


Espalier Heritage School										
	 Annual Planner 2020-21									
Grade I	Subject: Maths									
Sr No	Lesson Name	learning objectives/ Subtopic	Methodology	pedagogical methods	learning outcome	Teaching Aid	Teaching Place	Reff.books with pg.no.	No.of lecture s require d	Class Activities /Diagrams / Map work
1	Numbers upto 20	Learning Objectives- The children will be able to 1)Understand numbers up to 20(all concepts) 2)Concept of zero 3)How to make 20 4} Understand how to write number on abacus 5) Understand how to compare numbers	Oral work, discussion, explanation and written work.	Step 1 - Teacher will introduce the topic by testing their previous knowledge. Teacher will write the numbers on board and will ask the students to tell the number names. Step 2- Teacher will introduce the concept of zero by giving different examples Step-3- Teacher will introduce the topic by showing them how we can make bundle of ten pencils. Step-4- Teacher will show them how to make group of ten by the help of judo kit. Step-5- Teacher will introduce the concept by showing them number chart. Step-6- Teacher will introduce the concept by giving examples on board. Step-7- Teacher will ask three students to come forward and stand in a line. Teacher will explain them the concept.	Learning outcome- The children works with numbers 1 to 20 2) The children can count objects using numbers from 1 to 20 3) The children compares numbers up to 20, for example tells whether number of girls or number of boys is more in the class.	1]Pencils 2] Judo kit 3] Number Chart 4] Different examples 5] Number line 6] Flash cards 7] Number cut outs	1) Maths lab. 2) classroom 3) staircase	Living Maths- pg no. 6 to 19	7	Activity 1- Teacher will make group of two students will ask one student to give his or her pencils to the partner, and will ask how many you have now? Activity 2- Teacher will make group of five students and will ask them to make make ten with the help of judo kit. Activity 3- Number line activity.
2	Addition upto 10	Learning Objectives- The children will be able to 1)count objects , apply addition of numbers 1-10 in daily life 2)construct addition facts upto 10by using concrete objects. for example to find 3+3 counts 3 steps forward from 3 and conclude that 3+3=6. 3)solves day to day problems related to addition.up to 10	Oral work, discussion, explanation and written work.	Step 1 - Teacher will introduce the topic by explaining them what is addition. Step 2- Teacher will introduce and expain the concept with the help of number line. Brainstorming Teacher will show them how we do addition with the help of chalk. Explanation - *Teacher will explain when we put together 2 or more numbers it is called addition. The sign for addition is + (plus). *Teacher will expain when you add 0 to any number answer will be the same. * Teacher will expain when you add 1 to any number answer will be the number that comes after. * Teacher will explain vertical addition and orders in addition.	Learning outcome- The children will 1] know how to add. 2)apply addition in day to day life	1] Chalk 2] Judo kit 3] Number line 4] Different examples	Maths lab, Classroom, Snake and ladder area.	Living maths pg no- 20 to 34	8	Activity 1- Teacher will ask the students to create word problems on their own(group of two)
3	Subtraction upto 10	Learning objectives - The children 1) subtracts numbers using 1 to 9 . For example the child takes out 3 objects from a collection of 9 objects and counts the remaining and concludes 9-3=6 2)solves day to day problems related to subtraction of numbers up to 10.	Oral work, discussion, explanation and written work.	Step 1 - Teacher will introduce the topic by explaining them what is subtraction. Step 2- Teacher will introduce and expain the concept with the help of number line. Brainstorming Teacher will show them how we do subtraction with the help of chalk.	Learning outcome- The children will be able: 1]To know how to do subtraction 2) solve day to day problems related to subtraction.	1] Chalk 2] Judo kit 3] Number line 4] Different examples	Maths lab , classroom	Living Maths - pg no- 35 to 48	7	Activity 1- Teacher will ask the students to create word problems on their own(group of two)

11	Time	Learning objectives- The learner 1) identifies time in his day to day routine or life.	Oral work, discussion, expanation, written work and demonstration.	<p>Step 1 - Teacher will introduce the lesson by showing them clock .Step 2- Teacher will show the students time table.</p> <p>Step-3- Teacher will show the calender to the students Teacher</p> <p>Questions: 1. Do you have toys? 2. From where you brought the toys? 3. What you pay to the shopkeeper for getting that toys?</p> <p>Demonstration- Teacher will show them clock, calender and time table Explanation -</p> <p>*Teacher will explain if the minute hand points at 12 and hour hand points at 3, the time is 3 o'clock. * Teacher will explain Monday is the first day of the week and Sunday is the last day of the week. * Teacher will explain there are 12 months in a year. There are 365 days in a year. * Teacher will explain what is leap year?</p>	<p>Learning outcome- The children will be able:</p> <p>1]To read the time 2] To understand days of the week 3] To understand months of the year</p>	1] Clock 2] Time Table 3] Calender	Classroom, Time zone of the school	Living Maths pg no- 137 to 144	6	Activity 1- Hand trick to count number of days in a month
						2] Time Table 3] Calender				
12	Money	Learning objectives- The learner 1) use concrete play money for making amounts upto Rs 20 2) will know how to count money.	Demonstration, Discussion, Explanation, writing work.	<p>Step -1 Teacher gives introduction to money and ask students some questions- What is money ?, how do you get it ?, and what do you use it for? which Coins are currently in use in India? Which Notes are currently in use in our country?</p> <p>Step -2 Teacher explains about Simple addition with Money "Money comes in two forms: coins and paper money. Does anyone know which is which? What is the difference between the two?" Step -3 Teacher also helps students to solve story sums of the ice cream delight.</p>	<p>Learning outcome- The children will be able to understand:</p> <p>1) coins 2) paper money 3) counting of money 4) money used in our country. 5) how money is demonstrated on the products.</p>	1)Coins, 2)play money .. 3)Canned or preserved food, books, or other items to demonstrate bartering.	Gazebo, Classroom Maths lab.	Living Maths pg no- 145 to 149	6	Activity -1 Arranging a shop and getting practical knowledge of exchanging money with the shopkeeper.
13	Data Handling	Learning objectives- The learner 1) observe and collect information from the visuala, context/ situations such as number of items.	Discussion, explanation and written work.	<p>Step 1 - Teacher will introduce the lesson by asking them questions.Step 2- Teacher will guide the students to solve the questions.</p> <p>Teacher Questions: Teacher will ask the students following questions: 1. How many chart papers are there in our class? 2.How many pink colour chart papers are there? 3.How many yellow colour chart papers are there? 4. Total how many pink and yellow colour chart papers altogether? Explanation -</p> <p>*Teacher will explain how to analyse the data.</p>	<p>Learning outcome- The children will be able to understand:</p> <p>1]How to analyse the data</p>	1] Chalk and duster	Maths lab , Classroom	Living Maths pg no-152 to 157	6	Activity - 1 -Teacher will revise the by calling students to solve the sums on board.