

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,cards	classroom,math lab	pg.no 6 to 25 workbook	10	1) Place value activity
		To read and count numbers.		Step-2 Teacher will asks students to recite poem.	1) Understand and read numbers upto 200					2) Cards game.
		To build learner's number sense.		Step-3 Teacher will explain the concept of place value with the help of place value kit.	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-8 Teacher will explain the concept of expanded form of numbers with the help of place value kit.						
				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,buttons,carrom coins.	classroom	pg.no 26 to 40 workbook	10	1) play with addition
		To recall and use addition facts.		Step-2 Teacher will explain the concept of addition of 1 digit numbers.	1) Understand the addition of 2 digit and 3 digit numbers.					
		To understand place value of numbers.		Step-3 Teacher will explain the concept of addition of 2 digit numbers with the help of examples.	2) Solve addition with regrouping.					

				Step-4 Teacher will explain the concept of word problems with the help of place value kit.	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.					
				Step-6 Teacher will conduct an activity.						
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,play money.	Classroom,kuteer	pg.no 41 to 57 workbook	10	1) Digit cards game
		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.					2) Triangular cards game
		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.					
				Step-6 Teacher will conduct an activity.						
4	Understanding multiplication	To recite multiplication tables.	Explanation,discussion ,questioning,interaction,reading,writing	Step-1 Teacher will conduct an activity and introduce the topic.	Students will be able to:	Notebook, colour pencils,dice and pencil.	Classroom	pg.no 58 to 74 workbook	12	1) play pop game
		To multiply two digit numbers.		Step-2 Teacher will explain the concept of multiplication using repeated addition.	1) Understand the concept of multiplication.					2) Multiplication activity
									12	1) Numbers activity
		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 conduct an activity and ask students to recite multiplication tables loudly.	4) Solve multiplication word problem sums.					
				Step-6 Teacher will explain word problems based on multiplication.	5) Understand the concept of skip counting of numbers.					
5	Numbers up to 999	To read and write numbers upto 999	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.	Classroom	pg.no 75 to 90 workbook	12	1) Number activity.

		To compare numbers upto 999 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) Mark numbers on number line.					
				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.					
				Step-5 Teacher will explain the increasing and decreasing order of numbers.	4) Understand the difference between smallest and greatest number.					
				Step-6 Teacher will conduct an activity.	5) Understand the concept of before, between and after numbers.					
6	Addition and subtraction of bigger numbers	To add and subtract 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:	Place value kit,beads mala,loose beads,dice.	Classroom,kut	pg.no 91 to 103 workbook	10	1) Dice game
		To recall and use addition and subtraction 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 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.					
7	More on multiplication	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:	Chart,broomsticks,bindis,ice cream sticks	Classroom	pg.no 104 to 120 workbook	13	1) 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-3 Teacher will conduct an activity.	2) Multiply two or three digit numbers by a one-digit number.					
				Step-4 Teacher will explain and solve multiplication of two and three digit numbers with regrouping.	3) Solve multiplication sums by repeated addition.					

				Step-5 Teacher will give some sums on board and asks students to solve.	4) Solve word problem sums.					
				Step-6 Teacher will explain and solve word problem sums on board.						
8	Learn to divide	To define the terms: dividend,divisor,quotient and remainder.	Explanation,discussion ,problem solving,writing,reading.	Step-1 Teacher will conduct an activity and introduce the topic.	Students will be able to:	Divison machine,kidney beans,flash cards,bowls.	Classroom,kuteer	pg.no 121 to 128 workbook	9	1) Division machine activity.
		To recognize that division is the opposite of multiplication.		Step-2 Teacher will explain the concept of dividing equally or sharing equally.	1) Understand the concept of sharing equally.					2) Cards game.
				Step-3 Teacher will explain the concept od division-divisor,dividend,quotient and remainder.	2) Understand the meaning of division and relationship between subtraction to division and multiplication to division.					
				Step-4 Teacher will explain the properties of division.	3) Understand the properties of division.					
				Step-5 Teacher will conduct an activity.	4) Understand the concepts-divisor,dividend,quotient,remainder.					
				Step-6 Teacher will explain and solve long division sums on board	5) Solve division sums.					
				Step-7 Teacher will explain the division and multiplication facts by using tables.						
				Step-8 Teacher will explain division sums using number line.						
9	Fractions	To define-fraction,numerator,denominator.	Explanation,discussion ,problem solving,writing,reading.	Step-1 Teacher will conduct simon says game and introduce the topic.	Students will be able to:	Charts,fraction kit,fraction chart	Math lab,classroom	pg.no 129 to 133 workbook	8	1) Shapes activity.
		To identify fractions by picture		Step-2 Teacher will explain the basic concept of fraction and relation between fraction and division.	1) Understand the basic concept of fractions.					
				Step-3 Teacher will conduct an activity.	2) Divide equally and share equally.					
				Step-4 Teacher will explain the terms numerator and denominator.	3) Understand the terms-numerator and denominator.					
				Step-5 Teacher will give some figures on board and asks students to divide it into equal parts.	4) Divide shapes and figures equally.					

10	Measurement	To define and understand basic elements of measurement.	Explanation,discussion ,problem solving,writing,reading, interaction.	Step-1 Teacher will conduct an activity and introduce the topic.	Students will be able to:	Measuring tape,weighing machine,video,vegetables,water,measuring vessels,ruler,measuring weights,charts.	Classroom kuteer,AV room,math lab.	pg.no 134 to 146 workbook	12	1) Measuring length activity.
		To describe units of measurement.		Step-2 Teacher will explain the concept of measuring length by showing some examples.	1) Understand the concept of measurement.					2) Measuring weight activity.
		To use measuring tools.		Step-3 Teacher will explain the units of measuring length.	2) Understand the standard and non-standard units of measurement.					3) Measuring capacity activity.
				Step-4 Teacher will explain the standard and non-standard units of measurement.	3) Understand the types of measurements and their units.					
				Step-5 Teacher will conduct an activity.	4) Measure different objects,things,length,height,weight etc					
				Step-6 Teacher will narrate the story and explain the concept of measuring weight.	5) Understand the difference between weight,capacity and length.					
				Step-7 Teacher will explain the units of measuring weight and conduct an activity.						
				Step-8 Teacher will explain the concept of measuring capacity with examples.						
				Step-9 Teacher will explain the units of measuring capacity and conduct an activity.						
11	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:	Ice cream sticks,glue,coloured paper,sketch pens,charts,shapes,thread,video.	Classroom,math lab	pg.no 147 to 156 workbook	10	1) Parts of plane shapes
		To recognize shapes in the environment.		Step-2 Teacher will explain the concept of plane and solid shapes with the help of charts.	1) Understand the basic shapes.					2) Lines activity
		To recognize a repeating pattern.		Step-3 Teacher will show plane and solid shapes to the children.	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 and types of patterns.	4) Understand the concept of types of lines.					
				Step-6 Teacher will conduct an activity.	5) Draw shapes.					

				Step-7 Teacher will show a video.	6) Understand the concept of solid shapes.					
				Step-8 Teacher will explain the types of lines and conduct an activity.						
12	Time	To read and tell time.	Explanation,discussion ,writing,reading,interaction.	Step-1 Teacher will narrate a story and introduce the topic.	Students will be able to:	Charts,A4 sheet, sketch pens,watch,clock,digital clock,calendar.	Classroom	pg.no 157 to 166 workbook	10	1) To create a calendar
		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.					2) Time activity
		To identify the hour and minute hands.		Step-3 Teacher will 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.					
13	Money	To add or subtract small amounts of money.	Explanation,discussion ,writing,reading,interaction,problem solving.	Step-1 Teacher will narrate a story ans asks various question and introduce the topic.	Students will be able to:	Play money kit,coins,notes, flash cards,charts.	Classroom	pg.no 167 to 175 workbook	10	1) Drama on money
		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 conduct a drama in the class.	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 problem sums of money.					
14	Data Handling	To collect,record and interpret data.	Explanation,discussion ,writing,reading,interaction,problem solving.	Step-1 Teacher will give a small activity to the childrens and introduce the topic.	Students will be able to:	Charts,matchboxes,v ideo.	Classroom	pg.no.176 to 184 workbook	8	1) To collect data

		To represent data using symbols and pictures.		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.					