



ATUL VIDYALAYA
Comprehensive Lesson plan

Subject: Mathematics

Std: I

Topic: Arithmetic Operations: Addition & Subtraction

Total No. of periods required to complete the topic: 6







Scope of topic: Addition and Subtraction of 1 and 2 digit numbers








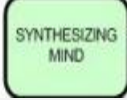






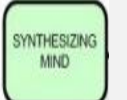
GLOBAL GOALS











- To know that we cannot grow and live without addition.
- To understand that except for values and learning, most things are subtracted as they are added.










LEARNING GOALS:

- To recognize, extend and create numerical and spatial relationship.
- To recognize and understand the simple relationship between addition and subtraction.
- To use addition and subtraction in our daily life.

PERIOD	CONTENT	SPECIFIC GOALS	OUTCOME	LEARNING ENGAGEMENTS	TOOLS STRATEGIES RESOURCES	LEARNING PERSPECTIVE				
						<u>MI</u>	<u>HAT S</u>	<u>BLOOM S</u>	<u>MINDS</u>	<u>CONNECT ION</u>
1	Introduction of the topic Addition (one digit- oral)	To understand that we need addition to grow and live To understand the vocabulary of addition To add numbers	Students will compare -- age over three years --size at birth and now with the help of photographs. Students will look at a glass of lemonade that they have prepared and list what has been added in the glass to make it. • The students will respond to addition words • The students will add two one digit numbers orally	Watching PPT Doing an experiment and listening to the explanation. Watching the PPT and Video of Introduction of Addition. Class activity – Students will be having objects – teacher will be calling out sentences with addition words. (Students will add the objects like bottle tops, ice cream sticks, pebbles ..) Students will be responding with answers	<ul style="list-style-type: none"> Photograph of lemonade. Compare the size through photograph of students LA-1 LA 1 PPT Video LA-2 	  	 Facts			Text to self

2	Addition (one digit written)	To add the objects and one digit numerals	<ul style="list-style-type: none"> The students will find out the total. 	<p>Students will be given bottle tops. Questions like $3 + 4 = \text{-----}$ $2 + 5 = \text{-----}$ Will be written on the PPT and students will put together the bottle tops , find the answers and write them in their note books.</p> <p>Class activity- Give them a two digit numeral as answer and ask them to frame questions regarding the same. (E.g. 9 is answer. Questions they are supposed to make are $8+1$, $4+5$)</p>	<ul style="list-style-type: none"> The questions. Worksheet based on numerals and objects Pair and Share LA-3 The Reverse 	 Picture Smart <i>(Spatial/Visual)</i>  Number Smart <i>(Logical/Mathematical)</i>	 Facts  Process	 Remembering  Applying	 DISCIPLINE MIND  SYNTHESIZING MIND	
3	Addition two digit written)	To add two digit numerals	<ul style="list-style-type: none"> The students will identify the total of two digit numerals 	<ul style="list-style-type: none"> Listen the explanation. (Demonstrate three or four sums on the black board drawing columns.) Completing the worksheet 	<ul style="list-style-type: none"> Worksheet Pair and share LA-4 	 Number Smart <i>(Logical/Mathematical)</i>	 Process  Feelings	 Remembering  Applying	 DISCIPLINE MIND  SYNTHESIZING MIND	

4	Introduction of the topic Subtraction (one digit oral)	To understand the concept and vocabulary of subtraction To understand that addition and subtraction are related to each other To subtract one digit numbers	<ul style="list-style-type: none"> The students will list what has been subtracted when added to another source The students will respond to subtraction words <ul style="list-style-type: none"> The students will subtract two one digit numbers orally 	<p>Making lemonade and asking – what was subtracted from the lemon – what was subtracted from the water bottle – what was subtracted from the sugar bowl?</p> <p>Watching the PPT and Video of Introduction of Subtraction.</p> <p>Doing Class activity – students will be having objects – teacher will be calling out sentences with addition words – students will be responding with answers</p>	<ul style="list-style-type: none"> Photograph of a sugar jar and water bottle with lemonade glass. LA-5 <ul style="list-style-type: none"> PPT Video LA-5 	 Picture Smart <i>(Spatial Visual)</i>  Music Smart <i>(Musical)</i>  Word Smart <i>(Linguistic)</i>	 Facts			Text to self
5	Subtraction (one and two digit written)	To subtract two digit numerals	<ul style="list-style-type: none"> Identify the difference of the two digit numerals 	<p>Doing Subtraction activity through numbers, bottle tops flash cards, ice-cream sticks and fingers.</p> <p>Doing Class activity-Give</p>	<ul style="list-style-type: none"> The questions Pair and share Worksheet on 	 Picture Smart <i>(Spatial Visual)</i>	 Process			

			<p>them a two digit numeral as answer and ask them to frame question regarding it. (E.g. 40 is answer. Questions are 90-50,80-30)</p>	<p>subtraction</p> <ul style="list-style-type: none"> The Reverse LA-6 	 	<p>Applying</p>			
6	Recapitulation	To check their understanding	<p>Solve the problems Tell the student to draw a family tree. Add total number of family members from mother's side and father's side.</p> <p>Also find out from whose family side (mother's or father's) have more members and how many ?.</p>	<ul style="list-style-type: none"> Giving them a worksheet of mix numeral based on addition and subtraction 	<ul style="list-style-type: none"> Revision worksheet LA-7 	    	<p>Evaluating</p>		Text to self

BIBLIOGRAPHY:

- I. CORE BOOK AUTHOR :
- PUBLICATIONS :

- II. REFERENCE BOOK/S AUTHOR :
PUBLICATIONS :

- III. WEBSITES :WWW.GOOGLE.COM