

NAME OF THE DEPARTMENT - MATHEMATICS SYLLABUS BREAK UP TERM 1 2021-22 -AJI

Name of the Subject Teacher:- Mrs. Rashi A.

Grade:- 3

MONTH	WEEK	Unit/Section	No of Periods	Topic Break Down / for Periods/Learning objectives / progression	Learning Outcomes/ Skills acquired	Activities (Formative assessment tasks, projects, Visits) INCLUDING VIRTUAL LEARNING	Teaching Aids / Reference/ Resources	Competencies and Values	MY IDENTITY	Cross curricular link	Art Integration	Critical Thinking Objective Questions	Critical Thinking Subjective Questions	
April	4	Chapter 1 - Numbers up to 1000	6	4 - digit numbers and representation, Place and Face Value, Successor and Predecessor	a. Model, read and write 4-digit numbers using numerals and words. b. Identify that the position of a digit gives it its value. c. Demonstrate their understanding of place value to create and read large numbers (four-digit numbers). d. Identify the place value and face value of each digit in a four digit number. e. Demonstrate understanding of the concepts of odd and even. Reinforce the understanding of the concept of odd and even numbers.	Form different 4 digit numbers using flash cards a. Ask students to find examples from newspapers, magazines, internet, etc., where numbers up to 1000 are used and to represent these numbers pictorially. b. Match place value card for each digit of the given number	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Problem solving Independent Learning	Numbers in Arabic	English - includes reading and writing numbers,	Mosaic - Create a tile mosaic using rectangular arrays of up to 9999.	3 ones + 7 tens = _____ a. 73 b. 40 c. 37 d. 10	On the number line below, 68 is mid way between 73 and the number in the empty box. What number goes in the empty box?	
			6	Even and Odd Numbers, Skip Counting, Compare.	a. To realize the need for sustainable development resources Demonstrate understanding of the concepts of odd and even. c. Reinforce the understanding of the concept of odd and even numbers. Compare numbers using the greater than, less than, and equal symbols. e. Create a statement involving comparing two 4 digit	b. Activity-Students will be asked to make a poster on conservation of resources d. Have students create and solve number riddles such as "I have written a secret number between 600 and 800. It is an odd number. What might it	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Problem solving Independent Learning	Numbers in Arabic	English - includes reading and writing numbers,	Mosaic - Create a tile mosaic using rectangular arrays of up to 9999.	to _____ a. 89 b. 49 c. 41 d. 39	3 equal sized boxes are completely filled with fruits - Box 1 with grapes, Box 2 with	
			6	Order the numbers, Roman Numerals	a. Order given numbers from smallest to largest. b. Apply knowledge to order whole numbers by Identifying the place value of a digit in a whole number. c. Identify the given Roman Numerals	b. Project - Find out year of your birth of your all family members, list it down Arrange all the numbers in descending order.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Problem solving Independent Learning	Numbers in Arabic	English - includes reading and writing numbers,	Mosaic - Create a tile mosaic using rectangular arrays of up to 9999.	Which abacus has MORE than 5 beads in EVERY row?	The picture below shows some boys at the end of a race.	Jay is writing numbers from 1 to 50 on a number line.
			6	Rounding off the numbers.	a. To round off the numbers to its nearest tens place	Project - Find out year of your birth of your all family members, list it down Find the rounded number of the dates.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Problem solving Independent Learning	Numbers in Arabic	English - includes reading and writing numbers,	Mosaic - Create a tile mosaic using rectangular arrays of up to 9999.	A frog starts from Stone 1 and goes to the other side by	There were 300 problems in Book 1. In Book 2, the number of problems was 116 more than	the father's age. The father is 30 years and his son is 10 years Now. After how many years will the father's age be 3 times as old as the son's age?
May	4	Chapter 2 - Addition	6	Addition of 4 - digit numbers, Addition of three or more numbers.	a. Add two or three four digit numbers without a carryover. b. Add two or three four digit numbers with a carryover	Use a "Looping Activity" where every student is given a card with a basic fact number sentence in which one of the numbers is missing; written as "Who has...?" (e.g., Who has 5 + ___ = 11). The card also has the answer from someone else's card written as "I have..." Students take turns	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Addition problems with real life situations	Flying Fact Families - Introduce fact families of addition.	96 + _____ = 126	On Eid, Shahid distributed 3 blankets costing AED 1150, AED 1225 and AED 1715 to the children of an orphanage.	
			6	Properties of addition, Special Properties of Addition.	a. Identify properties of addition and apply in solving problem Identify the special properties of addition and apply in solving problem	b. Give the students time to discuss and come up with three examples of each property in their notebooks. Call on a few students to share their examples	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Addition problems with real life situations	Flying Fact Families - Introduce fact families of addition.	Which of the following is the same as 5 + 40 + 2?	Rahul has 3 sweets and Sana has 5 sweets. What could Rahul do so that he and Sana have an equal number of sweets?	
			6	Estimating Sum, Horizontal Addition	a. Compare appropriate situations for the use of exact answers and estimates. b. Solve the addition sum in horizontal manner.	The students will estimate the sum of the two prices to see if they have enough money or not to purchase the two items.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Addition problems with real life situations	Flying Fact Families - Introduce fact families of addition.	On Sunday, 2573 men, 3107 women and 1895 children visited the Al Ain Museum. How many people in all visited the museum?		
			6	Application in Real Life - Addition Story	a. Apply addition of four digit numbers in story problems. Apply a mental mathematics strategy for adding two 2-digit numerals	b. The students will work on problems in pairs as well as on their own. They will then check each other's work and make sure they came up with the same answer.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Addition problems with real life situations	Flying Fact Families - Introduce fact families of addition.	Find the difference of the two sums: (354 + 8415) and (423 + 703)		
June	4	Chapter 3 - Subtraction	6	Subtraction of 4 - digit numbers with and without regrouping.	a. Subtract a four digit number from larger four digit number with or without borrowing.	Solve and Check the subtraction by adding the difference to the smaller number.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Subtraction problems with real life situations	Mystery Drawing - Students try to complete the sum using the clue given and complete the drawing.	A subtraction story is shown in the pictures below. Which number sentence matches to this subtraction story?	Find the difference of the two sums: (354 + 8415) and (423 + 703)	
			6	Subtracting from zeros, Addition and Subtraction together	a. Subtract three digit numbers across zeros using regrouping. Subtract from 3 or 4-digit numbers with one or more zeros. c. Recognize the operation and solve addition and subtraction together	b. Students will work independently to solve subtracting across zero problems. Students write a word problem with one of the problems that they solved. They have another students solve the word problem.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Subtraction problems with real life situations	Mystery Drawing - Students try to complete the sum using the clue given and complete the drawing.	You have to go through the boxes below, ADDING the points in the white boxes and SUBTRACTING (354 + 8415)	Ankush gave 2350 sweets to one class and 3354 sweets to another class. If he had 7000 sweets with him, how many sweets did he have left?	
			6	Properties of subtraction, Estimating the difference.	a. Apply properties of operations as strategies to subtract. Assess the use of strategies based on the application of properties and an understanding of place value. c. Compare appropriate situations for the use of exact answers and estimates.	b. a. Students create story problems that include use of the properties of subtraction. b. The students will estimate the difference of the two prices to see if they have enough money or not to purchase the two items.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Subtraction problems with real life situations	Mystery Drawing - Students try to complete the sum using the clue given and complete the drawing.	In which pair of numbers below is the second number 20 LESS than the first number?	A shopkeeper has 1650 bags of wheat on Sunday. He sold 375 bags on Monday and 569 bags on Tuesday. How many bags of wheat does he have left?	
			6	Application in Real Life - Subtraction Story, Mixed Bag, 2 step story sum.	a. Identify properties of subtraction and apply in solving problem. Apply subtraction of four digit numbers in story problems	b. The students will work on problems in pairs as well as on their own. They will then check each other's work and make sure they came up with the same answer.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Subtraction problems with real life situations	Mystery Drawing - Students try to complete the sum using the clue given and complete the drawing.	Which of the following is equal to 76?	4890 people visited the science fair on Saturday in Jahill Park in Al Ain. 2817 people visited the science fair on Sunday. How many people visited the science fair in all?	
July	SUMMER VACATION													
August			6	Factors and Products, Multiplication by 10's, Multiplication by 100's	a. Use equal groups and repeated addition to understand the concept of multiplication. b. Multiply a one-digit number by a multiple of ten and hundred.	a. Model how to solve multiplication problems focusing mainly on repeated addition. b. Ask one group to share their answer for each equation. Ask the students, as they are sharing, how they found their answer and how they know it is correct.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Application based problems	"Once Emerged From the Gray of Night" - Multiplication Tables, Multiplication properties.	43 X 21 - Find the product using distributive property.	In a school, each section has 42 students. There are 8 sections in Class 3. How many students are there in Class 3?	

