Year 2 Computing — Data and Information										
Vocabulary			Knowledge							
Data	Information that could be facts, numbers or names	かっち 1	Pictograms and block diagrams							
Pictograms	A chart that uses pictures to display information	• • • • • • • • • • • • • • • • • • •	Data can be numbers, words or figures that can be used to understand information. Objects can be organised into groups, based on what they are or their properties (features). Data about different groups can be recorded and presented by using pictograms, tally charts							
Block chart	A chart that uses blocks to display information		and block charts. This data can answer questions and solve problems. A pictogram is a chart that uses pictures to display data. They can be							
Grouping	Sorting objects into groups		made using pen and paper or they can be made using a computer. The key on a pictogram is used to tell you what each picture stands							
Tallying	Collecting and recording data using tally marks		for. A block chart works in a similar way to pictograms, except each object is presented as a block.							
Tally chart	A chart that uses tally marks to display information in groups of 5	~~ \\ \ \	Computers can be programmed to count the amounts in each group. Objects can be put into different groups. These groups can be made up of objects that are the same, or objects that have the same properties.							
Compare	To describe the similarities or differences of items	* — X	Computers can be used to put the different objects into groups. Tallying helps to record as we count the objects. We write the tally marks in groups of five to make it easier to group.							
Organise	To arrange things in an order	¥≠≣	Tally charts are used to collect data about the number in each group quickly.							
Attribute	A feature of an object that can be used to describe and compare items		We can use computer programs like J2data to help create pictograms and block charts more effectively.							
Most common	The highest number of an item in a group		Pictograms can be used to answer questions and solve problems.							

Quizzing										Quiz at home			
Ask your partner the questions below. Can they find the correct answer on the right-hand side?									Ask your adult to look at the KO.				
What is data?	It tells you what each picture stands for											Quiz them using the vocabulary	
How many tally marks make a group?			A chart that displays information using blocks										and knowledge section or the quiz questions.
What does most common mean?			5										• Can they beat your score?
What is the key on the pictogram used for?			Information that can be names, numbers and figures										• Can they score more than 5? 10?
What is a block chart?			TI	he hig	hest r	ıumbe	-? -? -?						
BIG Questions						Beat							
 Which is quicker to draw: tally marks or a pictogram? Explain why Why is it important to use a key in a pictogram? How do tally charts help us when collecting data? How is a block chart different from a pictogram? What are the advantages of using a tally chart instead of writing the numbers? 			Your teacher can give 10 facts in 3 minutes about this top How many can you give to your partner?										PAR
Creative Tasks					W	ord s	earch	. – Cai	n you	find a	ıll the	word	
 Sort a set of objects by colour. How else could you sort them? 	В	L	0	С	K	С	Н	Α	R	T	R	T	Attribute Block chart
2. Create a table to show how many boys and girls are	D	K	K	K	С	0	M	Р	Α	R	Е	Α	Common
wearing jumpers today.	А	Е	D	G	С	0	M	M	0	Ν	Р	L	Compare
3. Create a tally chart marking the favourite fruit of your class	Т	Υ	0	R	G	Α	Ν	ı	S	F	R	ı	Data
and record the results.	'	•		1	Ü	, ,			Ü	_		-	Grouping
4. Use j2data at home to change the dataset into a pictogram	A	В	ı	G	R	0	U	Р	ı	Ν	G	Υ	Groups
or block chart.	Α	T	T	R	I	В	U	T	Ε	Ν	T	٧	Key
	Р	ı	С	Т	0	G	R	Α	Μ	Р	ı	В	Organise
		'	C	'		J	IX.	/ \	141	'	J	U	Pictogram
	R	W	- 1	G	R	O	U	Р	S	M	Η	Χ	Tally

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Types of charts

Collect data from your family about their favourite colour. Record your data in the tally chart and create your own chart.

Colour	Total
Red	
Blue	
Green	
Other	

Create your own pictogram

Favourite colours

Using the completed tally chart, complete the pictogram.

