ALDINGBOURNE PRIMARY SCHOOL PROGRESSION MAP

SUBJECT: MATHS – STATISTICS

INTENT

Our maths curriculum endeavours to ensure that children are equipped with a powerful set of tools this subject provides whilst immersing the children in creative, ALPS style learning. Through our innovative approach to maths, we provide the skills for the children to become fluent in the fundamentals of maths by developing a conceptual understanding and ability to recall and apply knowledge rapidly and accurately. The children will have the tools to make rich connections across mathematical ideas to develop fluency, reasoning and competence in solving increasingly sophisticated problems. Maths at Aldingbourne is designed to be fun and exciting as well as accessible to all learners so they can access this highly inter-connected discipline that has been developed over centuries.

AUTUMN	EYFS	KEY STAGE ONE		KEY STAGE TWO			
	YEAR R	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
KNOWLEDGE & SKILLS							

SPRING	EYFS	KEY STAGE ONE		KEY STAGE TWO			
	YEAR R	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
KNOWLEDGE & SKILLS				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.	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.	Solve comparison, sum and difference problems using information presented in a line graph. Complete, read and interpret information in tables, including timetables.	Interpret and construct pie charts and line graphs and use these to solve problems.

SUMMER	EYFS	KEY STAGE ONE		KEY STAGE TWO			
	YEAR R	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
KNOWLEDGE & SKILLS			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.				Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average.

IMPACT (END POINTS)

EYFS	KEY STAGE ONE		KEY STAGE TWO			
YEAR R	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
		A Year 2 mathematician can interpret and construct simple pictograms, tally charts, block diagrams and simple tables as well as ask and answer simple questions about data.	A Year 3 mathematician can understand and use simple scales in pictograms and bar charts with increasing accuracy. They continue to interpret data presented in many contexts.	A Year 4 mathematician understands and uses a greater range of scales in their representations. They begin to relate the graphical representation of data to recording change over time in a variety of graphs and charts.	A Year 5 mathematician can connect their work on coordinates and scales to their interpretation of time graphs. They have a solid understanding of a variety of graphs and tables including line graphs and timetables. They begin to decide which representations of data are most appropriate and why.	A Year 6 mathematician connects their work on angles, fractions and percentages to the interpretation of pie charts. They both encounter and draw graphs relating two variables, arising from their own enquiry and in other subjects. They know when it is appropriate to find the mean of a data set.

All knowledge and skills are recapped and applied to ensure embedding through morning maths jobs. This happens every Tuesday - Friday for 30 minutes in the junior classes. This happens on Tuesday – Thursday on alternate weeks for the infant classes.