

SKILLS	Record data in a tally chart Represent a tally count as a total Compare totals in a tally chart	Enter data onto a computer Use a computer to view data in a different format Use pictograms to answer simple questions about objects	Organise data in a tally chart Use a tally chart to create a pictogram	Tally objects using a common attribute Create a pictogram to arrange objects by an attribute Answer 'more than'/'less than' and 'most/least' questions about an attribute	Choose a suitable attribute to compare people Collect the data I need Create a pictogram and draw conclusions from it	Use a computer program to present information in different ways Share what I have found out using a computer	Children will begin to understand what the term data means and how data can be collected in the form of a tally chart. They will learn the term 'attribute' and use this to help them organise data. They will then progress onto presenting data in the form of pictograms and finally block diagrams. Children will use the data presented to answer questions.
KNOWLEDGE	Know what a tally chart is and why we use them	Know what pictograms are Understand what data is and how to store it digitally	Explain what a pictogram shows	Know what pictograms and tally charts are and how we use them	Know what pictograms and tally charts are and how we use them to analyse data	Give simple examples of why information should not be shared	Children will understand what tally charts and pictograms are and how/why we use them to collect and analyse data.
LESSON LINK	Pictograms	Pictograms	Pictograms	Pictograms	Pictograms	Pictograms	
PROGRESSIVE VOCABULARY	more than less than most least organise data object tally chart votes total	pictogram enter data tally chart compare more than less than objects count	rally chart data pictogram explain more less most least more common least common	attribute group same different object more than / less than most / least	attribute compare tally chart pictogram more than less than most popular least popular	tally chart pictogram block diagram most least common sharing data	Children will be able to understand, articulate and use the vocabulary.
CURRICULUM EXPERIENCES					Adding in data collecting for class discussions, school council meetings etc		
END POINT	Children will begin to understand the importance of organising data effectively for counting and	Children will become familiar with the term 'pictogram'. They will create pictograms manually and	Children will think about the importance of effective data collection. They will consider the benefits of	Children will think about ways in which objects can be grouped by attribute. They will then tally objects	Children will understand that people can be described using attributes. They will practise using attributes	Children will be shown alternative ways to present data, other than using tally charts and pictograms.	

	<p>comparing. They will create their own tally charts to organise data and represent the tally count as a total. Finally, children will answer questions comparing totals in tally charts using vocabulary such as 'more than' and 'less than'.</p>	<p>then progress to creating them using a computer. Children will begin to understand the advantages of using computers rather than manual methods to create pictograms, and use this to answer simple questions.</p>	<p>different data collection methods and why, for example, we would use a pictogram to display the data collected. They will record their data collection using a tally chart and use this to make a pictogram on a computer. Children will explain what their finished pictogram shows by writing a range of statements to describe this.</p>	<p>using a common attribute and present the data in the form of a pictogram. Children will answer questions based on their pictograms using mathematical vocabulary such as 'more than'/'less than' and 'most'/'least'.</p>	<p>to describe images of people and other children in the class. The children will collect the data needed to organise people using attributes, and create a pictogram to show this pictorially. Finally, children will draw conclusions from their pictograms and share their findings.</p>	<p>They will use a pre-made tally chart to create a block diagram on their device. Children will then share their data with a partner and discuss their findings. They will consider whether it is always OK to share data, and when it is not OK. They will know that it is alright to say no if someone asks for their data, and how to report their concerns.</p>	
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