

HANSRAJ MODEL SCHOOL
PUNJABI BAGH, NEW DELHI
CURRICULUM PLAN
SESSION: 2024-25
SUBJECT: MATHS
CLASS: V

Month	Topic / Sub-Topics	Learning Intentions (Learning Outcomes+Competencies)	Activities	Assignments
April	<p>Ch-1 Numbers up to 99,99,99,999</p> <ul style="list-style-type: none"> • Indian and international place value system <p>Sub Topics</p> <ul style="list-style-type: none"> • Indian and International Place value system • Number names • Concept of periods and places 	<p>The learners :</p> <ul style="list-style-type: none"> • comprehend the concept of periods, places and place value in Indian and international system of numeration. • draw connections between both the systems and write number names. • develop the skills of teamwork, collaboration, and leadership 	<p>ART INTEGRATION:</p> <p>Learners will make train of place value system using glass and marbles and draw comparison in Indian and international places</p>	<p>A-1 Pg 7 WS3 Q1 (a to e) Indian Place value chart(Enter the numerals in the given Printout)</p> <p>A-2 Pg-11 WS-4 Q2 (a to e) International Place Value chart(Printout)</p> <p>A-3 Pg-7 Q1 WS3(a.b) Pg 11 WS4 Q 2 (a.e) Number names</p> <p>A-4 Revision Assignment</p>

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April	<p>Ch-2 Operations on Large Numbers</p> <p>Sub Topics</p> <ul style="list-style-type: none"> • Addition • Subtraction • Multiplication • Division • Word problems 	<p>The learners</p> <ul style="list-style-type: none"> • comprehend and perform all the 4 operations. • apply the operations learnt in daily life word stories • Showcase the skills of oral and written communication and teamwork.,self-management,willingness to learn. 	<p>ART INTEGRATION (A.I)</p> <p>The learners will answer a quiz on guess the operation through flash card activity</p>	<p>A 5-Pg 15,16 WS1 Q1(c, d), Q2(b, h)</p> <p>A 6-Pg 18 WS 3 Q1 (e,h), Q2(e,f)</p> <p>A 7-Pg 17 WS2(d),Pg 22 Q5,9,Pg 19 Q1(d) BT</p>

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May	<p>CH -3 Multiples and factors</p> <p>Sub-Topics</p> <ul style="list-style-type: none"> • Multiples • Factors • Prime factorization • By division • By factor tree method • HCF • LCM 	<p>The learners</p> <ul style="list-style-type: none"> • comprehend and understand the concept of Multiples and factors and their properties • differentiate among odd, even, prime, and composite numbers • understand and find HCF and LCM • inculcate the skills of positive attitude resilience, thinking skills, problem solving and decision making) 	<p>Activity : Sandwich Rasgulla game</p> <p>Learners will recite counting and will say sandwich on multiple of the given number</p> <p>ART INTEGRATION:The learners will create factor tree with the prime factors of the given number</p>	<p>A 8-Pg 29 Q2 (a,d)</p> <p>A 9-Pg 32 WS 5 Q3 (e, h,), WS6 Pg 34 Q2 (k,i)</p> <p>A 10-WS 9 Pg 39 Q2 (b), Q3 (d) WS10 Pg 41 Q2 (d,g)</p>

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May, July	<p>Ch-4 Fractional Numbers</p> <p>Sub-Topics:</p> <ul style="list-style-type: none"> • Comparison and Addition and subtraction of unlike fractions • Multiplication and division of fractions 	<p>The learners</p> <ul style="list-style-type: none"> • comprehend the steps of addition and subtraction of fractions • understand the method of Multiplication and division of fractions and their properties • apply the knowledge gained in real life situations • develop the skills of Initiative and enterprise, critical thinking and problem ,perseverance 	<p>ART INTEGRATION</p> <p>Fraction Bird: using fraction cutouts the learners will create fraction figures eg bird, hut etc.</p>	<p>A 11- Pg 48 WS 1 Q 3 (d, g), Pg 49 WS2 Q1(f), Q3 (f), A12-Pg 53 WS 4 Q1.(g), Q2 (f) A 13- Pg 58 WS 6 Q1 (k,j), WS7Pg 61 WS7Q 1 (e),Pg 69 WS11 Q1(b,l) A14- Pg 55 WS5 Q1(d,f), WS9 Pg 65 Q1 (b) Pg 65WS 13 A 15- Q1(c)Pg 71 Pg 73 Q4,Q8(b) BT</p>

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August	<p>Ch -5 Decimals</p> <p>Sub-Topics</p> <ul style="list-style-type: none"> • Number name • Expanded form • Conversions • Like unlike decimals 	<p>The learners</p> <ul style="list-style-type: none"> • comprehend how to write the number name of decimal number • understand the expanded form and conversions of decimal number. • differentiate between like and unlike decimal • showcase the skills of interpersonal skills,teamwork skills and leadership skills. 	<p>ART INTEGRATION</p> <p>Decimal scenery: students will make a colourful scenery in a grid and the write the decimal for each coloured box in the Painting</p>	<p>A16- decimal place value chart(printout) And enter the numerals on Pg -82 Q5 (a, c, d)</p> <p>A17-Write the number names on Pg -82 Q5 (a, c, d)</p> <p>A 18-Pg 84 WS4 Q3(b,f,g) expanded form</p> <p>A19-Pg 88 WS6 Q2,(d),Q3(d)</p>

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August	Ch-6 Addition and Subtraction of decimal numbers Sub-Topics <ul style="list-style-type: none"> • Addition and subtraction of decimal numbers • Properties of addition and subtraction 	The learners: <ul style="list-style-type: none"> • understand the concept of addition and subtraction of decimal numbers. And their properties • apply the concept learnt to Solve the word problems involving the operations of addition and subtraction of decimal numbers. • inculcate the skills of enthusiasm, management and organisational skills and willingness to learn. 	ART INTEGRATION :The learners will create beautiful decimal kites having decimal addition sums on them and match its string with the right solution	A20- Pg 92WS1 Q2 (f,g), Pg 95 WS4 Q2 (g,h) A-21- WS 3 Pg 94 Q1(e) ,Pg 96 WS6 Q1 (a,e)

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September	Ch 16 Triangles	<p>The learners</p> <ul style="list-style-type: none"> • comprehends the components of a triangle • understand the properties of a triangle • Classify the triangles • inculcate the skills of enthusiasm,management and organisational skills and willingness to learn 	<p>ART INTEGRATION: The learners will create beautiful Worli art painting using triangles of different kinds</p>	<p>A22- Pg WS2 Q2(c),Q7, A23-WS3 Pg185Q1 (d),BT Q4,5 A24 -Web chart of classification of triangles</p>
September	Ch -Temperature	<p>Learners</p> <ul style="list-style-type: none"> • Define temperature • comprehendsthe units of temperature and boiling and freezing point of water • Convert the temperature in farenteit to celcius and vice versa • incorporate the skills of interpersonal skills,teamwork skills and leadership skills. 	<p>ART INTEGRATION The learners will create beautiful models of thermometer and mark the freezing and boiling point of water on it</p>	<p>PDF on the important concepts of temperature</p>

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October	<p>Chapter- 7 Multiplication and Division of Decimal numbers</p> <p>Sub-Topics -</p> <ul style="list-style-type: none"> ▪ Multiplication and Division of Decimals ▪ Oral multiplication and division of decimals by 10,100,1000 	<p>The learners -</p> <ul style="list-style-type: none"> • understand the concept of Multiplication and division of decimals • comprehend the concept of multiplication and division orally with 10, 100, 1000 • apply the concept learnt to solve the word stories. • showcase the skills of critical thinking, analytical thinking, problem solving, decision making 	<p>ART INTEGRATION (A.I.)</p> <p>Christmas tree jigsaw puzzle: The learners will create a jigsaw puzzle of decimals multiplication questions and join the with their answers</p>	<p>A-1 Pg 100 WS -2, Q1 (a ,e ,i)</p> <p>A-2 Pg 105 WS-6 Q1 (i , j) Pg 105 WS -7, Q1 (b ,f)</p> <p>A-3 Pg 107 WS -9, Q1 (a ,e ,i) Pg 109 WS -10, Q1 (d ,h ,i)</p> <p>A4 Pg 110 WS -11, Q1 (a ,f) Pg 110 WS -11, Q2 (c ,h)</p> <p>A5 Pg 103 WS -5, Q1 (a ,e) Pg 112 WS -13, Q2 (a, e)</p> <p>A-6 Case Study and Assertion Reasoning</p>

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October	<p>Chapter- 8</p> <p>Simplification of Numerical Expressions</p> <p>Sub-Topics –</p> <p>Application of DMAS rule on whole numbers, fractional numbers and Decimal numbers</p>	<p>The learners -</p> <ul style="list-style-type: none"> • understand the meaning of a Numerical expression. • analyse the rule of "DMAS". • apply his/ her knowledge attained to solve numerical expression involving whole numbers, fractions and decimals. • develop the skills of problem solving decision making 	<p>ACTIVITY:</p> <p>HOWZAT GAME – Learners will form the numerical expression according to the number given to them using numbers written on slips or buttons.</p>	<p>A 7 Pg 117 WS -1, Q1 (c ,h ,)</p> <p>B.T. Pg 119 Q3 (a)</p> <p>A 8 Pg 118 WS -2, Q1 (c , h)</p> <p>Pg 118 WS -2, Q1 (c , h ,)</p>

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November	<p>Chapter- 9 Rounding numbers</p> <p>Sub-Topics – Round off the numbers to - nearest tens , hundreds, thousands , ten thousands lakhs and ten lakhs ,one crore, ten crores , tenths, hundredths and thousandths</p>	<p>The learners :-</p> <ul style="list-style-type: none"> • understand the meaning of rounding off • apply the knowledge attained to round off the numbers to nearest tens, hundreds, thousands, ten thousands, lakhs, ten lakhs, crore, ten crores, decimal numbers. • Showcase the skills of critical thinking ,analytical thinking, problem solving ,decision making 	<p>ART INTEGRATION:Rounding off numbers made using using playing cards</p>	<p>A- 9 Pg 128-129 B.T. Q3 (a), Q8,Q9</p>

MONTH	TOPIC / SUBTOPICS	LEARNING INTENTIONS (Learning Outcomes + Competencies)	ACTIVITIES / ASSIGNMENTS	DETAILS OF ASSIGNMENTS
November	<p>Chapter- 10 Averages</p> <p>Sub-Topics –</p> <ul style="list-style-type: none"> ▪ Introduction to the concept of Average ▪ Calculation of Average 	<p>The learners</p> <ul style="list-style-type: none"> • understand the meaning of Average • comprehend and analyse the formula to calculate Average of numbers • apply the knowledge to understand and solve word stories based on Averages • analyse the daily life situations and apply the knowledge of average • inculcate the skills of Sharing,patience, analytical thinking and decision making 	<p>ACTIVITY</p> <p>Learners will do dribbling five times. Then they will note down the no. of dribbling done in all. They will calculate the average of the dribbling done in all.</p>	<p>A- 10 Pg 134 WS -2, Q1 (b, d,f)</p> <p>A- 11 Pg 136 B.T. Q5, Q6, Q7</p>

MONTH	TOPIC / SUBTOPICS	LEARNING INTENTIONS (Learning Outcomes + Competencies)	ACTIVITIES / ASSIGNMENTS	DETAILS OF ASSIGNMENTS
November	<p>Chapter- 11 Profit And Loss</p> <p>Sub-Topics –</p> <ul style="list-style-type: none"> ▪ Introduction of cost price , selling price , profit and loss ▪ Calculation of S.P. , C.P. 	<p>The learners</p> <ul style="list-style-type: none"> • understand the terms cost price, selling price, profit, and loss. • evaluate and apply knowledge gained in their real life situations of purchasing and selling • develop the skills of critical thinking ,analytical thinking,problem solving, • decision making 	<p>Class Baazar–</p> <p>Learners will buy and sell articles in class baazar and will calculate the profit/loss</p>	<p>A-12 Pg 139 WS -1, Q2 (a) Pg 140 WS-2, Q1 (b,e)</p> <p>A-13- Pg 142 WS -3, Q2 (a) Pg 143 WS- 4, Q2 (b, c)</p> <p>A14 Pg 145 B.T. Q4, Q5, Q8</p>

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December	<p>Chapter- 12 Percentage</p> <p>Sub-Topics –</p> <ul style="list-style-type: none"> ▪ Introduction to Percentage ▪ Conversion of percentage into fraction, decimal, whole number and vice-versa ▪ Conversion of fraction, decimal, whole number into percentage. 	<p>The learners</p> <ul style="list-style-type: none"> • apply the conceptual knowledge gained in the conversions of percentage into fraction, decimal, whole number and vice-versa • comprehend and understand the formula to find the percent of a number. • apply the knowledge gained, in their real life situations. • understand the importance of percentage in our daily life • develop the skills of .analytical thinking ,sharing ,patience 	<p>ART INTEGRATION:</p> <p>Gems activity/ Picture Garden</p> <p>Learners will make a picture of garden using different colored straws, beads, bindis etc and will calculate the percentage of each decorative material used</p>	<p>A-15 Pg 149-150 WS -2, Q1 (c), Q2(d), Q4 (f)</p> <p>A-16 Pg 152-153 WS -3, Q1 (b), Q2(d), Q3 (e), Q5 (c, d)</p> <p>A-17 Pg 154 WS -4, Q1 (e), Q2 (g, h), Q3 (a)</p> <p>A-18 Pg 155 WS -5, Q1 c,d) Pg 157 B.T. Q8</p> <p>A 19 Case Study and Assertion Reasoning</p>

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January	<p>Chapter- 13 Simple Interest</p> <p>Sub-Topics – Introduction to Simple Interest and its factors Calculation of Simple Interest Calculation of Amount</p>	<p>The learners</p> <ul style="list-style-type: none"> • understand the meaning of Simple Interest, Principal , Rate of Interest , Time , Amount. • apply the conceptual knowledge gained in the calculation of Simple Interest , Amount • apply the knowledge gained in analyzing and solving real life situations. • understand the importance of Simple Interest in our daily life. • develop the skills of critical thinking ,analytical thinking ,problem solving decision making 	<p>ART INTEGRATION ACTIVITY Learners will make foldables containing the concepts of simple interest</p> <p>• Daily life examples Neighbourhood Projects requiring collection of data Youtube videos</p>	<p>A-20 Pg 162 WS -2, Q1 (c), Q3 (b, c)</p> <p>A 21 Pg 165 WS -3, Q3 (c), Q4 (b, d)</p> <p>A-22 Pg 167 B.T. Q4, Q5, Q6, Q7</p>
January	<p>Chapter 17 Data handling</p> <p>Sub Topics</p> <ul style="list-style-type: none"> • Tabular representation • Pictorial representation • Tally marks 	<p>The learners</p> <ul style="list-style-type: none"> • arrange the given data in a tabular chart using pictorial representation • understand the usage of tally marks • develop the skills of analytical thinking and problem solving 	<p>• Daily life examples Neighbourhood Projects requiring collection of data Youtube videos</p>	<p>A 23 Pg 197-198 WS-2. Q3 Q.4 (b)</p> <p>A-24 Subjective assignment</p>

