रम से हटा दिए गए हैं । इनसे केवल गतिविधियाँ करवायी जाएंगी ।** **पाठ 4.हास्यबालकविसम्मेलनम्** **पाठ14.अनारिकाया: जिज्ञासा**
मई	3. स्वावलम्बनम् * मति शब्दरूप , * चर् धातु (तीनों लकार)	
जुलाई	5. पंडिता रमाबाई *संख्यावाची शब्द (1-30)	
अगस्त	6.सदाचार: 7.संकल्प: सिधिदायक:	
सितम्बर	पत्र लेखन- अनौपचारिक पत्र	

	द्वितीय सत्र	
अक्तूबर	8.त्रिवर्ण: ध्वज: 9.अहमपि विद्यालयं गमिष्यामि *कृ धातु (तीनों लकार) , *नदी शब्दरूप	**क्रियात्मक गतिविधि -** **प्रथम सत्र :-** **1.श्लोक पाठ** **2.श्लोक लेखन (A-4 शीट)** **द्वितीय सत्र :-** **1.अनौपचारिक पत्र (A-4शीट)** **2.संवाद लेखन (A-4 शीट)**
नवम्बर	10.विश्वबंधुत्वं 11.समवायो हि दुर्जय:	
दिसंबर	12.विद्याधनं 13.अमृतं संस्कृतं * संख्यावाची शब्द 31-50	
जनवरी	15. लालनगीतम् *वस् धातु (तीनों लकार) , * पितृ शब्दरूप	
फरवरी	*संवाद लेखन , पुनरावृत्ति	
मार्च	पुनरावृत्ति	

CLASS: 7 SUBJECT: ENGLISH

TERM - I

Month	Chapters / Poems	Grammar & Writing Skills Topics	Activities	Deleted Chapters & Poems
April	**HONEY COMB** L-1 Three Questions Poem - The Squirrel **AN ALIEN HAND** SR-1 The Tiny Teacher	Let us Revise 1 Nouns 2 Pronouns 3 Adjectives 4 Determiners Letter Writing (Formal)	Role Play Poem Recitation	
May	**HONEY COMB** L-2 A Gift of Chappals Poem - The Rebel **AN ALIEN HAND** SR-2 Bringing Up Kari	1 Verbs 2 Subject Verb Agreement 3 Letter Writing (Informal) Subject Verb Agreement Letter Writing (Informal) Notice Writing	Role Play Cartooning	
July	**HONEY COMB** L-3 Gopal and the Hilsa-Fish Poem - The Shed	1 Present Tense 2 Past Tense W Paragraph Writing	Role Play Musical Presentation	
August	**HONEY COMB** L-4 The Ashes That Made Trees Bloom Poem - Chivvy	1 Future Tense 2 Verbs- Auxiliaries and Modals 3 Punctuation Message Writing	Role Play Painting	**AN ALIEN HAND** SR-3 The Desert
September	**AN ALIEN HAND** L-5 Quality Poem - Tree SR-5 Golu Grows a Nose Revision of all Literature lessons and poems.	Adverbs Active and Passive Voice Story Writing	Cartooning	SR-4 The Cope and The Anthem SR-6 I Want Something In A Cage

TERM - II

Month	Chapters / Poems	Grammar & Writing Skills Topics	Activities	Deleted Chapters & Poems
October	**HONEY COMB** L-6 Expert Detectives Poem - Mystery of the Talking Fan SR-7 Chandni	1 Prepositions 2 More About Conjunctions	Role Play	
November	**HONEY COMB** L-7 The Invention of Vita - Wonk Poem - The Dad and The Cat and The Man Poem - Meadow Surprises **AN ALIEN HAND** L-8 The Bear Story	1 Reported Speech 2 Phrases and Clauses Speech Writing	Role Play Poster Making	**HONEY COMB** L-8 Fire: Friend and Foe
December	**AN ALIEN HAND** SR-9 A Tiger in the House **HONEY COMB** Poem - Garden Snake	1 Sentences- Simple, complex and Compound 2 Non - finites 3 Words often confused Diary Entry	Vocabulary Games Debate Origami Role Play	L-9 A Bicycle in Good Repair
January	**AN ALIEN HAND** SR-10 An Alien hand	1 Idioms and Proverbs 2 Synonyms and Antonyms 3 One Word Substitution	Sketching	
February	Revision	Revision Revision of all grammar and writing skills topics.		L-10 The Story of Cricket

BIFURCATION OF SYLLABUS(2023-24)
SUBJECT: MATHEMATICS
CLASS: VII

TEXT BOOK -NCERT MATHEMATICS

TERM I	ASSESSMENT	MONTH	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY	SYLLABUS COVERAGE	DELETED PORTION
APRIL TO SEPTEMBER	PT-1 **Max M:40 (Weightage 5 m)**	**April**	**1. INTEGERS**	➢ Recall number system ➢ Positive and negative numbers ➢ Addition, subtraction, multiplication and division of integers ➢ Properties ➢ Closure ➢ Commutative ➢ Associative Distributive	➢ Recall integers in order to differentiate between whole numbers and integers ➢ Represent integers on a number line and perform operations and verify properties ofintegers. ➢ Apply properties of addition, subtraction andmultiplication of integers and devise methodsfor easier calculation and solve problems based on real life related to integers. ➢ Apply properties of division of integers and ➢ Simplify arithmetic expressions.	To demonstrate multiplication of integers using number line.	30% of Term-1.	**EX 1.1, EX 1.3** (Introduction, Recall, Product of three or more negative numbers, making multiplication easier)
		May/ June	**2. FRACTIONS AND DECIMALS**	➢ Define fraction ➢ Addition, subtraction, Multiplication, Division of fractions and decimals ➢ Place value table of decimals Decimal conversions	➢ Define proper, improper and mixed fractionsin order to distinguish between them. Convert unlike fractions into like fractions in order to compare them. ➢ Multiply fractions in order to compare thevalue of the product with the original fractions. ➢ Divide two fractions in order to find thesmaller parts of the fraction.	To derive the rule of finding product of two fractions using paper folding method.		**EX 2.1, EX 2.5** (Introduction, How well have you learnt about Fractions, How well

					➢ Recall and apply concept of decimal representation and expansion in order toperform mathematical operations on decimal. ➢ Convert decimals into fractions in order to divide decimal number by another decimalnumber			have you learned about decimals)
		July	**3. Understanding Quadrilaterals**	➢ Definition of data ➢ Range ➢ Measure of central tendency ➢ Mean ➢ Median ➢ Mode ➢ Reading bar graph ➢ Construction of double bar graph ➢ Probability	➢ Collect, record and present data in order toorganize experiences and draw inferences from them. Organize raw data into tabularform in order to make data easier to interpret. ➢ Calculate arithmetic mean in order to find its position in the data. Calculate mode of the data in order to find the observation that occurs most often in the data set. ➢ Calculate median of the data in order to find the observation that lies in the middle of the data set. ➢ Represent data in a bar graph using appropriate scale in order to represent given information in form of a bar graph. Represent data using double bar graph in order to compare and discuss two collections of data at a glance.	To collect two sets of data, represent this through a double bar graph and interpret it.		**<u>Ex 3.4</u>** (Introduction, Collecting Data, Organisation of Data, Chance and Probability)
			4. SIMPLE EQUATION	➢ Setting up an equation ➢ Solving an equation ➢ Solution of an equation ➢ Applications of simple equations	➢ Use number and variable with different operations in order to express a real lifesituation in the form of a simple linear equation. ➢ Use trial and error method in order to determine the solution of a simple equation. ➢ Explain the first step to be taken in order toseparate the variable while solving the givenequation. Use the given solution in order toconstruct equations from it. ➢ Construct simple equations in order to	Construction of equations for problems related to real life situations.		**<u>Ex 4.3</u>** (From solution to equation)

					solve them for the given contextual problems/puzzle			
		August	**5. LINES AND ANGLES**	➢ Complementary angles ➢ Supplementary angles ➢ Adjacent angles ➢ Linear pair ➢ Vertically opposite angles ➢ Transversal Angles made by a transversal	➢ Recall the concept of line, line segment andangles in order to identify them in the given figure(s). ➢ Examine different angles in order to identify complementary angles. Examine different angles in order to identify supplementary angles. ➢ Examine different angles in order to determine the measure oftheir complement and supplement. ➢ Describe adjacent angles in order to	To verify that when two lines intersect, vertically opposite angles are equal.		**<u>Ex 5.1- Q 9 to Q12, Q13 (iii to v), Q 14</u>** (Adjacent angles, Linear pair, Vertically opposite angles)

					identify a pair of adjacent angles in the given angles. ➢ Examine different angles in order to identify linear pair. ➢ Describe vertically opposite angles and their property in order to identify them in the given figure. ➢ Identify different types of angles in order to determine the measure of unknown angles in the given figure. ➢ Discuss the different angles made by a transversal and intersecting lines in order toidentify them in the given figure. Use the properties of angles made by a transversal of parallel lines in order to determine the measure of unknown angles.			
	PT-2 **Max M:80** **(Weightage 80 m)**		**6.** **THE TRIANGLE AND ITS PROPERTIES**	➢ Median ➢ Altitudes ➢ Angle sum property ➢ Exterior angle property ➢ Triangle inequality Pythagoras theorem	➢ Compare different triangles in order to classify them on the basis of their sides andangles. ➢ Recall the parts of a triangle in orderto describe it for the given triangle. Describemedian and altitude of a triangle in order to identify it for the given triangle. ➢ Apply the exterior angle property of a triangle in order to find the measure of the unknown angle in the given triangle. ➢ Apply the angle sum property of a triangle in orderto find the measure of	To verify the angle sum property of a triangle.		**<u>No Deletion</u>**

					unknown angle. ➢ Apply the property of lengths of sides of a triangle in order to determine whether a triangle is possible for the given side lengthsor not. ➢ Apply the Pythagoras property in order to verify whether the triangle for the given sidelengths will be right angled triangle or not. ➢ Apply the Pythagoras property in order to fine the length of the unknown side in a right-angled triangle			
			7. CONGRUENCE OF TRIANGLES	➢ Congruency of plane figures ➢ Congruent line segments ➢ Congruent angles ➢ Congruence of triangles ➢ SSS ➢ SAS ➢ ASA ➢ RHS Criteria	➢ Experiment superposition of different lengths in order to understand congruenceof two line segments and vice versa. ➢ Use SSS, SAS, ASA, RHS Congruence criterionin order to examine whether the given triangles are congruent or not.		30+20=50% of Annual Syllabus	Full Chapter deleted
		September	**8. COMPARING QUANTITIES**	➢ Comparing by division ratio ➢ Percentage ➢ Application of percentages to profit and loss Simple interest	➢ Convert ratios into like fractions and compare them in order to identify equivalent ratios. ➢ Represent equal ratios inproportion in order to find missing term(s). ➢ Convert denominators of fractions into 100in order to represent them in percentages. ➢ Convert fractional numbers to percentage inorder to make comparing of quantities easier. ➢ Convert decimal numbers to percentage in order to make comparing of quantities easier. ➢ Convert percentages to fractions or	Collection of 5 different bills and finding the following quantities: SP, Profitor Loss		**Ex 8.1** (Introduction, Equivalent ratios)

					decimals in order to solve real life problems. ➢ Calculate increase or decrease in quantity aspercentage in order to examine change in quantity based on real life problems. ➢ Calculate cost and selling price in order to determine profit/loss percentage. ➢ Understand the concept of simple interest inorder to interpret word problems. ➢ Make useof percentage in order to calculate simple interest for multiple years.			
TERM-2 OCT TO MARCH	**PT-3** **Max M:40** **(Weightage 5 m)**	**October**	**9. RATIONAL NUMBERS**	➢ Need for rational numbers ➢ +ve and –ve rational numbers ➢ Rational numbers on number line ➢ Rational numbers in standard form ➢ Comparision of rational numbers ➢ Operations on rational numbers	➢ Define rational numbers in order to classify anumber as a rational number. Represent integers in the form of numerator/denominator where denominator is non-zero in order to define rational numbers. Multiply numerator and denominator by same non-zero integer in order to find equivalent rational numbers. ➢ Define positive and negative rational numbers in order to classify a number as either of them. Construct a number line in order to represent rational numbers on it. Simplify rational number such that there isno common factor between numerator anddenominator in order to represent the number in standard form. Determine the distance of a rational number from 0 in order to compare them. ➢ Calculate and find rational numbers between any 2 rational numbers in order to infer that there are infinite rational numbers between any 2 given rational numbers. Apply the rules of rational numbers operations in order to	To add/ subtract two rational numbers using Graph sheet.	30% of Term-2	No topic deleted

					simplify arithmetic operations.			
		Novemb er	**10. PRACTICA L GEOMETR Y**	Construction of line parallel to a given line through a point not on the line ➢ Construction of triangles ➢ SSS ➢ SAS ➢ ASA ➢ RHS criteria	➢ Use a ruler and compass in order to construct a line parallel to another line through a point not on the line. List and execute steps in order to construct a trianglegiven the measures of its three sides. ➢ List and execute steps in order to construct atriangle when any of its two lengths and an angle between them is given. List and execute steps in order to construct a trianglewhen any of its two angles and the side included between them is given. ➢ List and execute steps in order to construct aright-angled triangle when the length of one leg and its hypotenuse are given. Examine the given information in order to determineif construction of a triangle from it is possible or not.	To examine the possibility of construction of a triangle with the given parameters.		Full Chapter deleted

			11. PERIMETER AND AREA	➢ Square and rectangles ➢ Triangles and parts of rectangles ➢ Perimeter of square rectangle and triangle ➢ Area ➢ Area of rectangle, square and triangle ➢ Circumference of a circle ➢ Area of a circle	➢ Describe the area and perimeter of plane figures in order to find the same for squareand rectangle. ➢ Develop and apply a formulain order to determine the area of triangle ashalf of the area of a rectangle. ➢ Use unit square grid sheets in order to find the perimeter and estimate the area of parallelogram. ➢ Develop and apply a formula in order to determine the area of aparallelogram. ➢ Compare the area of a triangle and its corresponding parallelogram in order todiscuss their relation. ➢ Use direct or indirect measurements in order to describe the relationships among radius, diameter, and circumference of circles. Investigate different circumference of circles and compare them with their respective diameter in order to relate circumference to Pi. ➢ Use direct or indirect methods to find the circumference of circle,semicircle. ➢ Develop and apply the formula inorder to find the area of a circle and semicircle. ➢ Examine area and perimeter of different ➢ figures in order to find solution for real lifeproblems	➢ To derive the formula to find area of a circle.		**<u>Ex 11.1, Ex 11.4</u>** (Introduction, squares and rectangles, Triangles as parts of rectangles, generalizing for other congruent parts of rectangles, conversion of units, applications)

		December	**12. ALGEBRAIC EXPRESSIONS**	➢ How are expressions formed ➢ Terms of expression ➢ Coefficients ➢ Like and unlike terms ➢ Monomial, binomial, trianomials and polynomials ➢ Addition and subtractions of algebraic expressions ➢ Finding the value of an expression	➢ Describe algebraic expressions in order todistinguish them from arithmetic expressions. Combine variables and constants in order to form an algebraic expression for the given statement. ➢ Examine the given algebraic expression in order to determine its terms and their factors. ➢ Examine the given algebraic expressions in order to distinguish betweenthe terms which are constants and those which are not. ➢ Examine the given algebraic expressions in order to classify them as monomial, binomial, trinomial, polynomial. ➢ Combine like terms in order to simplify the given algebraic expression. ➢ Add algebraic expressions in order to determine their sum.Subtract the given algebraic expressions in order to determine their difference. ➢ Use the given algebraic expression in order to complete the table of number patterns orfind its nth term. ➢ Examine the pattern in order to verify whether the given algebraic expression satisfies the shown pattern or not.	➢ To differentiate like and unlike terms using card game.		**<u>Ex 12.2, Ex 12.4</u>** (Addition and subtraction of algebraic expressions, using algebraic expressions formulas and rules)
			13. EXPONENTS AND POWERS	➢ Exponents ➢ Laws of exponents ➢ Miscellaneous examples using the laws of exponents Expressing large numbers in the standard form	➢ Describe exponential form of numbers in order to express numbers in exponential notation. Examine the exponential form ofthe given number in order to identify its base and exponent. Examine the numbersgiven in exponential form in order to compare and represent them in an order.Find prime factors	To find the value of a^n (where a and n are natural numbers) using paper folding		No topic deleted

					of numbers in order toexpress them as the product of powers ofprime factors. ➢ Apply laws of exponents in order to simplifya given expression. ➢ Write numbers using powers of 10 in orderto express them in standard form. Expandthe given number using powers of 10 in order to express it in the exponent form. Represent large numbers in exponential form in order to read, understand and compare them easily			
		January	**14. SYMMETRY**	➢ Introduction ➢ Line symmetry for regular polygons ➢ Rotational symmetry	➢ Determine lines of symmetry for the given figures in order to classify them on the basisof no. of lines of symmetry. ➢ Examine regularpolygons in order to determine their lines ofsymmetry. ➢ Complete the mirror reflection of the givenfigures along the mirror line (i.e., the line of symmetry) in order to identify the figure. ➢ Examine the given figure in order to determine its angle of rotation. ➢ Examine thegiven figure in order to determine its order of rotation. ➢ Examine the given figures in order toidentify figures which have both line symmetry as well as rotational symmetry	➢ To find the order of rotational symmetry of a given figure.		No topic deleted

			15. VISUALISING SOLID SHAPES	➢ Introduction ➢ Plane figures and solid shapes ➢ Cross-section of 3d shapes ➢ Nets for building 3d shapes ➢ Viewing different sections of a solid	➢ Examine different solid shapes in order to identify and count their number of faces, edges and vertices. ➢ Examine oblique sketches in order to visualize all the faces ofa solid shape. ➢ Draw 3D objects in 2D in order to visualizesolid objects from different perspectives. ➢ Examine cross sections of different solid shapes in order to interpret and visualize different planes. ➢ Examine the different figures formed by changing the angle of shadows formed in order to visualise solid figures.	➢ Making 3 D shapes using nets.		**<u>Ex 15.2</u>** (Oblique sketches, isometric sketches)
11		**February**	**Revision**					
12	**ANNUAL EXAMINATION Max M:80 (Weightage 80 m)**	**March**	**Annual Exam and Results**				20% of Term-1 + Entire syllabus of Term-2	

Class: VII

Subject: Science

Month	Chapter Name/no	Subject Enrichment Activities(lab Activity/Map Activity/Workbook)	Learning Outcome
April	L-1Nutrition In Plants L-2 Nutrition In Animals	*Test of starch. *Skit on digestive system of human beings.	*Understanding the different mode of nutrition in plants. *Understanding the nutrition and steps of nutrition in animals.
May	L-4Heat	*Demonstration: Clinical and Laboratory Thermometer	* Understanding the different modes of heat transfer.
July	L-5Acids,Bases and Salts	*Demonstration: Test of acid and base. *Prepare strip of turmeric and china rose indicator	* Classify Acids, Bases and Salts.
PT1	**CH-1,2 ,4**		
Aug	L-6 Physical and Chemical Changes L-10 Respiration in Organisms	*Demonstration: Physical (melting of ice) & Chemical change (burning of paper). *Video on respiratory system of human beings. * Make model of human lungs.	* Identifying different types of changes *Classify aerobic and anaerobic respiration.
Sept	L-11 Transportation In Animals and Plants Revision	* Video on Circulatory System and Excretory System of human beings.	*Understanding transportation in plants and animals.
Half Yearly		**L-1,2,4,5,6,10**	

Oct	L-12 Reproduction In Plants	*Video on vegetative, asexual and sexual reproduction.	*Understanding the various modes of reproduction & seed dispersal
Nov	L-13 Motion and Time L-14 Electric Current and Its Effects	*Model: Sand clock. *To make an Electromagnet.	*Understanding the importance of measurement of time and types of motion. * Effects of current *Construct electric circuit.
Dec	L-15 Light	*Demonstration: concave and convex mirror & concave and convex lens.	*Uses of mirrors and lenses.
PT-2		**11,12,13,**	
Jan	L-17 Forest our life line	*Video – deforestation. reforestation and afforestation Activity- Plant a tree in your neighborhood	Understanding the ecosystem of the forest
Feb	**Revision**		
March	**L-11,12,13,14,15,17**		

CH-3FIBRE To FABRICS, CH-7 WEATHER, CLIMATE AND ANIMAL ADAPTATION, CH-8 WINDS, STORMS & CYCLONES, CH-9 SOIL &CH-16 WATER- A PRECIOUS RESOURCE ARE FULLY DELETED FORM SYLLABUS

SPLIT UP SYLLABUS 2023-24

CLASS-VII SOCIAL SCIENCE

MONTH	CHAPTER NAME	REMOVED/PROJECT BASED CHAPTERS
APRIL	**HISTORY** CH 1-Tracing changes throughа thousand of years. **GEOGRAPHY** Ch 1-Environment Ch 2- Inside our Earth **CIVICS** Ch 1- On Equality	
MAY	**HISTORY** Ch 2- New Kings and Kingdoms Ch 5Rulers and Buildings(PROJECT) **GEOGRAPHY** Ch 3-Our Changing Earth Ch 4- Air **CIVICS** Ch 4- Growing up as boys andgirls(PROJECT)	**HISTORY** Ch 5 Rulers and Buildings (PROJECT) **CIVICS** Ch 4- Growing up as boys andgirls(PROJECT)

JULY	**CIVICS** Ch 2- Role of the governmentin health Ch 3- How the stategovernment work **HISTORY** Ch 3- The Delhi Sultanate	
AUGUST	**HISTORY** Ch 4- The Mughal Empire Ch 6- Town Trade andcrafts people **GEOGRAPHY** Ch 5- Water	
SEPTEMBER	**HISTORY** Ch 7- Tribes,Nomads and settledcommunities **CIVICS** Ch 5- Women change theworld	REVISION FOR HALFYEARLY
OCTOBER	**HISTORY** Ch 8- Devotional paths to the Divine **GEOGRAPHY**	
	Ch 6- Natural Vegetation andWildlife Ch 7- The human environment-settlement, transport and communications(PROJECT)	Ch 7- The human environment-settlement, transport and communications(PROJECT)

NOVEMBER	**GEOGRAPHY** Ch 8- Human environment interactions: The tropical andsub tropical regions Ch 9- Life in the temperate grasslands **CIVICS** Ch 6- Understanding media Ch 7- Understanding Advertisement and media	**GEOGRAPHY** Ch 9- Life in the temperategrasslands(DELETED) **CIVICS** Ch 7- Understanding Advertisement and media(DELETED)
DECEMBER	**CIVICS** Ch 8- Market around us **HISTORY** Ch 9- The making of RegionalCultures Ch 10- 18th century politicalformations	
JANUARY	**GEOGRAPHY** Ch 10- Life in the deserts **CIVICS** Ch 9- A shirt in the market	
FEBRUARY	REVISION	
MARCH	**TERM END EXAM**	
	TOTAL CHAPTERS-27	

ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN
SESSION: 2023 - 24
COMPLETE SPLIT UP SYLLABUS OF COMPUTER
CLASS : VII

Sl.NO	MONTH	Name of the Chapter
		TERM-I
01	APR	CH – 1 Number System
02	MAY	CH – 2 Computer Virus
03	JUL	CH – 3 Animate – Layers and Animation
04	AUG	CH – 4 Photoshop – Introduction
05	SEP	CH – 5 Photoshop – Working with Layers
		TERM-II
06	OCT	CH – 6 Ethics and Safeguard
07	NOV	CH – 7 HTML5 – Creating Web Pages
08	DEC	CH – 8 HTML5 – Images, Links & Tables
09	JAN	CH – 9 Python Conditional Control Structures and Turtle
10	FEB	CH-10 AI for Sustainable Development Goals

BIFURCATION OF SYLLABUS (2023-24)
SUBJECT: - HINDI
CLASS - VIII

TERM 1	ASSESSMENT & Syllabus coverage	MONTH	WORKING DAYS	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY
APRIL TO SEPTEMBER	PT-1 Max M: 40 (Weightage 5m) **30% OF TERM 1**	April	15	पाठ 1	वसंत (ध्वनि) (केवल पढ़ने के लिये) व्याकरण :भाषा एवं उसके भेद **रचनात्मक लेखन** अनुच्छेद लेखन	➢ जागरूकता का महत्व ➢ उत्साह पूर्ण जीवन ➢ आलस्य के दुष्परिणाम मानव को जीवन के प्रति आशावाद रहने की प्रेरणा	वसंतऋतु पर अनुच्छेद ***प्रपत्र***
		JUNE	15	पाठ 2	लाख की चूड़ियाँ	➢ ग्रामीण एवं शहरी जीवन में अंतर ➢ घरेलू उद्योग धंधों की जानकारी ➢ प्राचीन काल में वस्तु विनिमय द्वारा किए जा रहे व्यापार पद्धति से परिचय कराना	लाख की वस्तुओं का निर्माण भारत के किन किन राज्यों में होता है?सूची बनाइए / ग्रामीण जीवन के विषय पर अपने विचार व्यक्त कीजिए।
				पाठ 3	बस की यात्रा	➢ साहित्य की व्यंग्य विधा से परिचित होना	यात्रा - वृतांत (अपने जीवन की किसी ऐसी अपूर्ण यात्रा जो आपको अभी भी याद आती हो । 100-150 शब्दों में लिखिए)

				भारत की ख़ोज व्याकरण	अहमद नगर का किला पत्र लेखन विलोम शब्द अनेक शब्दों के लिए एक शब्द, वाच्य	➢ आत्म विश्लेषण कर अपने स्वत्व के प्रति जागरूकता ➢ तर्क पूर्ण विचार धारा के साथ भाव सम्प्रेषण तनाव को दूर करने व उससे मुक्ति पाने में सक्षम *दूसरों के साथ वार्तालाप तथा प्रतिक्रिया करने की योग्यता।*	*प्रपत्र*
		JULY	23	पाठ 4	भगवान के डाकिए	➢ प्रकृति के माध्यम से एकता का संदेश ➢ पर्यायवाची शब्द	प्रकृति से संबन्धित कविता अपने शब्दोंमें लिखना
				पाठ 5	चिट्ठियों की अनूठी दुनिया (केवल पढ़ने के लिए)	-	*ओपन बुक टेस्ट*
				पाठ 6 व्याकरण रचनात्मक लेखन भारत की ख़ोज	दीवानों की हस्ती कारक एवम् उसके भेद ➢ कहानी लेखन ➢ तलाश	➢ स्वतंत्रता के लिए बलिदान देने वालों को नमन ➢ देश प्रेम की भावना ➢ मानव- जीवन की विभिन्न समस्याओं और संवेदनाओं को व्यक्त करना ➢ भावों को कलात्मक रूप से अभिव्यक्त ➢ भारत की विविधता में एकता की जानकारी	किसी एक स्वतंत्रता सैनानी की जीवनी पढ़करअपने विचार कक्षा में साझा करिये । अपने किसी दूर के रिश्तेदार को अपने राज्य की सुंदरता का बखान करते हुए यहाँ आने का निमंत्रण पत्र

	HALF YEARLY **(AUGUST to SEPTEMBER)** **50% of Entire syllabus**	AUGUST	**24**	**पाठ 7**	➢ **क्या निराश हुआ जाए**	➢ **जीवन में मेहनत व ईमानदारी का महत्व** ➢ **सफलता प्राप्त करने के लिए आशा व सकरात्मक सोच**	**जीवन में सकारात्मक होना कितना आवश्यक है । इस पर निबंध लिखिए**
				पाठ 8	➢ **यह सबसे कठिन समय नहीं (केवल पढ़ने के लिए)**	➢ **पठन कौशल का विकास**	
				पाठ 9 **व्याकरण** **रचनात्मक लेखन**	➢ **कबीर की साखियाँ** ➢ **उपसर्ग एवं प्रत्यय** ➢ **विराम चिन्ह** ➢ **क्रिया विशेषण** ➢ **संवाद लेखन** ➢ **सूचना लेखन**	➢ **ईश्वर की सर्व व्यापकता का संदेश** ➢ **सभी धर्मों का सम्मान** ➢ **प्रेम पूर्वक व्यवहार का संदेश** ➢ **शब्द भंडार की अभिवृद्धि** ➢ ***क्रम और तर्कसम्मत (अर्थपूर्ण) रूप से विचार व्यक्त करना***	**आज के युग में कबीर कितने प्रासंगिक हैं विषय पर वाद-विवाद ।** ***प्रपत्र*** **अपने विद्यालय वार्षिकोत्सव के बारे में अन्य छात्रों को सूचित करने हेतु एक सूचना लिखिए**

	PT-2 Max M: 80 (Weightage 80 m) 30 + 20 = 50% Of Annual Syllabus	SEPTEMBER	22	पाठ 10 पाठ 11 भारत की ख़ोज रचनात्मक लेखन	➢ कामचोर ➢ जब सिनेमा ने बोलना सीखा (केवल पढ़ने के लिए) ➢ सिन्धुघाटी सभ्यता ➢ विज्ञापन लेखन	➢ परिवारिक दायित्वों के प्रति सचेत रहने की प्रेरणा ➢ बाल सुलभ समस्याओं के समाधान के प्रति सुझाव। ➢ पठन कौशल का विकास ➢ इतिहास में सभ्य मानव जाति के विकास की परंपरा से परिचित कराना ➢ ऐतिहासिक एवं पौराणिक ग्रन्थों का ज्ञान ➢ विशेष छूट और मूल्य परिवर्तन की जानकारी देना, उपभोक्ता मांग में वृद्धि करना, खरीदने और अपनाने की प्रेरणा देना	आपके जीवन की कोई गलती जिससे आपको कोई सीख मिली हो । अपने विचार कक्षा में साझा करें । सामान्य ज्ञान प्रश्न /QUIZ *प्रपत्र*
TERM 2	PT-3 Max M: 40 (Weightage 5m)	**October**	**14**	पाठ 12	➢ सुदामा चरित	➢ सच्चे मित्र के व्यवहार की मानव जीवन में उपयोगिता ➢ स्नेह एवं सौहार्द की भावना ➢ संबंधों की प्रगाढ़ता	*सच्चे मित्र की पहचान पर अपने विचार कक्षा में रखें*

				पाठ 7	➢ क्या निराश हुआ जाए	➢ जीवन में मेहनत व ईमानदारी का महत्व ➢ सफलता प्राप्त करने के लिए आशा व सकरात्मक सोच	जीवन में सकारात्मक होना कितना आवश्यक है । इस पर निबंध लिखिए
				पाठ 8	➢ यह सबसे कठिन समय नहीं (केवल पढ़ने के लिए)	➢ पठन कौशल का विकास	
	HALF YEARLY **(AUGUST to SEPTEMBER)** **50% of Entire syllabus**	AUGUST	**24**	पाठ 9 व्याकरण रचनात्मक लेखन	➢ कबीर की साखियाँ ➢ उपसर्ग एवं प्रत्यय ➢ विराम चिन्ह ➢ क्रिया विशेषण ➢ संवाद लेखन ➢ सूचना लेखन	➢ ईश्वर की सर्व व्यापकता का संदेश ➢ सभी धर्मों का सम्मान ➢ प्रेम पूर्वक व्यवहार का संदेश ➢ शब्द भंडार की अभिवृद्धि ➢ *क्रम और तर्कसम्मत (अर्थपूर्ण) रूप से विचार व्यक्त करना*	आज के युग में कबीर कितने प्रासंगिक हैं विषय पर वाद-विवाद । *प्रपत्र* अपने विद्यालय वार्षिकोत्सव के बारे में अन्य छात्रों को सूचित करने हेतु एक सूचना लिखिए

				भारत की खोज	➢ अंतिम दौर 1 , 2	➢ 1857 की क्रांति कर मूल कारण ➢ भाषण दक्षता ➢ वाक निपुणता	समाचार प्रस्तुति
				व्याकरण	➢ पद परिचय	➢ व्याकरण के सभी घटकों की पहचान	*प्रपत्र*
		JANUARY	22	पाठ 15	➢ सूर के पद	➢ हिंदी साहित्य में कृष्ण भक्ति धारा के कवियों के प्रति जानकारी ➢ जीवन को सरस बनाने की रोचकता को समझना ➢ अभिव्यक्ति कला में निपुण ➢ गायन कला	कृष्ण के विभिन्न नामों की सार्थकता को देखते हुए अपने नाम का अर्थ बताइए
				पाठ 16 भारत की खोज	➢ पानी की कहानी ➢ तनाव	➢ पर्यावरण सजगता ➢ प्रकृति के सभी तत्वों की जानकारी ➢ जल की महता ➢ भारत छोड़ो आन्दोलन के कारणों की जानकारी ➢ तनाव को दूर करने और उस से मुक्ति पाने में सक्षम हो सकेंगे I	जल ही जीवन है इस विषय पर अनुच्छेद लिखिए / पोस्टर बनाएं तनाव से मुक्ति हेतु सुझाव देते हुए मित्र को पत्र लिखिए ।

	ANNUAL EXAMINATION Max M: 80 (Weightage 80 m) 30 % of Term 1 + Entire syllabus of Term 2	**FEBRUARY**	**22**	**पाठ 17** **पाठ 18**	➢ **बाज और साँप** ➢ **टोपी (केवल पढ़ने के लिए)**	➢ **स्वाभिमान , स्वतंत्रता ,स्फूर्ति जैसे गुणों का विकास** ➢ **जीवन में सकारात्मकता आवश्यक है** ➢ **पर्यावरण व अन्य जीवों के प्रति सजगता**	अपने व्यक्तित्व के बारे में एक आत्मचिंतन लिखें ***ओपन बुक टेस्ट***
		MARCH	**23**			**पुनरावृत्ति / ANNUAL EXAM**	

- कक्षा VIII की पाठ्यपुस्तकों में पुनर्संयोजित पाठ्य सामग्री की सूची (AS PER N.C.E.R.T.)
- 846 - वसतं भाग-3 अध्याय का नाम हटाए गए विषय या अध्याय- **(इन पाठों का प्रयोग केवल क्रियाकलाप के लिए ही किया जायेगा , इनमें से परीक्षा में प्रश्न नहीं पूछे जायेंगे)**
- **अध्याय** 1 – **ध्वनि**
- **अध्याय** 5 – **चिट्ठियों की अनठी**
- **अध्याय** 10 – **कामचोर**
- **अध्याय** 11 – **जब सिनेमा ने बोलना सीखा**
- **अध्याय** 18 – **टोपी**

पाठ्यक्रम विभाजन (2023-24)

कक्षा -अष्टमी

विषय – संस्कृतं

माह	पाठ/प्रकरण	हटाए गए पाठ/प्रकरण
	प्रथम सत्र	
अप्रैल	1.सुभाषितानि 2.बिलस्य वाणी न कदापि मे श्रुता *अस्मद् शब्दरूप , *पा धातु (तीनों लकार)	नोट:- निम्नलिखित पाठ इस वर्ष पाठ्यक्रम से हटा दिए गए हैं	इनसे केवल गतिविधियाँ करवायी जाएंगी | पाठ -15.प्रहेलिका
मई	3.डिजीभारतम् *संख्यावाची शब्द (51-75)	
जुलाई	4.सदैव पुरतो निदेहि चरणम् *खाद् धातु (तीनों लकार)	
अगस्त	5.कण्टकेनैव कण्टकम् 6.गृहं शून्यं सुतां बिना	
सितम्बर	7.भारतजनताऽहम् * चित्र वर्णन	

	द्वितीय सत्र	क्रियात्मक गतिविधि - प्रथम सत्र :- 1.श्लोक पाठ 2.श्लोक लेखन (A-4 शीट) द्वितीय सत्र :- 1.चित्र वर्णन (A-4शीट) 2.औपचारिक पत्र (A-4 शीट)
अक्तूबर	8.संसार सागरस्य नायका: 9.सप्तभगन्य: * युष्मद् शब्दरूप	
नवम्बर	10.नीतिनवनीतम् 11.सावित्री बाई फूले * संख्यावाची शब्द (75-100)	
दिसंबर	12. क: रक्षति क: रक्षत: 13.क्षितौ राजते भारतस्वर्णभूमि: *हस् एवं रक्ष् धातु (तीनों लकार)	
जनवरी	14.आर्यभट्ट:	
फरवरी	* औपचारिक पत्र , पुनरावृति	
मार्च	पुनरावृति	

		ARMY PUBLIC SCHOOL BIRPUR			
		UPDATED SPLIT -UP SYLLABUS (SESSION:2023-24)			
		CLASS: 8 SUBJECT: ENGLISH			

Month	**Chapters / Poems**		**Grammar & Writing Skills**	**Activities**	**Deleted Chapters & Poems**
April		**HONEY DEW**	**Topics**		
	L-1	The Best Christmas Present In The World	1 Determiners	Role Play	
		Poem - The Ant And The Cricket	2 Biographical Sketch Writing	Poem Recitation	
			3 Verbs		
		IT SO HAPPENED			
	SR-1	How The Camel Got His Hump			
May		**HONEY DEW**	1 Adverbs		
	L-2	The Tsunami	2 Diary Entry		
		Poem – Geography Lesson	3 Modals	Role Play	
		IT SO HAPPENED			
	SR-2	Children At Work		Cartooning	
July			1 Tenses		**HONEY DEW**
		HONEY COMB	2 Article Writing	GD	
		Glimpses of the past	3 Letter Writing (Formal &		
	L-3		Informal)		
	L-4	BipinChoudhary's Lapse Of Memory		Musical Presentation	Poem –Macavity : The Mystery Cat
		Poem – The Last Bargain			
August		**HONEY DEW**	1 Descriptive paragraph (writing about a		
	L-5	TheSummit Within	2 Subject – Verb Agreement person)	Role Play	
		Poem –The School Boy			
		IT SO HAPPENED			
	SR-3	The Selfish Giant		Painting	
September		**IT SO HAPPENED**	1 Simple Complex And Compound		
	SR 4	The Treasure Within	sentences 2 Article writing	Cartooning	
	SR 5	Princess September	3 Reported Speech(statement ,commands and		
		Revision of all Literature lessons and poems.	request)	Weaving The Yarn	

TERM - II

Month	Chapters / Poems		Grammar & Writing Skills Topics		Activities	Deleted Chapters & Poems
October		**HONEY DEW**	**1**	Voice - Active and Passive		SR -7 IT SO HAPPENED
	L-6	This is Jody's Fawn	2	Prepositions	Role Play	L -7 The Open Window
		The Duck & The Kangaroo	3	Paragraph writing	GD	HONEY DEW
						Poem- When I Set Out for Lyonnesse
November		**HONEY DEW**	1	More about Conjunctions		
	L-7	A Visit to Cambridge	2	Reported Speech	Role Play	
		IT SO HAPPENED				
	L-8	Jalebis	3	Phrases and Clauses	Poster Making	IT SO HAPPENED
		IT SO HAPPENED				L -9 The Comet I&II
	L-6	The Fight				
December		**HONEY DEW**	1	Sentences- Simple, complex and Compound	Debate	
	L-8	A short Monsoon Diary	2	Story writing	Origami	
		On the Grasshopper and Cricket	3	Descriptive paragraph writing (event)	Vocabulary Games	
					Role Play	
January		**IT SO HAPPENED**				HONEY DEW
	SR-10	10. Ancient Education System Of India	1	Comprehension	Sketching	L- 9 The Great Stone Face I&II
				Revision of all grammar and writing skills topics.		
February		Revision		Revision		

BIFURCATION OF SYLLABUS (2023-24)
SUBJECT: - MATHEMATICS
CLASS: - VIII

TEXT BOOK – NCERT MATHEMATICS

TERM I	ASSESSMENT	MONTH	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY	SYLLABUS COVERAGE	DELETED TOPICS
APRIL TO SEPTEMBER	PT-1 **Max M:40 (Weightage 5 m)**	**April**	1. **Rational numbers**	Introduction to Rational Numbers	➢ Define rational number, additive and multiplicative identity of rational numbers ➢ Apply the properties of natural numbers, whole numbers and integers with respect to all the arithmetic operations and extend them for rational numbers. ➢ Apply Distributive property of multiplication over addition for rational numbers and simplify a given expression.	Pick and locate rational numbers in the number line.	30% of Term-1.	Ex 1.1-Q2, 4, Ex 1.2 (Negative of a number, reciprocal, representation of rational numbers on number line, rational numbers between two rational numbers)
				Representation of Rational Numbers on the Number Line	➢ Extend the concepts of number line and represent rational number on the number line.			
				Rational Numbers between Two Rational Numbers	➢ Calculate and find rational numbers between any two rational numbers and prove that there are infinite rational numbers between any two given rational numbers.			
			2. Linear equations in one variable	Meaning of Linear Equation in one variable and its solution	➢ Identify the variable(s) and the highest power of the variable in a given algebraic equation and distinguish whether it is a linear equation in one variable or not. ➢ Substitute the given values of variable and verify whether it is the solution of the equation or not.	To solve some linear equation in one variable using paper cut outs.		Ex 2.1, Ex 2.2, Ex 2.4, Ex 2.6 (Solving equations which have linear Expressions on one side and number on other, some applications, some more

				Solving Equations which have Linear Expressions on one Side and Numbers on the other Side	➢ Transpose terms to the other side and solve linear equations which have linear expression on one side and numbers on the other side.			applications, equations reducible to linear form)
		June	**2. Linear equations in one variable (Cont.)**	Applications of Linear Equations with one variable	➢ Write simple contextual problems as linear equations in one variable and find its solution.			
				Solving Equations having the Variable on both Sides	➢ Transpose terms to the other side in order to solve linear equations in one variable which have variable on both sides.			
				Reducing Equations to Simpler Form	➢ Simplify the given linear equation in one variable and solve them.			
				Equations Reducible to the Linear Form	➢ Use cross multiplication and reduce certain equations into their linear form.			
		July	**3. Understanding quadrilaterals**	Classification of Polygons	➢ List the properties of a polygon in order to classify the given figures as a polygon and the properties of different types of polygons and classify them as regular or irregular, concave or convex.	To design a floor tile pattern using different types of quadrilaterals (ART)- TESSELLATION		Ex 3.1 (Introduction, Polygons, Classification of polygons, diagonals, angle sum property)
				Angle sum property of polygons	➢ Recall the angle sum property of triangle in order to extend it for quadrilaterals. ➢ Relate the angle sum property of triangle and quadrilateral in order to extend it for an n-sided polygon. ➢ Apply angle sum property of a quadrilateral in order to find the measure of the unknown angle in a given quadrilateral			

				Sum of the Measures of the Exterior Angles of a Polygon	➢ Apply exterior angle property of a polygon in order to find the measure of the unknown angle in a given figure			
				Kind of Quadrilaterals	➢ List the properties of quadrilaterals in order to classify them as trapezium, kite and parallelogram			
				Some special Parallelograms	➢ Discuss the properties of a parallelogram, rhombus, rectangle, square.			
			4. Practical geometry	Constructing a Quadrilateral	➢ Discuss and list the minimum number of elements required in order to construct a unique quadrilateral. ➢ List and execute steps of construction in order to construct a quadrilateral given information	Construction of Quadrilaterals Parallelogram, Rhombus, Quadrilaterals		<u>Full Chapter deleted</u>
				Some Special Cases	➢ Identify the minimum number of elements required in order to construct special cases of quadrilaterals			
		August	**5. Data handling**	Looking for Information	➢ Recall the different types of graphical representation (namely pictograph, bar graph and double bar graph) of data in order to represent the given data in the most suitable representation and interpret them	Make a survey in your locality to find the following: **1.** How many old age people are there. **2.** Number of children below 5 years. **3.** Number oF women and men. **4.** Number of CANDIDATES ELIGIBLE FOR VOTING Draw a **Bar Graph** for the above data.		<u>Ex 5.1</u> (Organising data, grouping data, Bars with difference)
				Organising raw data	➢ Use tally marks in order to organise the given raw data in a frequency distribution table			
				Grouping data	➢ Use tally marks in order to prepare a grouped frequency distribution table for large ungrouped data ➢ Construct histogram in order to represent the given grouped data and discuss the elements of the given histogram in order to interpret it			
				Circle graph or Pie Chart	➢ List and execute steps of construction in order to construct a circle graph and read a given circle graph in order to infer a variety of information from it			

				Chance and Probability	➢ List all the possible outcomes of an experiment in order to define the equally likely outcomes ➢ List all the possible outcomes of an event in order to calculate the probability of a given event	Reprsent these data in as a **Pie Chart** and **Histogram** for the marks obtained.		
			6. Squares and square roots	Properties of Square Numbers	➢ Define perfect squares in order to classify the given numbers as perfect squares or non-perfect squares ➢ Observe the number in order to find the unit place of its square, different number patterns in order to deduce square numbers ➢ Use the rule that there are exactly 2n non-perfect square numbers between the squares of the number n and (n+1) in order to find how many numbers, lie between the squares of the given two consecutive numbers	Calculating square of a given number using pattern and verifying it numerically.		Ex 6.4-Q2 (Estimating Square roots)
				Finding the Square of a Number	➢ Use the rule that a perfect square number (n^2) can be written as the sum of first n odd natural numbers in order to distinguish between square and non-square numbers ➢ Use Pythagoras theorem in order to find the Pythagorean triplet			
				Square Roots	➢ Apply inverse operations on a given perfect square in order to deduce square root of this number ➢ Use method of repeated subtraction, prime factorization method and long division method in order to find the square root of the given square number. ➢ Use prime factorization method and long division method in order to find the smallest number to be operated (all the four arithmetic operations) on given			

					number to get a perfect square and then find the square root of the new number			
				Square Roots of Decimals	➢ Use long division method in order to find the square root of the given decimal number			
				Estimating Square Root	➢ Use estimation in order to approximate the value of the square root of the given number to the nearest whole			
	PT-2 Max M:80 (Weightage 80 m)		**7. Cubes and Cube roots**	Cubes	➢ Define perfect cube or cube number and classify the given numbers as cube numbers or non-cube numbers. ➢ Observe the properties of cube numbers. ➢ Use prime factorisation to determine whether the given number is a perfect cube or not and to find the smallest number to be operated (Multiplication or division) on a given number to get a perfect cube.	1. Number Wheel of cubes 2. Cube root clock		Ex 7.2 (Cube root of a cube number)
				Cube Roots	➢ Use prime factorisation to find the cube root of a number. ➢ Use estimation and find the cube root of a given perfect cube.			
		September	**8. Comparing quantities**	Recalling Ratios and Percentages	Convert ratios to percentage in order to solve the given questions	Prepare and analyse budget of a birthday party including the concepts of interest, discount, tax of different items and overall profit.	30+20=50 % of Annual Syllabus	Ex 8.2- Q1,2,3,4,5 & 7, Ex 8.3 (Finding the increase or decrease%, prices related to buying and selling, finding CP/SP/P%//L%, Rate compounded annually or half yearly)
				Discount, Profit, Loss	➢ Apply the formula for discount and discount percentage in order to solve the given problem on discount ➢ Calculate the discount in given situations in order to comment whether the seller has made a profit/loss in the given transaction			
				Simple Interest and Compound Interest	➢ Define and compare simple interest and compound interest and calculate the simple interest and compound interest in order to find the total amount to be paid by the debtor			

				Rate Compounded Annually or Half Yearly	➢ Define the terms 'compounded annually', 'compounded half yearly' and 'compounded quarterly' and give examples in order to differentiate between the three			
TERM-2 OCT TO MARCH	**PT-3 Max M:40 (Weightage 5 m)**	**October**	**9. Algebraic expressions and identities**	Introduction	➢ Define algebraic expressions, like and unlike terms. Identify like and unlike terms in algebraic expressions and add or subtract the given algebraic expressions.	Generalisation of identities using colour papers	30% of Term-2	<u>Ex 9.2-Q1, Q2, Ex 9.5</u> (Introduction, terms, factors and coefficients, Monomials, Binomials, Polynomials, like and unlike terms, what is an identity? standard identities, applying identities)
				Classification	➢ Classify algebraic expressions as monomial, binomial, trinomial and polynomial in general.			
				Multiplication	➢ Use rules of exponents and powers and multiply a monomial by monomial. ➢ Use distributive property of multiplication over addition and subtraction to obtain the product of a monomial and a binomial, a binomial and a binomial and in general a polynomial by a polynomial.			
				Standard Identities and its applications	➢ Use multiplication of binomials in order to explore and verify the standard identities for squares of binomials ➢ Use identities in order to simplify the given algebraic expressions ➢ Use identities in order to find the product of the given numbers			
		November	**10. Visualizing solid shapes**	Views of 3DShapes	➢ Compare 2D shapes and 3D shapes in order to classify a given shape into either ➢ Identify different shapes in nested objects in order to match the object with its shape ➢ Visualize 3D objects in order to draw them from different perspectives ➢ Discuss the given front, top and side view of an object in order to identify the object	1. Mapping the locality 2. Making prisms, pyramids and verify Euler's formula		<u>Full Chapter deleted</u>
				Mapping Space Around Us	➢ Discuss the elements in a map in order to differentiate between a map and a picture ➢ Read and interpret simple map in order to answer questions based on them ➢ Choose appropriate scale and use symbols to denote landmarks in order to draw a			

					simple map			
				Faces, Edges and Vertices	➢ Identify faces, edges and vertices in a given solid in order to classify it as a polyhedron or a non-polyhedron ➢ Count vertices, edges and faces in 3D figures with flat faces in order to verify Euler's formula			
			11. Mensuration	Area of plane figures	➢ Calculate area and perimeter of circle, square, rectangle, triangle, trapezium, polygon in order to calculate area and perimeter of adjoint shapes	Making net solids and deriving the surface area of those solids		<u>Ex 11.1, Ex 11.2</u> (Let us recall, area of trapezium, area of general quadrilateral)
				Surface Area of Cube, Cuboid and Cylinder	➢ Calculate the surface area of a cube, cuboid and cylinder to determine the cost of painting/covering their surface			
				Volume of Cube, Cuboid and Cylinder	➢ Calculate the volume of a given cuboid, cylinder in order to determine the time taken to fill it with a liquid at a given rate			
		Decem ber	**12. Exponents and Powers**	Powers with Negative Exponents	➢ Simplify powers with negative exponents in order to calculate the multiplicative inverse of a number	1)Exponents Maze 2)To find the value of a^n(where a and n are natural numbers) using paper folding		<u>No deletion</u>
				Laws of Exponents	➢ Give examples in order to show that is valid for all integer exponents. ➢ Apply the first law of exponents ( ) and principles of negative exponents in order to derive the rest of the laws of exponents ➢ Apply laws of exponents in order to simplify a given expression			
				Express Small Numbers in Standard Form	➢ Express very large and very small numbers in the standard form in order to compare and estimate quantities			

			13. Direct and Inverse Proportions	Direct proportion and Inverse proportion	➢ Examine situations in order to decide whether two quantities are proportional to each other or not ➢ Complete a given table showing two proportional quantities in order to answer questions based on them ➢ Convert the given statement on relationship (directly or inversely proportional) between two quantities into a table in order to identify the missing quantity and solve for its value	Write daily life examples for the following 1. Direct Proportion 2.Inverse Proportion		<u>No deletion</u>
		January	**14. Factorisation**	Factors of algebraic expressions	➢ Express each term as a product of irreducible factors in order to find the common factors of the given terms	Factorisation using paper cutting and pasting.		<u>Ex – 14.4</u> (Can you find the error)
				Method of common factors	➢ Use the method of common factors in order to factorize the given algebraic expression			
				Factorisation by regrouping terms	➢ Regroup the terms in order to factorize the given algebraic expressions			
				Factorisation using identities	➢ Apply the standard algebraic identities in order to factorize the given algebraic expressions			
				Division of Algebraic Expressions	➢ Use the common factor method in order to divide a monomial by a monomial, polynomial by a monomial and polynomial by a polynomial			
				Find the Error	➢ Check the given mathematical statements in order to find and give reasons for the possible errors in them			
			15. Introduction to graphs	A line graph	➢ Draw a line graph in order to represent the given data that changes continuously over periods of time ➢ Interpret the given line graph in order to answer the given questions	By plotting the points given. To identify the face formed by joining the points in order.		<u>Ex 15.1- Q 5, Ex 15.2, Ex 15.3</u> (Construction of pie Graph, bar graph, linear graph, location of point, coordinates)
				Linear graph and Location of a point/coordinates	➢ Plot a point on the graph in order to describe its coordinates ➢ Plot the given points on the graph in order to verify if they lie on the same line or not			

				Some applications	➢ Construct the line graph in order to discuss the relationship between independent and dependent variable in a given mathematical situation			
			16. Playing with numbers	Games with Numbers Tests of Divisibility	➢ Use the concepts of place value and express the given numbers in their generalised form. ➢ Use addition and multiplication and find the values of the letters in the given puzzles. ➢ Apply the divisibility rules of 2, 3, 5, 9, 10 and find the missing digits of a numbers.	Puzzles		Full Chapter deleted
11		**February**	**Revision**					
12	**ANNUAL EXAMINATION Max M:80 (Weightage 80 m)**	**March**	**Annual Exam and Results**				30% of Term-1 + Entire syllabus of Term-2	

ARMY PUBLIC SCHOOL BIRPUR
Syllabus 2023-24

Class: VIII Subject: Science

Month	Chapter Name/no	Subject Enrichment Activities (Lab Activity/Map Activity/Workbook)	Learning Outcome
April	Ch-1 Crop production and management Ch-2 Microorganisms::Friends and Foes	Activity:- To separate healthy seeds from unhealthy seeds. To observe different types of micro organisms in permanent slide.	Learner will be able to recognise the importance of sowing healthy seeds. Learner will be able to classify different micro organisms.
May	Ch-5 Coal and Petroleum	To mark the places in outline map of India where petroleum and natural gases are found.	Classify the different fractions of petroleum according to their use in daily life
July	Ch-6 Combustion and Flame	Demonstration - To study the different zones of a flame.	Learner will be able to analyse different zones of a flame.
PT-I	**Ch 1,2,5**		
Aug	Ch-7 Conservation of Plants and Animals Ch-9 Reproduction in Animals	In a political map of India show five national park ,five wild life sanctuary and two biosphere reserves. Observe a permanent slide of budding in hydra.	Learner will be able to praise and understand importance of biodiversity.
Sept	Ch-10 Reaching the Age of Adolescence Ch-11 Force and Pressure	Design a creative wall on the adverse effects of smoking and drug Demonstration of electrostatic force abuse.	Learner will be able to realise the importance of health during adolescent age. Learner will identify the force present in charged objects.
Half Yearly	**Ch 1,2,5,6,7,9,10.**		
Oct	Ch-12 Friction	.Activity to study that rolling friction is smaller than sliding friction.	Learner will be able to compare rolling and sliding friction.

Nov	Ch-13 Sound Ch-14 Chemical effects of Electric Current	Activity to show that sound is produced as a result of vibrations. Experiment to show conduction of electricity by lemon juice.	Learner will be able to identify the production and propagation of sound. Learner will be able to apply the process of electroplating.
Dec	Ch-15 Some Natural Phenomena		Learner will develop inquisitiveness in model making. .
PT-2	**11,12,13,14,**		
Jan	Ch-16 Light	To make models of kaleidoscope and periscope. Demonstration to find the focus of a convex lens	Learner will be able to realise that light rays converge at focus in a convex lens.
Feb	**Revision for final exams**		
March Annual Exam	**11,12,13,14,15,16.**		

DELETED CHAPTERS—Ch3- Synthetic fibres and plastics,Ch4- Metals and nonmetals, Ch8-Cell structure and function, Ch-17 Stars and the Solar system, Ch 18- Pollution of air and water.

CLASS VIII
SOCIAL SCIENCE

S.NO	MONTH	SOCIAL SCIENCE
1	**APRIL**	His: L-1 How, When and Where Geo: L-1 Resources Civ: L-1 Indian Constitution (Pg 7, Do you….. was dalit. Deleted)
2	MAY	His: L-2 From Trade To Territory: (Pg 24 Elsewhere deleted) Geo: L-2 Land, Soil, Water, Natural Vegetation And Wildlife Resources Civ: L-2 Understanding Secularism
3	JULY	His: L-3 Ruling The Countryside (pg 37 elsewhere deleted) ***PT1***
4	AUG	Civ: L-3 Why do we need a Parliament? (Pg 39,40,41 deleted) Civ: L-4 Understanding Laws (Pg 42-45, 51 deleted) ***Hist: L-4 Tribal Dikus and the golden vision (Pg 49 elsewhere deleted) (Passage based)*** His: L-5 When People Rebel (Pg 63 elsewhere deleted)
5	SEP	***HALF YEARLY (Revision)***
6	OCT	His: L-7 Civilising the native, educating the nation (Pg 92 elsewhere deleted) ***Annual Function***
7	NOV	Civ: L-5 Judiciary (Pg 55 deleted) Geo: L-4 Agriculture, Geo: L-5 Industries(Pg 56-,59(Cotton textile deleted) Civ: L-7 Understanding Marginalization (Pg 90 deleted)
8	DEC	His: L-8 Women, Caste And Reform (Pg 107 elsewhere deleted) ***Civ L-8 Confronting marginalization (Pg 90 deleted) (Passage based)*** ***PT2***
9	JAN	His: L-9 The Making Of The National Movement (Pg 126 elsewhere deleted) Civ: L-9 Public Facilities
10	FEB	Geo: L-6 Human Resources Civ: L-10 Law and Social Justice Revision
11	MAR	***ANNUAL EXAM***

Deleted Lessons
Hist: L-6 Weavers iron smelters and factory owners
His: L-10 India after independence
Civ: L-6 Understanding our Criminal JusticeSystem
Geo: L-3 Minerals and Power Resources

ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN
SESSION: 2023 - 24
COMPLETE SPLIT UP SYLLABUS OF COMPUTER
CLASS : VIII

Sl.NO	MONTH	Name of the Chapter
		TERM-I
01	APR	CH-1 Computer Network
02	MAY	CH-2 Access- Creating a Database
03	JUL	CH-3 Access - Tables and Forms
04	AUG	CH-4 Access - Query and Report
05	SEP	CH-5 Open Shot Video Editor
		TERM-II
06	OCT	CH-6 E-Commerce and Blogging
07	NOV	CH-7 HTML5- Form, Multimedia and CSS
08	DEC	CH-8 App Development
09	JAN	CH-9 Python - Looping and Tkinter GUI
10	FEB	CH-10 Future Possibilities

CLASS – VIII
ARTIFICIAL INTELLIGENCE

SR.NO	MONTH	NAME OF THE CHAPTER
		TERM-I
01	APR	LS-1 INTRODUCTION TO ARTIFICIAL INTELLIGENCE
02	MAY	LS-2 HISTORY OF ARTIFICIAL INTELLIGENCE
03	JUL	LS-3 APPLICATIONS OF ARTIFICIAL INTELLIGENCE
04	AUG	LS-4 FUTURE OF ARTIFICIAL INTELLIGENCE Practical Activities
05	SEP	Practical Activities
		TERM-II
06	SEP	LS-5 DOMAINS OF ARTIFICIAL INTELLIGENCE
07	OCT	LS-6 ETHICAL CHALLENGES IN ARTIFICIAL INTELLIGENCE
08	NOV	LS-7 CAREER IN ARTIFICIAL INTELLIGENCE
09	DEC	Practical Activities