Espalier Heritage School

Annual Planner 2023-24

Grade II										
					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 lectures required	Class Activities /Diagrams / Map work
1	Numbers up to 200	To recognize and represent numbers.	Reading, writing, explanation, discussion.	Step-1 Teacher will conduct small activity and ask students to read numbers loudly and introduce the topic.	Students will be able to:	Place value kit, Number charts,flash cards, video and ppt	Classroom	pg.no 7 to 25 textbook	14	Place value activity
		To read and count and compare numbers.		Step-2 Teacher will revise 1-digit and 2-digit number explain the concept of place value with the help of place value kit.	1) Understand and read numbers upto 200					
		To build learner's number sense.		Step-3 Teacher will explain the concept of expanded form of numbers with the help of place value kit and ask students to expand the number	2) Understand the concept of place value.					
				Step-4 Teacher will write the numbers upto 200 and asks student to read the numbers loudly.	3) Understand the difference between smallest and greatest number.					
				Step-5 Teacher will explain the concept of smallest and greatest numbers.	4) Understand the concept of ordinal numbers.					
				Step-6 Teacher will explain the concept of before, between and after numbers with the example.	5) Understand the concept of even and odd numbers.					
				Step-7 Teacher will explain the concept of even and odd numbers.	6) Arrange numbers in ascending and descending order.					
				Step-9 Teacher will explain the concept of ordinal numbers with the help of charts and conduct small activity.						
2	Addition	To add numbers mentally.	Explanation, discussion, problem solving method,reading, writing.	Step-1 Teacher will conduct an small activity and introduce the topic.	Students will be able to:	Place value kit, beads mala, video and ppt	Classroom	pg.no 26 to 42 textbook	12	Crafting addition machine
		To recall and use addition facts.		Step-2 Teacher will explain the concept of addition and facts of addition and addition of 1-digit numbers with the help of place value.	1) Understand the addition of 1 & 2 digit numbers.					
		To understand place value of numbers.		Step-3 Teacher will explain the concept of addition of 2 digit numbers with and without regrouping with the help of examples.	2) Solve addition with regrouping.					
				Step-4 Teacher will explain the word problem sums on board.	3) Solve word problems of addition.					
				Step-5 Teacher will give some sums on board and asks students to solve.	4) Define addition and solve addition problems.					
3	Subtraction	To define subtraction	Explanation, discussion, reading, writing, problem solving method.	Step-1 Teacher will conduct an activity and introduce the topic.	Students will be able to:	Place value kit,beads,digit cards,video and ppt	Classroom	pg.no 43 to 61 textbook	12	Subtraction activity
		To solve sums with and without regrouping of numbers.		Step-2 Teacher will explain the concept of subtraction and the properties of subtraction.	1) Understand the concept of subtraction.					
		To solve word problems based on subtraction.		Step-3 Teacher will explain and solve subtraction sums on board.	2) Solve subtraction sums with regrouping.					
				Step-4 Teacher will explain and solve the sums of subtraction with and without regrouping.	3) Solve subtraction word problems.					
				Step-5 Teacher will explain the word problem sums on board.	4) Solve 2 digit subtraction sums.					
4	Numbers up to 1000	To read and wirte numbers upto 1000	Explanation , discussion, questioning,interaction , reading, writing.	Step-1 Teacher will conduct a small game and introduce the topic.	Students will be able to:	Place value kit,number cards, ppt and video.	Classroom	pg.no 62 to 76 textbook	12	My name kite activity.
		To compare numbers upto 1000 based on their place value.		Step-2 Teacher will explain the concept of place value of bigger numbers with the help of place value kit.	1) Read and write numbers upto 999					
		To work with three digit numbers.		Step-3 Teacher will explain the expanded form of numbers with the help of place value kit.	2) Understand the concept of comparison of numbers.					
				Step-4 Teacher will explain the concept of before,between and after numbers with the help of examples.	3) Arrange numbers in ascending and descending order.					

No	Topic	Objectives	Methodology	Teaching Steps	Learning Outcomes	Teaching Aids	Venue	Pages	Periods	Activity
				Step-5 Teacher will explain the concept of comparison of 3-digit numbers.	4) Understand the difference between smallest and greatest number.					
				Step-6 Teacher will explain the concept of increasing and decreasing order of 3-digit numbers	5) Understand the concept of before, between and after numbers.					
				Step-7 Teacher will conduct an activity	6) Understand the concept of cardinal and ordinal numbers.					
5	Addition of bigger numbers	To add numbers mentally with increasingly large numbers.	Explanation,discussion ,questioning,problem solving method,writing.	Step-1 Teacher will conduct small activity and introduce the topic.	Students will be able to:	Ppt, video, place value kit.	Classroom	pg.no 77 to 86 textbook	8	
		To recall and use addition and facts.		Step-2 Teacher will explain the place value of bigger numbers with the help of examples.	1) Understand the place value of bigger numbers.					
				Step-3 Teacher will explain and solve addition sums of 3-digit numbers with and without regrouping.	2) Solve addition and subtraction sums with bigger numbers.					
				Step-4 Teacher will give some sums on board to the students to solve.	3) Read and write bigger numbers.					
				Step-5 Teacher will solve and explain subtraction of biggers.	4) Solve word problem sums.					
					5) Understand the concept of before, between and after numbers.					
6	Subtraction of bigger numbers	To subtract numbers mentally with increasingly large numbers.	Explanation,discussion ,questioning,problem solving method,writing.	Step-1 Teacher will ask some questions and introduce the topic.	Students will be able to:	Ppt, video, place value kit.	Classroom	pg.no 87 to 96 textbook	8	
		To recall and use subtraction facts.		Step-2 Teacher will explain the place value of bigger numbers with the help of examples.	1) Understand the concept of subtraction.					
				Step-3 Teacher will explain and solve subtraction sums of 3-digit numbers with and without regrouping.	2) Solve subtraction sums with bigger numbers.					
				Step-4 Teacher will give some sums on board to the students to solve.	3) Read and write bigger numbers.					
				Step-5 Teacher will solve and explain subtraction of 3-digit numbers.	4) Solve word problem sums.					
7	Multiplication	To recite multiplication tables.	Explanation,discussion ,questioning,interaction,rea ding,writing	Step-1 Teacher will ask some questions and introduce the topic.	Students will be able to:	ppt,textbook, flowers,white board and video	Classroom	pg.no 97 to 112 textbook	14	
		To multiply two digit numbers.		Step-2 Teacher will explain the concept of multiplication using repeated addition.	1) Understand the concept of multiplication.					Making tables chart
		To use repeated addition to multiply.		Step-3 Teacher will explain the concept of skip counting of numbers with examples.	2) Recite multiplication tables.					
				Step-4 Teacher will explain the properties of multiplication.	3) Understand the properties of multiplication.					
				Step-5 Teacher will ask students to recite multiplication tables loudly.	4) Solve multiplication story sums.					
				Step-6 Teacher will explain story sums based on multiplication.	5) Understand the concept of skip counting of numbers.					
8	Exploring Multiplication further	To recall multiplication facts and tables..	Explanation,discussion ,problem solving method,writing,interaction	Step-1 Teacher will recall the previous knowledge about multiplication and introduce the topic.	Students will be able to:	tables ppt, charts, video and white board.	Classroom	pg.no 113 to 128 textkbook	16	Building tables activity
		To use multiplication tables for solving problems.		Step-2 Teacher will ask students to recite multiplication tables loudly.	1) Recite multiplication tables loudly.					
		To multiply numbers mentally.		Step-4 Teacher will explain and solve multiplication of two digit numbers with regrouping.	2) Multiply two digit numbers by a one-digit number.					
				Step-5 Teacher will give some sums on board and asks students to solve.	3) Solve multiplication sums by repeated addition.					
				Step-6 Teacher will explain and solve word problem sums on board	4) Solve word problem sums.					
9	Shapes and Patterns	To identify specific shapes.	Explanation,discussion ,problem solving,writing,reading, interaction.	Step-1 Teacher will show different object and asks various questions and introduce the topic.	Students will be able to:	ppt, pictures, shapes, white board and video.	Classroom	pg.no 129 to 143 textbook	8	Making shapes using matchsticks or ice cream sticks

Sr No	Topic	Objectives	Methods	Steps	Learning Outcomes	Teaching Aids	Place	Page No	Periods	Activity
		To recognize shapes in the environment.		Step-2 Teacher will explain the concept of plane and solid shapes.	1) Understand the basic shapes.					Lines activity
		To recognize a repeating pattern.		Step-3 Teacher will explain the concept of faces,edges and vertices.	2) Understand the concept of repetition of patterns.					
		To create a shape pattern		Step-4 Teacher will explain the concept of patterns with the help of an example.	3) Understand types of patterns.					
				Step-5 Teacher will explain the concept of repetition of patterns.	4) Understand the concept of types of lines.					
				Step-6 Teacher will show a video.	5) Draw shapes.					
				Step-7 Teacher will explain the types of lines and conduct an activity.	6) Understand the concept of solid shapes.					
10	Measurement	To define and understand basic elements of measurement.	Explanation,discussion,writing,reading, interaction.	Step-1 Teacher will ask some questions and introduce the topic and explain the concept of measurement.	Students will be able to:	Measuring tape,video,vegetables,water,bottle,jugs, mugs, glass,ruler,charts,ppt	Classroom	pg.no 144 to 157 textbook	10	Measuring length of different things using non standard units activity.
		To describe units of measurement.		Step-2 Teacher will explain the concept of non standard units measuring length by showing pictures.	1) Understand the concept of measurement.					Guess the weight
		To use measuring tools.		Step-3 Teacher will explain the concept of standard units of measuring length and will show video.	2) Understand the standard and non-standard units of measurement.					
				Step-4 Teacher will explain the concept of heavy and light and xplain the concept of standard and non- standard units of measuring weight and show video.	3) Understand the units of weight.					
				Step-5 Teacher will explain the concept of measurement of capacity by showing one activity.	4) Measure different objects,length,capacity and,weight.					
					5) Understand the difference between weight,capacity and length.					
11	Time	To read and tell time.	Explanation,discussion,writing,reading,interac tion.	Step-1 Teacher will narrate a story and introduce the topic.	Students will be able to:	Clock,calendar,video and ppt	Classroom	pg.no 158 to 170 textbook	8	Making clock activity
		To compare and contrast the hour and minute hands.		Step-2 Teacher will explain the concept of time and about minute and hour hand.	1) Read and write time.					
		To identify the hour and minute hands.		Step-3 Teacher will explain the concept of half past,quarter past and quarter to and ask students to draw a clock.	2) Understand the concept of hour and minute hands.					
				Step-4 Teacher will asks various questions about days,weeks and months.	3) Understand the concept of days,weeks and months.					
				Step-5 Teacher will give information about calendar and asks questions.	4) Understand the concept of calendar.					
				Step-6 Teacher will conduct an activity.	5) Draw a clock.					
12	Money	To add or subtract small amounts of money.	Explanation,discussion,writing,reading,interaction,problem solving.	Step-1 Teacher will asks various question and introduce the topic.	Students will be able to:	Play money kit,coins,notes, flash cards,charts,ppt and video.	Classroom	pg.no 171 to 179 textbook	6	Making paper wallet,notes and coins.
		To understand the value of money.		Step-2 Teacher will show notes and coins and explain the value and importance of money to the childrens.	1) Understand the value and importance of money in day to day life.					
		To understand the exchange of money.		Step-3 Teacher will explain the concept of exchange of money.	2) Understand the exchange of notes and coins.					
				Step-4 Teacher will explain the concept of addition and subtraction of money by solving sums on board.	3) Understand the value of each note and each coin.					
				Step-5 Teacher will give question to the childrens to solve on board.	4) Add or subtract money.					
				Step-6 Teacher will explain the word problem sums on board.	5) Solve word problems.					
13	Data Handling	To collect,record and interpret data.	Explanation,discussion,writing,reading,interaction,problem solving.	Step-1 Teacher will ask some questions and introduce the topic.	Students will be able to:	Ppt,white board and video.	Classroom	pg.no.180 to 184 textbook	5	To collect data activity.
		To represent data using symbols and		Step-2 Teacher will explain the concept of data handling.	1) Understand the concept of pictograms.					
				Step-3 Teacher will expalin some examples to the childrens.	2) Collect and record data.					

				Step-4 Teacher will explain the concept of pictograms and use of pictures and symbols for representing data.	3) Understand the representation of data using symbols and pictures.					
				Step-5 Teacher will conduct an activity.	4) Understand the use and importance of data handling.					
14	Division readiness	To define the terms: dividend,divisor,quoti ent and remainder.	Explanation,discussion ,problem solving,writing,reading.	Step-1 Teacher will ask various questions and introduce the topic.	Students will be able to:	white board, ppt and video.	Classroom	pg.no 121 to 128 workbook	9	Making division machine activity.
		To recognize that division		Step-2 Teacher will explain the concept of dividing equally or	1) Understand the concept of sharing					
				Step-3 Teacher will explain the concept of division-divisor dividend quotient and remainder.	2) Understand the meaning of division					
			.	Step-4 Teacher will explain the properties of division & facts of division.	3) Understand the properties of division.					