LESSON PLAN 9

TEACHER'S NAME: SUBJECT: MATHEMATICS

CLASS: 6 UNIT: DATA HANDLING No. of Periods: 9+9=18

PERIOD ALLOTMENT Time line for **NO OF PERIODS REQUIRED** teaching NAME OF THE **SUB-TOPICS** UNIT TOTAL **Teaching** Practice From To 9.1 **PRE-REQUISITES & INTRODUCTION** 1 1 2 9.2 **RECORDING DATA** 4 4 8 9.3 **ORGANISATION OF DATA** DATA **HANDLING** 9.4 **PICTOGRAPH** 4 4 8 INTERPRETATION OF A PICTOGRAPH 9.5 TOTAL 9 9 18

PRE-REQUISITES OF THE LESSION

LEARNING OUTCOMES

Every Pupil is expected to have basic knowledge in

- # Different number systems like Natural Numbers, Whole Numbers & Integers
- # four basic operations +,-,x,÷
- # saggregating different data basing on their alikeness.
- # tabulating different numbers according to their nature

After Completion of this lesson every student will be able to

- # record data in a systematic way
- # Organise the recorded data in a convenient way for tabulation
- # Interpret the data in a pictograph
- # Utilize the concept of representing data in Pictographs in real life sums
- # appreciate the utility of "Data Handling" in real life sums

TEACH	ING PERIOD : 1 (PRE - REQUISI	TES & INTRODU	CTION)				
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)	GROUP ACTIVITY (WE DO)	INDIVIDUAL ACTIVITY (YOU DO)				
PRE REQUISITES	Brain storming session invoving children with pre-requisites vocabulary and concepts related to previous knowledge. Introduction of new vocabulary and key words associated with the concept through questioning # data # numbers # tabulation # recording # organizing # interpretation	* Students read the pre- requisites and answer the questions to the teacher (whole class activity)	Every Pupil will read and write the key words in their note books				
MIND MAPPING	Teacher writes the key word " DATA HANDLING " on the black board and will elict its other related words through questioning DATA TABULATION DATA HANDLING RECORDING ORGANIZING	Hetrogeneous groups are created. One group will read the words and other will explain the meaning	Pupils individually read the keywords associated with the lesson				
RELEVANCE OF THE LESSON	Teacher conducts a discussion on the importance of the lesson through questioning ex. 1. What is meant by Data? 2. How to present data to read and understand it easily? 3. Suppose IPL matches are going on while a player comes to play a table appears on the screen. What type of data will be there in the screen?	Students participate in the discussion and ask questions	Pupils individually write their responses to the questions asked				
CONCEPT MAP	Teacher displays the concept map depicting various concepts that pupil are going to learn in this lesson	Whole class read the concept map					
RECORDING DATA DATA HANDLING INTERPRETING DATA PICTO GRAPH							
ASSESSMENT	Teacher asks children to give some examples of real life where data is utilized,organized,tabulated,and analysed	every group will do the task by discussion among each other	every individual solves the task on their own				

PRACTICE PERIOD: 1									
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)				GROUP ACTIVITY (WE DO)	INDIVIDUAL ACTIVITY (YOU DO)			
KEY WORDS READING	Teacher writes the key words from previous class's teaching period and asks children to read and write them in note books # data # numbers # tabulation # recording # organizing # interpretation						n to	Students read these key words in groups and will try to give examples to each key word	Every child comes to the board and reads the key words and notes them down in their note books
SIMILAR LINES READING	Teacher writes some information by reading a tabular data and asks children to write some more by watching similar lines.					o write	_	Each group will observe the similar lines and will frame some more by	Every Individual will frame some more using similar lines
(ऐ) ICC MEN'S	CRICKET AFTER MA PLAYED			P IND	IA 20	23 NRR		discussion	
SOUTH AFRICA Q AUSTRALIA Q NEW ZEALAND Q PAKISTAN AFGHANISTAN HENGLAND BANGLADESH SRI LANKA NETHERLANDS TOP 4 TEAMS	9 9 9 9 9 9 9	9 7 7 5 4 4 3 2 2 2 Y FOI	0 2 2 4 5 5 6 7 7 7 R THE	0 0 0 0 0 0 0 0 0 SEMI	18 14 14 10 8 8 6 4 4 4 I-FINA	2.57 1.26 0.84 0.74 -0.20 -0.34 -0.57 -1.09 -1.42 -1.83 (LS			
SUMMARY/ SYNOPSIS	Teacher writes synopsis on the board "Data is a collection of numbers gathered to give some information."						ed to	pupils will note down and read the summary in groups	every individual spells and reads the summary and notes it down
WRITING/ EDITING	Teacher condcuts a dictation on key words ,pre-requisites and similar lines and asks children to exchange books for editing after writing is finished.					nd ask	S	One group will check the writings of the other and vice versa	Slow learners are focused and teacher will ascertain that every individual learns the

TEACHING PERIODS: 2 to 5 (RECORDING DATA, ORGANIZATION OF DATA)								
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)	(GROUP ACTI (WE DO)		INDIVIDUAL ACTIVITY (YOU DO)			
KEY WORDS	Brain storming session invoving children with key words # Recording Data # Tally Marks # Tabulating Data	* Students read the keywords answer the questions to the teacher (whole class			Every Pupil will read and write the key words in their note books			
CONCEPTUAL UNDERSTANDING	Teacher conducts an activity involving heterogeneous groups where each group will be asked to collect data regarding interest of each pupil in the school among different available fruits. After collecting the data	erogeneous groups where each group will asked to collect data regarding interest of pupil in the school among different			every child learns the concept through the learning acitivity and observation of TLM			
	teacher asks each group to tabulate the in such a way everyone should easily understand the way it was represented. Here teacher explains the usage and importance of		FRUIT	TALLY	MARKS	NO.OF PUPILS HAVING IT AS FAVOURITE		
LEARNING ACTIVITY	"Tally Marks" while representing a frequently repeated fruit. Later teacher demonstrates the way of organizing the recorded data using	OF	iango Range Uava	HI HH HH		18 11 13		
	tally marks with an illustration.	PII	NE APPLE Anana	## ## III		8 15		
SUMMARY	Teacher once again writes important key words and procedures and asks children to note down and adopt.	Pupils will note down and read the summary in groups Every individual the summary and it down and adop procedure		mmary and notes n and adopts the				
ASSESSMENT	Teacher gives some questions from Try These sections as well as some examples and asks children to solve those sums	Every group will do the sums by discussion among each other Every individual solution the sums on their o						

PRACTICE PERIODS : 2 to 5 (RECORDING DATA, ORGANIZATION OF DATA)									
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)					JP ACTIVITY	INDIVIDUAL ACTIVITY		
KEY WORDS READING						class activity: d comes to the and reads the rds loudly and maining class follows.	Every ch board ar words a	ild comes to the nd reads the key and notes them in their note books	
SIMILAR LINES READING	tabular	Teacher will organize some collected data in a tabular form using tally marks and will ask children to do some more using similar lines will frame some more by discussion						Every Individual will do a few more by watcing similar lines	
		SPORT	VI <i>F</i>	ARKS	NO.OF PU HAVING IT FAVOURI	ΓAS			
		CRICKET	### ###	Ш	t ###	20			
		VOLLEY BALL HIT HIT I				11			
		KABADDI	### ###			14			
		кно кно	1111			9			
		FOOT BALL	1111 1111	НН	r	15			
SUMMARY/ SYNOPSIS	, , , , ,					procedure		ner focuses on individual so that child is able to	
WRITING/ EDITING	8.3 & 8.4 and asks children to solve those					One group will check the writings of the learn the		the concept in sive upcoming tice sessions	

TEACHING PE	RIODS: 6 to 9 (PICTO GRAPH, INTE	RPRETATION OF A	PICTOGRAPH)	
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)	INDIVIDUAL ACTIVITY (YOU DO)		
KEY WORDS	Brain storming session invoving children with key words # Picture # Graph # Pictograph # Interpretation	* Students read the keywords answer the questions to the teacher (whole class activity)	Every Pupil will read and write the key words in their note books	
CONCEPTUAL UNDERSTANDING	Teacher conducts an activity involving heterogeneous groups where each group will be asked to interpret an already tabulated data in such way that they should not write the numbers any where. Here teacher explains the context of pictograph as "A pictograph represents data through pictures of objects and helps the questions on the data at a glance" and guides children in representing data in the form of pictographs using some illustrations and finally explains	Each group will understand the concepts by participation in the activity Apple Jan Feb	every child learns the concept through the learning acitivity and observation of TLM	
LEARNING ACTIVITY	about the merits and demerits of a pictograph. Favorite Fruit Fruit votes votes votes votes votes votes votes	Mar Apr 5		
SUMMARY	Teacher once again writes important key words and procedures and asks children to note down and adopt.	Pupils will note down and read the summary in groups	Every individual reads the summary and notes it down and adopts the	
ASSESSMENT	Teacher gives some questions from Try These sections as well as some examples and asks children to solve those sums	Every group will do the sums by discussion among each other	Every individual solves the sums on their own	

PRACTICE PERIODS: 6 to 9 (PICTO GRAPH, INTERPRETATION OF A PICTOGRAPH)

CONCEPTS/STEPS	TEACHE	R ACTIVITY (I DO)	GROUP ACTIVITY (WE DO)	INDIVIDUAL ACTIVITY (YOU DO)		
KEY WORDS READING	class's teaching pe read and write the # Picture # Graph # Interpretation	n #Pictograph	Whole class activity: one child comes to the board and reads the key words loudly and the remaining class follows.	Every child comes to the board and reads the key words and notes them down in their note books		
SIMILAR LINES READING	an illustrative picto	swers for some questions on ograph and asks children to e using similar lines	•	Every Individual will do a few more by watcing similar lines		
	Flavor	Number	of children			
	Cheese		3			
	Pepperoni	69 69	Ba			
	Margherita	69 69				
	BBQ Chicken					
	Key:	Represents	4 children			
	2. Which flavor is I	iked by least? Ans: BBQ of children participated in				
SUMMARY/ SYNOPSIS	words and definiti	Teacher once again writes important key words and definitions and asks children to note down and adopt. Pupil groups will read and adopt the procedure				
WRITING/ EDITING	9.1 and asks child	Teacher gives some questions from Exercise 9.1 and asks children to solve those sums and teacher checks the writings of children other and vice versa				