			Espalier-The Heritage So Annual Academic Planning	hool 2023-24)						
			Textbook- Oxford Edu	ate						
Grade:	<u> </u>			Subject : Mathematics						
Chapte	r : 1 Proposea	Numbers upto 50	De de se sisel av ethe de	Mathedalam	Tanahing Aid	1	Activities/	Art integration	Rett books with	I NO. OF IECTURES
Sr no	-4-4-	Learning outcome / Objectives-	Pedagogical methods	iviethodology	Teaching Ald	Location	Disease / Man			
		1. Numbers upto 50								
		Learning outcome / Objectives-								
		2 Provide practice in writing numerals and								
		writing number names up to 20								
		3. Provide practice in understanding the concept								
		of place value using numbers up to 20								
		4. Recognition of the order of numbers up to 20								
		With specific focus on the numbers that come								
		5. Comparison of two numbers using pictures								
		and the number strip	Step 1- Teacher will play the game of							
		6. Understanding of numbers from 21 to 50	animated puzzle from oxford educate text							
		using place value	book.							
		7. Forward counting and backward counting	Step 2- Teacher will ask the following							
		8 Reading of number names from 21 to 50	1. Can you recite the numbers from 1 to 20 ?							
		9. Writing of numerals from 21 to 50	2. How much will be told if I add 5 and 3							
		10. Focusing on order of numbers up to	together?.							
		50—number that comes before, after and	3. How many numbers are there in tens?							
		between	4. Which number will be formed when 10		<ol> <li>Number strips.</li> </ol>					
		comparison of three numbers up to 50	2	Observation,	2) Seeds.		1) Addition with			
		12. Arranging four consecutive numbers in order.	Step 3- Teacher will introduce the tens and	Open classroom discussion,	3) Number cards		matchsticks	1) Use an old news		
		from the smallest to the biggest and from the	simultaneously introduce the twenties in the	drawing,	4) Place value cut		2) Use an old	paper, cut out the		
		biggest to the smallest	same manner	colouring,	5)Textbook and	Home online	all the dates with	correct number &	1)Textbook page	
	June	13. Arranging three numbers, which are not	with the help of google white board.	explanation,	animated video	classroom.	seven in ones place	arrange the	no. 7 to 28	16
		consecutive, in order from the smallest to the	Step 4- Leacher will make student	writing, speaking, listening	6) Animated puzzle		as red & colour all	numbers in		
		Taxt Exercises	forward & backward counting	reading, Counting, problem	solving		the numbers with	ascending order &		
		* Join the dots from 1 to 20 write them in order at the back of the chairs	Step 5- Teacher will read & write the number	visualization	7)Google White		two in tens place	descending order.		
		* Write the number in the box & the number name.	from 21 to 50 in the textbook and give	VISUAIIZACION	Board		green.			
		* Colour the ten's frame according to the number. Then write the number name.	assignment.		8)Digit Cards					
		* Fill in the juggler's number balls in order.	Step 6- Teacher will teach the students, how							
		* Use the strip above to write number before, between, after.	to compare two numbers, identifying the							
		* Ring the biggest number	in increasing & descending order							
		* write the number.	Step 7- Teacher will simultaneously be							
		* Complete the number grid	solving the text book exercises with the							
		* Read the number name & write the numbers.	students & give assignments in google							
		* Solve the story sums.	classroom.							
		* Ring the value of the coloured digit. * Climb up the number ladder								
		* Climb down the number ladder.								
		* Give the number before, between & after								
		* Cross the numbers that are not in order & write the complete sentence.								
		* Ring the smaller number.								
		* Ring the smallest number.								
		* Ring the bigger number.								
		* Arrange the number in order.								
		*Chapter check up.								
		* worksheet & mental Maths								
										6
Chapte	r: 2	Addition Up to 20					Activitios (	1	1	
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Diagram/ Map work	Art integration activity	Reff books with pg. no.	No. of lectures required

1 Chapte Sr no	July er:3 Proposed date	12. Adding two single-digit numbers that give a two-digit answer 13. Looking for tens while adding 2 or 3 numbers 14. Adding a double-digit number to a singledigit number without regrouping 15. Adding with the help of the number line 16. Story sums using addition Text Exercises  Write addition sum in two ways. * solve the addition Ring the bigger number, count forward to add. * Look for an pattern, fill in the boxes & learn the combinations. * Lose your number combination to find the missing numbers. * Add the underlined number first. * Circle the number you are adding first. * Solve the word problem. * Colour the grid as shown * Colour the grid as shown * Add the dots to make the number. * Add the number you are adding first. * Solve the story sum. * Add the help of 10's frame. * Add thut he help of 10's frame. * Additing double & single digit numbers. * Use the number ine to add. * Story sums. * Chapter check up. ** worksheet & mental Maths	Step 4- Teacher will introduce the method of vertical format additon. Step 5- Teacher will explain the property of adding zero & adding the number itself. Step 6- Teacher will make students understand the commutative property of addition & teach about number combination from 1 to 9 from text book & google white board. Step 7- Teacher will make students understand how to add 3 numbers & build number combination of ten. Step 8- Teacher will explain addition of 10 to 9 single digit numbers & addition of two single digit numbers to give a two digit number. Step 9- Teacher will explain addition of 10 to 9 single digit numbers & addition of two single digit numbers to give a two digit number. Step 9- Teacher will each how students need to add double digit numbers to a single digit number will make use of number line to make additon. Step 11- Teacher will explain story sums of addition & help students solve it. Step 12- Teacher will behejning the students to solve sums in the text book & present assignment in the google classroom.	Observation, Open classroom discussion, drawing, colouring, explanation, writing, speaking,listening reading, Counting, problem solving, reasoning, visualization	1)Textbook and animated video 2) Google White Board 3) Crayons 4) Digit Cards	Home hall or seating area,online classroom.	1) Introducing 0 by putting crayons in a box 2) Introducing addition with fingers Activities/ Diagram/ Map work	1. Stickers or bindis can be used to create a variety of simple but interesting and colourful patterns on paper plates to show the concept of adding 10.	1)Textbook page no. 29 to 52	No. of lectures required
1	July	Lesson No/Name :         2. Addition Upto 20         Learning outcome / Objectives         1. Revising the concept of addition and its symbol         2. Learning counting forward to add         3. Learning how to add using the vertical format         4. Properties of additing zero and adding one         5. Understanding the commutative property of addition         6. Number combinations from 1 to 9         7. Using number combinations to find missing numbers         8. Adding three numbers         9. Building number combinations of 10         10. Parts that make a number         11. Adding 10 to a single-digit number         12. Adding two single-digit numbers         13. Looking for tens while adding 2 or 3         numbers         14. Adding a double-digit number to a singledigit number without regrouping         15. Adding with the help of the number line         16. Story sums using addition <b>Text Exercises-</b> * Write additon sum in two ways.	Step 1- Teacher will introduce the addition concept by finger counting or will place ten chickpeas in one glass & loose ones in another. Step 2- Teacher will ask the following questions to students. 1. How many chickpeas are to be added to make seventeen in the loose glass ? 2. How to write eighteen in tens & ones ? 3. What will be the answer if two is added to three & three is added to two ? Step 3- Teacher will revise the concept of addition & teach counting forward to add. Step 4- Teacher will introduce the method of vertical format additon. Step 5- Teacher will make students understand the commutative property of addition & teach about number combination from 1 to 9 from text book & google white heard	Observation, Open classroom discussion, drawing, colouring, explanation, writing, speaking,listening	1)Textbook and animated video 2) Google White Board	Home hall or seating area,online classroom.	1) Introducing 0 by putting crayons in a box 2) Introducing	1. Stickers or bindis can be used to create a variety of simple but interesting and colourful	1)Textbook page no. 29 to 52	17

3	July	Lesson No/Name :         3. Subtraction Within 20         Learning outcome / Objectives         1. Revising the concept of subtraction and its symbol         2. Counting back to subtract         3. Vertical format of subtraction         4. Subtracting zero and subtracting a number from itself         5. Subtraction facts from 10 and less         6. Applying subtraction in story sums         7. Count forward to subtract         10. Using the tens frame to subtract         11. Using the tens frame to subtract         12. Using the tens frame to subtract         13. Connecting addition and subtraction through number families         14. Using addition or subtraction to solve story sums         Text Exercises-         * Cross out to subsctract.         * Count back to substract.         * Substracting zero & a number from itself.         * Count back to subsctract.         * Substracting zero & anumber from itself.         * Count back to subsctract.         * Substracting single digit number from double digit number.         * Subtracting from the tens         * Use the number strip to ford the answer.         * Substracting from the tens         * Use the number strip to solve the story sums.         * Use the number strip to solve the story sums.         * Use the	Step 1- Teacher will revise the concept of substracting with examples. Step 2- Teacher will ask the following questions to students. 1. If you had 9 chocolates & your friend took 4 away, how many are you left with now? 2. What comes before 36 ? 3. What will be the number if 2 is subtracted from 10 ? Step 3- Teacher will introduce the concept of backward counting to subtract & simultaneously do textual exercise. Step 4- Teacher will familerise the students with vertical format of subtraction on google white board. Step 5- Teacher will teach students when they subtract 0 and how should they subtract a number from itself. Step 6- Teacher will teal about subtraction facts from 10 & less. Step 7- Teacher will teal about subtraction is applied in story sums. Step 9- Teacher will teach the count forward concept to subtract. Step 10- Teacher will teach the count forward concept to subtract. Step 10- Teacher will use the tens frame & number strip to teach subtraction. Step 11- Teacher will nord use the concept of number families, in order to establish connection between addition & subtraction sums. Step 12- Teacher will shep students to solve story sums of addition & subtraction.	Observation, Open classroom discussion, explanation, writing, reading,Visualization, problem solving and reasoning	1)Textbook and animated video 2)Digit Cards 3) crayons 4) Chickpeas 5) Bottle tops 6) Google White Board	Home ,online classroom.	1) Keep ten kidney beans on the table.Randomly pick up some of them in your hand. Ask the children to guess how many are in your palm by looking at the number of kidney beans left on the table. 2)		1)Textbook page no.53 to 74	17	
Chapter	napter: 4 Shapes and Patterns										
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map work	Art integration activity	Reff books with pg. no.	No. of lectures required	
4	August	Lesson No/Name :	Step 1- Teacher introduce the topic by showing identical objects of various size & shape. Step 2- Teacher will ask the following questions to students. 1. Do you have a square table or rectangular table in your house ? 2. Do you have a circle shaped tiffin ? 3.What is the shape of the bangel your mother wears ? Step 3- Teacher will revise the concept of straight lines & curved lines Step 4- Teacher will introduce solid 3D shape objects in google classroom & will ask the students to show like objects. Step 5- Teacher will teach students the identification of patterns & ways of extending them. Step 6- Teacher will solve textual sums with the students & give assignments in the google classroom.	Observation, Open classroom discussion, explanation, ,writing, reading, identification of pictures, Identification and logical thinking	1)Textbook 2)Objects of different shapes 3) Animated puzzle game.	Home,online classroom, Virtual school tour	1) Find out objects in your house that are circle in shape 2) Make pattern with sounds	Making a jewellery of shapes cut-outs in the scrapbook	1)Textbook page no. 75 to 86	8	
Chanter	. 5	Numbers Unto 100				•					
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map work	Art integration activity	Reff books with pg. no.	No. of lectures required	

5	August	Lesson No/Name :	<ul> <li>Step 1 - Teacher will show an image or chart which will have numbers upto 100.</li> <li>Step 2 - Teacher asks question to the students.</li> <li>Teacher questions <ol> <li>What comes after 50 ?</li> <li>What comes 43 &amp; 45 ?</li> <li>If a farmer has 50 sheeps &amp; he purchases 10 more sheeps, how many sheeps does he have in total ?</li> </ol> </li> <li>Step 3 - Teacher will read the numbers from 51 to 100 along with students will write them in their classbook.</li> <li>Step 4 - Teacher will make students understand the concept of breaking up the number into tens &amp; ones &amp; vice-versa. She will take practice of before, after &amp; between numbers by using textbook exercises.</li> <li>Step 6 - Teacher will help students to learn skip counting of two, five &amp; ten with the help of animated games &amp; other teaching aids.</li> <li>Step 7 - Teacher will revise the concept with the help of textbook checkup exercises, woorksheet &amp; assignment shared in gogle classroom.</li> </ul>	Observation, Open classroom discussion, explanation, writing, reading, visualization, technology, problem solving,.	1)Textbook and animatedpuzzle game 2) Google White Board	Home ,online classroom,	1) Playing housie with numbers by calling out 'Cross 2 tens and 4 ones'		1)Textbook page no. 87 to 104	16
Chanta		Adding grander Numbers								
Chapte	r:o	Adding greater Numbers					1			
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map work	Art integration activity	Reff books with pg. no.	No. of lectures required
6	September	Lesson No/Name :	<ul> <li>Step 1- Teacher will introduce the topic by telling a short story of additon.</li> <li>Step 2 - Teacher asks question to the students.</li> <li>Teacher questions</li> <li>1. What is the place value of 7 in the number 75 ?</li> <li>2. What would be entered in blank space of tens &amp; ones to make number 80 ?</li> <li>3. If Anju has 67 pencils &amp; her mother gives her 3 more how many pencils will Anju have ?</li> <li>Step 3- Teacher will make students undestand the concept of adding two digit number with a single digit number in a vertical format &amp; help them learn forward counting.</li> <li>Step 4- Teacher will give knowledge about how to add two digit number with three numbers using place, value &amp; without regrouping.</li> <li>Step 6- Teacher will teach addition with the help of number strip.</li> <li>Step 7- Teacher will revise the concept with the help of textbook checkup exercises, woorksheet &amp; assignment shared in google classroom.</li> </ul>	Observation, Open classroom discussion, explanation, writing, reading, Finger Counting, Visualization, Critical Thinking, Problem Solving, story telling	1) Textbook and animated video 2) Google White Board	Home,online classroom,	1) Make a bundle of 10 pencils or chickpeas, 4 loose pencils or chickpeas and the add 5 more pencils or chick peas, ask the students to count and tell the answer. Repeat it by changing the number of loose pencils and chickpeas.		1)Textbook page no. 105 to 114	8
Chapte										
apie	r: 7	Subtracting greater Numbers								
Sr no	r: 7 Proposed date	Subtracting greater Numbers Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map work	Art integration activity	Reff books with pg. no.	No. of lectures required

7 October	Lesson No/Name :	<ul> <li>Step1- Teacher will show a short video about subtracting greater numbers.</li> <li>Step 2 - Teacher will ask questions</li> <li>Teacher questions</li> <li>1. Suppose there are 16 people watching television &amp; 4 people go away, how many people are still watching TV ?</li> <li>Step 3- Teacher will introduce vertical format of subtracting a single digit number from a double digit number by backward counting.</li> <li>Step 4- Teacher will explain how the students have to subtract two digit number from two digit numbers using place value (no regrouping)</li> <li>Step 5 - Teacher will explain addition facts to subtract the numbers.</li> <li>Step 5 - Teacher will explain addition facts to subtract the numbers.</li> <li>Step 7 - Teacher will guide students in problem solving of subtraction.</li> <li>Step 8- Teacher will be students to solve textual exercises &amp; revise the concept with worksheets</li> </ul>	Observation, Open classroom discussion, explanation,, writing, reading, visualization, problem solving, logical thinking,	1)Textbook and animated video 2) Google White Board	Home,online classroom,	1) Make a number strip frm 50 to 60 and fold the numbers and then ask count forward, count backward, what comes before and after		1)Textbook page no.115 to 126	8
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Chapter	8	Measurement								
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Diagram/ Map	Art integration activity	Reff books with pg. no.	No. of lectures required
8	November	Lesson No/Name :         8. Measurement         Learning outcome / Objectives         1. Comparison of length         2. Non-standard measures of length         3. Comparison of weight         4. Non-standard measures for weighing         5. The weight of an object is not related to its size         6. To compare the capacity of different containers         7. Using non-standard units to measure capacity         8. Conservation of liquids         Text Exercises         * What is the length for each.         * Find the height of the objects.         * Ocunt the squares starting from the bottom to measure the height.         * Write H for heavier & L for lighter.         * Fill in the boxes for finding the weight.         * Fill in the boxes for finding the weight.         * Fill in the boxes of mode un how much a object Weigh.         * Colour the mugs of water needed to fill the jugs.         * Chapter check up         * Work sheet.	<ul> <li>Step 1- Teacher will tell about how students grow in height.</li> <li>Step 2 - Teacher asks question to the students.</li> <li>Teacher questions</li> <li>1. When do you cut your hairs?, how short do you cut them ?</li> <li>2. What is your weight ?</li> <li>3. who weights more an elephant or dog ?</li> <li>Step 3 - Teacher will use teaching aids &amp; explain how the students have to compare length.</li> <li>Step 4 - Teacher will give knowledge about non standard measures of length.</li> <li>Step 5 - Teacher will inform students about non standard measures of weight &amp; explain that weight &amp; elaborate on how weights are compared.</li> <li>Step 6 - Teacher will inform students about non standard measures of weight &amp; explain that weight of an object is not related with it's size.</li> <li>Step 7 - Teacher will teach how the students can compare the capicity of different containers.</li> <li>Step 8 - Teacher will tell about non standard units to measure capity.</li> <li>Step 9 - Teacher will tell about non standard units to measure explicity.</li> <li>Step 9 - Teacher will show the students durits to measure explicity.</li> <li>Step 9 - Teacher will show the student durits to measure explicity.</li> </ul>	Observation, Open classroom discussion, explanation, experiments, writing, reading, Project based learning	1)Textbook and animated puzzle game 2) Objects for weighing	Home,online classroom,	Measure the objects in your house using hand span, elbow span and foot span.	Use the paper clip strip given on page no 129 to measure the lines that are marked red( page 137)	1)Textbook page no.127 to 137	12
Chapter	: 9	Time								
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map	Art integration activity	Reff books with pg. no.	No. of lectures required

9	December	Lesson No/Name : 9. Time Learning outcome / Objectives 1. Understanding the need for reading time 2. Focusing on a clock face and its parts 3. Reading time to the exact hour 4. Introduction to days of the week Text Exercises- * Tick the correct box * Draw the hour hand to show the time. * Ring more or less. * Fill in the Blanks in the order. * Write down the days of the week & then colour according to instruction. * Chapter check up * Work sheet.	Step1- Teacher will introduce the concept of time with the help of wall clock.         Step 2 - Teacher will ask questions         Teacher questions         1] What time do you get up ?         2]What time do you go to play?         3] Do you have your own watch ?         4] Do you know how to tell time ?         Step 3 - Teacher will make students realise the need to read time by giving examples.         Step 4 - Teacher will explain the various features of clock face & it's parts.         Step 5 - Teacher will teach & help students to read time to the exact hour.         Step 6 - Teacher will support students for the week & ask questions regarding it.         Step 7 - Teacher will support students for textual exercises & assignment for revision.	Observation, Open classroom discussion, explanation, drawing, writing, reading, listening, logical thinking, visualization	1)Textbook and animated video 2)Wall clock	Home hall,online classroom,	1) Discuss what time you go to school, when do you wake up and show the time on clock and let student guess the time	Make a clock using a paper plate.	1)Textbook page no.138 to 146	9
× Chapte	r : 10	Money								
Sr no	Proposed	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Diagram/ Map	Art integration	Reff books with	No. of lectures
10	January	Lesson No/Name :	<ul> <li>Step 1- Teacher will introduce the topic by showing students real notes &amp; coins.</li> <li>Step 2 - Teacher asks question to the students.</li> <li>Teacher questions</li> <li>1] What is the cost of a Dairymilk chocolate ?</li> <li>2] Who's photograph is there on a 10 rupee note ?</li> <li>3] What is the symbol of Indian rupee ?</li> <li>Step 3 - Teacher will explain the concept of head &amp; tails &amp; ask students to recognise the commonly used notes &amp; coins.</li> <li>Step 4 - Teacher will explain students to count money using counting in jumps activity.</li> <li>Step 5 - Teacher will each students the way of finding the value of simple combination of coins &amp; notes of different denominations.</li> <li>Step 6 - Teacher will help students to solve textbook exercises.</li> </ul>	Observation, Open classroom discussion, Vegetable painting, explanation, problem solving, visualization, critical logical thinking, writing, reading,	1)Textbook & animated puzzle game. 2) Real coins and notes	Home,online classroom.	<ol> <li>Discuss about how do you purchase things in market.</li> <li>ask students to make 20rs, 12rs, 15rs,18rs using the coins and notes avaliable at home.</li> </ol>		1)Textbook page no. 147 to 155	9
Chapte	r: 11	Handling Data	1	1	1	1	1	1	1	1
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map work	Art integration activity	Reff books with pg. no.	No. of lectures required
11	February	Lesson No/Name :	<ul> <li>Step1- Teacher will ask students to collect all soft things, hard things, long &amp; short things from the house.</li> <li>Step 2 - Teacher asks the students to perform the following activity.</li> <li>11 Sort the things that are soft.</li> <li>21 Make a group of all long things.</li> <li>Step 3 - Teacher will then help students to understand how sorting is done according to a common criteria &amp; how to record results .</li> <li>Step 4 - Students will solve textual sums with the help of teacher.</li> <li>Step 5 - Teacher will try to inculcate the value of keeping things in a systamatic way.</li> </ul>	Observation, Open classroom discussion, explanation, picture recognition, logical thinking, writing, reading.	1)Textbook and animated puzzle game	Home,online classroom.	1) Sort out the soft and hard objects 2) Sort out the long and short objects		1)Textbook page no. 156 to 159	8
Chapter	r: 12	Multiplication Readiness								
Sr no	Proposed date	Learning outcome / Objectives-	Pedagogical methods	Methodology	Teaching Aid	Location	Activities/ Diagram/ Map	Art integration activity	Reff books with	No. of lectures
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12 March	Lesson No/Name :	<ul> <li>Step1- Teacher will ask the students to identify groups of objects aroud themselves.</li> <li>Step 2 - Teacher asks question to the students.</li> <li>Teacher questions <ol> <li>How many objects are there in one group that you have collected ?</li> <li>How many groups do you have ?</li> <li>Do all the groups have same number of objects ?</li> <li>How can we make same number of objects in each group ?</li> </ol> </li> <li>Step 3- Teacher will then in introduce the concept of repeated addition &amp; teach them how to arrive at products.</li> <li>Step 4- Teacher will make students understand the concept of multiplication with help of teaching aid.</li> <li>Step 5 - Student &amp; teacher will solve the textual exercises &amp; teacher will assign worksheets in google classroom for revision.</li> </ul>	Observation, Open classroom discussion, explanation, writing, reading, visualization, problem solcing, critical logical thinking	1)Textbook and animated puzzle video 2) Google White Board 3) Crayons, pebbles, bottle tops	Home ,online classroom.	1)Make a group of 2's, 3's and 5's using the objects	Stick 8 buttons in group of 2's and writ e the total no. of buttons in the last line.	1)Textbook page no. 160 to168	12
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