

The Orchid School
Baner
Syllabus Overview 2015- 2016
Std : III
Subject : Math

Month	Lesson / Content / Name of the Book	Expected Learning Objective	Activities/FAs Planned
APRIL	Numbers Block 1 Numbers - 0 to 5000.	<ul style="list-style-type: none"> ●Students will be able to count and write the number for an amount greater than 1000. ●Students will be able to find numbers that add to make a multiple of 1000. 	<ul style="list-style-type: none"> ●Identify and allocate place values using Dienes blocks. ●Estimate and compare numbers in pairs.
	Numbers Block 1 Numbers - 0 to 5000.	<ul style="list-style-type: none"> ●Students will be able to count and write the number for an amount greater than 1000. ●Students will be able to find numbers that add to make a multiple of 1000. ●Students will be able to write numbers in expanded form and number names. 	<ul style="list-style-type: none"> ●Estimate and compare numbers in pairs.
	Numbers Block 2 Numbers - 5,000 to 10,000.	<ul style="list-style-type: none"> ●Students will be able to make numbers up to 10,000 using place value blocks. ●Students will be able to count by 1s, 10s and 100s from a 4-digit number using the abacus. ●Students will be able to round 4 - digit numbers to the nearest hundred and thousand. ●Students will be able to compare and order numbers from 0 to 10,000. 	<ul style="list-style-type: none"> ●Arrange the numbers in the increasing and decreasing order.
	Addition Block 3 Addition - Adding 2 - digits mentally	<ul style="list-style-type: none"> ●Students will be able to use different ways to solve addition facts to 20 quickly. ●Students will be able to add the numbers 18 and 19 to other numbers mentally. ●Students will be able to add 2-digit numbers mentally by adding the tens first and then the ones. ●Students will be able to use different ways to add 2-digit numbers mentally. 	<ul style="list-style-type: none"> ●Adding objects given in groups.

JUNE	Adding 3 - digits Block 4	<ul style="list-style-type: none"> ●Students will be able to add 3-digit numbers with regrouping ones by expanding. ●Students will be able to add 3-digit numbers with regrouping tens by expanding. ●Students will be able to add numbers with regrouping ones on abacus. ●Students will be able to add 3-digit numbers with regrouping ones and tens on an abacus. 	●Addition of two numbers to understand the regrouping of digits by using dienes blocks.
	Subtracting 2 - digits mentally. Block 5	<ul style="list-style-type: none"> ●Students will be able to subtract 2-digit numbers using the column method. ●Students will be able to subtract 2-digit numbers by expanding tens and ones. ● Students will be able to subtract near 20(19,18 or 21,22) from any number. ●Students will be able to subtract 2-digit numbers by using the counting up method. 	Subtraction of two numbers to understand the regrouping of digits by using dienes blocks.
		Revision Week and FA1	
		FA1 (pen paper)	
FA 1			
	Subtracting 3 -digits. Block 6	<ul style="list-style-type: none"> ●Students will be able to subtract 3-digit numbers(with regrouping 10s) by expanding them into hundreds,tens and ●Students will be able to subtract 3-digit numbers(with regrouping 100s) by expanding them into hundreds,tens and ones. ●Students will be able to subtract 3-digit numbers using column method with regrouping ●Students will be able to subtract 3-digit numbers using column method and regrouping hundreds and tens. 	Subtraction of two numbers to understand the regrouping of digits

JULY	Data handling Block 7 -	<ul style="list-style-type: none"> ●Students will be able to identify various steps of the data collection process. ●Students will be able to ask a question, collect data and understand conclusions. ●Students will be able to display information in a pictograph. ●Students will be able to display the collected information in a bar graph(scale=2) 	<ul style="list-style-type: none"> ●Collecting the data through survey and interpreting it in the form of pictograph and bar graph. Students to take out the given number from the group of objects.
	Multiplying Tables(7,8) Block 8 -	<ul style="list-style-type: none"> ●Students will be able to solve $\times 0$, $\times 1$, $\times 2$, $\times 5$ and $\times 10$ mentally and $\times 3$, $\times 4$, $\times 6$ and $\times 9$ using a strategy. ●Students will be able to find the multiplication table of 8. ●Students will be able to find the multiplication table of 7. ●Students will be able to solve multiplication story problems by drawing pictures. 	<ul style="list-style-type: none"> ●Children will be made to practice reciting the tables and time themselves on how long it takes to complete a table.
	Multiplication tables review. Block 9 -	<ul style="list-style-type: none"> ●Students will be able to solve multiplication problems using repeated addition. ●Students will be able to use the rules of multiplication to solve problems. ●Students will be able to use a bar model to solve a multiplication story problem. ●Students will be able to find patterns in a multiplication grid. 	<ul style="list-style-type: none"> ●When, there is a group of people or things, children will be asked to frame a story problem with that group.
		Concert Practice	
AUG	Multiplying 11 to 20. Block - 10	<ul style="list-style-type: none"> ●Students will be able to use area models to multiply(without carryover) ●Students will be able to use area models to multiply. ●Students will be able to solve multiplication story problems. ●Students will be able to multiply a 1-digit number by a multiple of 10(10,20,30,40,50)mentally. ● Students will be able to multiply 1-digit by 2-digits by expanding the number. 	Practicing breaking down numbers into tens and ones.
		Concert Practice	
		Concert Practice - Concert Class III	

	Multiplication of numbers by multiples of 10 and 100. Block - 11	<ul style="list-style-type: none"> •Students will be able to multiplying 1-digit by 2-digits by expanding the number and using blocks. •Students will be able to solve 2-digits by 1-digit multiplication problems using a box model. •Students will be able to multiply a 1-digit number by a 2-digit number using a grid. 	<ul style="list-style-type: none"> •Arrange objects in different groups. •Building tables by adding objects in a group repeatedly.
FA 2			
SEPT	Multiplying 3-digits by 1-digit Block - 12	<ul style="list-style-type: none"> •Students will be able to multiply a 1-digit number by multiples of 10 and 100 mentally. •Students will be able to multiply a 3-digit number by a 1-digit number with regrouping by expanding the number. •Students will be able to multiply a 3-digit number by a 1-digit number using the column method. •Students will be able to estimate and solve 1-step multiplication story problems. 	<ul style="list-style-type: none"> •Ask your children to estimate totals when multiplying amounts wherever you are.
		Revision Week	
		SA1	
	Measurement Block - 13	<ul style="list-style-type: none"> •Students will be able to recall non-standard units and measure length using a ruler. •Students will be able to measure length using a ruler to the nearest 1/2 cm. <ul style="list-style-type: none"> •Students will be able to measure length using a metre tape. •Students will be able to convert metre into cm and vice versa. 	<ul style="list-style-type: none"> • Measuring the length of the objects around them.
	Weight and capacity, Kilograms and litres. Block - 14	<ul style="list-style-type: none"> •Students will be able to measure weights using standard measurements.(g,kg) •Students will be able to convert kg to g and vice-versa. •Students will be able to measure capacity using standard measurements in millilitre and litre. 	<ul style="list-style-type: none"> • Measuring the weight of the objects around them. •Measuring and comparing the weight of different objects
SA 1			

OCT	Weight and capacity, Kilograms and litres. Block - 14 (Continued)	-	-
	2-Shapes Block - 15	<ul style="list-style-type: none"> • Students will be able to identify similarities and differences within the same type of shapes. • Students will be able to identify, describe and draw 3-sided, 4-sided, 5-sided shapes using dot paper. • Students will be able to describe a circle and draw it using pencil and thread. • Students will be able to classify 4-sided shapes into different groups. 	<ul style="list-style-type: none"> • Identification of real life examples of 2-D and 3-D shapes.
		Sports day practice	
		Sports day practice	
NOV	2- Shapes (Continued)		
	Symmetry Block - 16	<ul style="list-style-type: none"> • Students will be able to identify and draw one line of symmetry within 2-D shapes. • Students will be able to identify and draw more than one line of symmetry within 2-D shapes. • Students will be able to identify symmetry in art and nature and draw the reflection of a picture. • Students will be able to create the mirror 	<ul style="list-style-type: none"> • Students could be asked to look for symmetrical figures in their surroundings.

FA 3			
DEC		Revision - Notebook and text book practice exercises and FA 3	
		Revision Week and FA3	
		FA3 (pen paper)	
	3-Shapes Block - 17	<ul style="list-style-type: none"> ●Students will be able to sort 3-D shapes based on their observable properties (faces,edges,vertices,rolling,sliding,flat and curved surfaces) ●Students will be able to define faces,edges and corners for 3-D shapes(cube,cuboid,cone,cylinder and sphere) and count them. ●Students will be able to list and compare different 3-D shapes on the basis of their observable properties. ●Students will be able to build 3-Dshapes from straws (for the edges)and play dough(for the corners) 	<ul style="list-style-type: none"> ●Making model out of 3D shapes using the material available in their surrounding.
	Patterns Block - 18	<ul style="list-style-type: none"> ● Students will be able to extend patterns in which a shape is rotated. ●Students will be able to extend the growing pattern in shapes and numbers and describe the rule for them. ●Students will be able to find and use the'sum of number'patterns. 	<ul style="list-style-type: none"> ●Children could be asked to look at patterns around them and create more patterns using the same structure.

JAN	Introduction to division Block -19	<ul style="list-style-type: none"> ●Students will be able to find the number of groups when the number in each group and total number are known. ●Students will be able to find the number in each group when the number of groups and total number are known. ●Students will be able to find the number of groups using repeated subtraction and write it as a division sentence. ●Students will be bale to find the number in each group and write it as a division sentence. 	●Dividing the given objects into equal groups to demonstrate the understanding of division.
	Division Block -20	<ul style="list-style-type: none"> ●Students will be able to use ' think multiplication' to derive the division table of 2. ●Students will be able to use ' think multiplication' to derive the division table of 5. ●Students will be able to use ' think multiplication' to derive the division table of 10. 	Children could be asked to make equal groups of various objects at home.
	Dividing 2-digits by 1-digit Block - 21	<p>with no remainders using place value blocks.</p> <ul style="list-style-type: none"> ●Students will be able to solve 2-digit by 1-digit division problems with remainders using place value blocks. 	Reciting tables
FA 4			
FEB	Introduction to fractions Block - 22	<p>fourths.</p> <ul style="list-style-type: none"> ●Students will be able to define a fraction and divide wholes into two, three and four equal-sized parts. ●Students will be able to make fair shares and count fraction parts of a whole in each share. ●Students will be able to use fraction notation to represent fractions. 	Students can create problem questions where fractions are involved-half,third and fourth.
	Measurement Block-23	<ul style="list-style-type: none"> ●Students will be able to use different denominations to make an amount(up to Rs 200) ●Students will be able to represent rupees and pasise amounts in different ways using money notations. ●Students will be able to solve money problems using addition and subtraction. ●Students will be able to prepare bills and find the amount of change 	●A mock transaction drill of money in the form of purchasing and selling goods.

	Time on a Calendar Block-24	<ul style="list-style-type: none"> •Students will be able to read a calendar to find the number of days in each month and find patterns in the calendar. •Students will be able to read a calendar to know how many days there are in a month and weeks are there in a year. •Students will be able to find dates of the seasons and festivals on a calendar and show them on a timeline. •Students will be able to read and make a timeline of their life. 	
MARCH	Time on a clock Block-25	•Students will be able to estimate the time taken by an activity and choose the best unit to measure time for various activities(minutes, hours or seconds)	
		Revision in the notebook and textbook	
		Revision	
		Revision	
		SA2 begins	
SA 2			













