

MATHS TREES OF KNOWLEDGE AND SKILLS PROGRESSION KS1- STATISTICS

	Year 1			Year 2		
	Autumn Term	Spring Term	Summer Term	Autumn Term	Spring Term	Summer Term
Knowledge	<ul style="list-style-type: none"> Know what a pictogram is and how to create and interpret one Sort information into 2 groups/ categories Know how to interpret a simple Venn diagram with 2 overlapping groups of information Know how to interpret values on a tally chart 	<ul style="list-style-type: none"> Sort information into 2 or 3 categories/groups of information Re-visit knowledge of how to interpret and create a tally chart Re-visit knowledge of what a pictogram is and how to interpret one Know how to record in a tally chart Know what a bar chart/block diagram is and how to interpret one 	<ul style="list-style-type: none"> Sort information into 2, 3, 4 or 5 categories/groups of information Re-visit knowledge of how to interpret a simple Venn diagram, with 2 overlapping categories of information 	<ul style="list-style-type: none"> Revisit knowledge of Venn diagrams, tally charts and pictograms through Flashback 4s 	<ul style="list-style-type: none"> Know different ways to present information/data: table, tally chart, pictogram, Venn diagram, bar chart/block diagram Know how to interpret information/data that is presented in different ways: table, tally chart, pictogram, Venn diagram, bar chart/block diagram Know that in pictograms a diagram/picture can represent 1, 2, 5 or 10 objects and know how to use this to interpret information/data represented by partial pictures 	<ul style="list-style-type: none"> Re-visit knowledge of how to interpret data presented in different ways: tables, tally charts, pictograms, Venn diagrams, bar charts/block diagrams Revisit knowledge that in pictograms a diagram/picture can represent 1, 2, 5 or 10 objects and know how to use this to interpret information/data represented by partial pictures

Skills

- Create pictograms together to present information about ourselves
- Sort information into two groups – understand that these groups might overlap meaning something could belong in both groups (Venn diagram)

- Gather data on a topic given by the teacher
- Gather data on a topic of interest
- Create pictograms and block graphs using a simple computer programme (2 Count)
- Answer simple questions by counting the number of objects in each category and sorting the categories by quantity

- Use Venn diagrams to present and interpret information
- Answer simple questions by counting the number of objects in each category and sorting the categories by quantity

- Draw pictograms (1-1)
- Interpret pictograms (1-1)
- Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

- Make tally charts
- Draw pictograms (1-1)
- Interpret pictograms (1-1)
- Draw pictograms (2, 5 and 10)
- Interpret pictograms (2, 5 and 10)
- Interpret and construct block diagrams
- 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

- Use data presented in different ways to answer problem-solving and reasoning questions
- Use data to ask questions

