	IN	TERPRETING, CONSTRUCT	ING AND PRESENTING DA	ТА	
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Interpret and construct simple pictograms and block graphs using practical equipment.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	Interpret and present data using bar charts, pictograms and tables	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	Complete, read and interpret information in tables, including timetables	Interpret and construct pie charts and line graphs and use these to solve problems
Ask and answer simple questions by counting the number of objects in each category and sorting the	Ask and answer simple questions by counting the number of objects in each category and sorting the				
categories by quantity	categories by quantity				
	Ask and answer questions about totalling and				
	comparing categorical data				
		SOLVING I	PROBLEMS		
		Solve one-step and two- step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	Solve comparison, sum and difference problems using information presented in a line graph	Calculate and interpret the mean as an average

Year One	Statistics-
Interpret and construct simple pictograms and block graphs using practical	Ask and answer simple questions by counting the number of objects in each
equipment.	category and sorting the categories by quantity
Use objects and pictures to create simple block graphs.	Understanding vocabulary such as sort, group, set.
Present information simple graphs where one symbol or	Allow children to sort a range of objects and to decide
block represents one unit.	their own criteria eg use a sorting jar with different
Use objects and pictures to create simple pictograms.	objects in.
	Respond to questions about how they sorted objects and
	why each object belongs in a set.
	Respond to questions such as 'How many?' 'Which is the most/least?'

Year Two Statistics-			
Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity	Ask and answer questions about totalling and comparing categorical data.	
Collect a range of data.	Understanding vocabulary such as sort, group,	Enter data into a simple computer	
Record data as a list	set, list, table, most common, most popular, least popular, least common.	data base.	
Record data as a table.	Allow children to sort a range of objects and	hypothesis eg. Count a show of hands	
Use objects and pictures to	to decide their own criteria eg use a sorting	to test the hypothesis 'most children	
create simple block graphs.	jar with different objects in.	in our class are in bed by 7:30'	
Present information in lists,	Respond to questions about how they sorted	Respond to questions about the data	
tables and simple graphs where	objects and why each object belongs in a set.	they have represented eg. How many	
one symbol or block represents	Sort a given set of shapes using two criterion	of our names have five letters?	
one unit.	such as triangle/not triangle blue /not blue.	Pose similar questions for others	
Use objects and pictures to create simple pictograms.	Ask children to explain their reasons.	about their data	
	Use graphs and tables etc which they have		
	recorded to communicate their findings.		
Use block graphs and			
pictograms where one unit			
equals one and one unit equals			
more than one.			

Year 3	Statistics
Interpret and present data using bar charts, pictograms and tables	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.
Collect data, interpret and construct simple pictograms.	To know which operation to use to solve a given problem
Collect data, interpret and construct simple tally charts.	Ask and answer simple questions by counting the number of objects
Collect data, interpret and construct simple block diagrams.	in each category and sorting the categories by quantity.
Collect data, interpret and construct simple tables.	Ask and answer questions about totalling and comparing categorical data.
Construct and interpret simple Venn diagrams and Carroll	
diagrams.	

	Year 4 Statistics	
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	To find the mode and range of data.
Read /collate tally charts	Understand the vocabulary of comparison, sum, difference	To know the vocabulary of mode/range.
Draw/read and interpret bar charts/graphs	Solve problems that involve two steps	Find the mode of data.
Draw/read and interpret line graphs	or more	Find the range of data.
Draw/read and interpret pictogram scales	Find starting points and identify key information	
Read a variety of different scales	Understand how to read various tables	
Changes over time		

Year 5 - Statistics			
Complete, read and interpret information in tables, including timetables.	Solve comparison, sum and difference problems using information presented in a line graph	To find the mode, median, mean and range of data.	
Interpret the information required	To understand the main differences between a bar	To know the vocabulary of	
from tables from the headings/	chart and line graph.	mode/range/median/mean.	
labels, including Venn diagrams and		_	
Carroll diagrams.	To be able to interpret the x and y axis of a graph.	Find the mode of data.	
Gather the data to complete a table.	To understand that a line graph show continuous data.	Find the range of data.	
Answer questions related to the	To recognise basic trends in a line graph.	Find the median of data.	
data gathered.	Be able to interpret a line graph , a c, the temperature	Find the mean of data.	
Be able to read 12hr and 24hr times.	at particular times, explaining how they know.		
Give a time that a bus/train arrives	Be able to compare e.g. temperatures at different		
at a particular station by interpreting a timetable.	times.		
. 2	Identify an increase/ decrease of a given number?		
Be able to calculate intervals of			
time.	Look at a range of data presented in a few different		
Give times of a bus, if it comes every 25mins.	ways, evaluate their effectiveness.		
	Be able to explain which ones are appropriate and which		
	ones are not and why.		
	Make decisions about how to present a set of data thev		
	have, explaining and justifying their choices.		

Year 6 - Statistics		
Interpret and construct pie charts and line graphs and use these to solve problems	Calculate and interpret the mean as an average.	
Make decisions about how different types of data can be presented.	Be able to explain what the mean is.	
Consider the type of data that could be presented in a line	To explain what an average is and how and when it can be useful.	
graph.	Give an example of when the mean of a set of data is useful.	
Be able to interpret a pie chart.	Find the mean of a set of data.	
Compare the different segments of a pie chart.	When given the mean, suggest possible set of data. (Inverse working)	
Interpret simple fractions of a pie chart - $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, 1/3 etc when		
the total amount represented is known.		
Be able to answer questions related to both line graphs and pie		
charts by interpreting the representation.		