





MEDIUM TERM PLANNING

Subject	Topic/Key Question	Year Group	Term	Time Allocation
Computing	Data	Year 2	Summer 2	6 hours
 Software/App –				
 Vocabulary				
<ul style="list-style-type: none"> • More than • Less than • Most • Least • Organize • Data • Object • Tally chart • Votes • Total • Pictogram • Enter • Compare • More common • Least common 				
<ul style="list-style-type: none"> • Count • Attribute • Most popular • Least Popular • Conclusion • Share 				

Lesson Sequence	Time Allocation	Key Question/W ALT	Teaching Activities	Resources
Lesson 1	1 hour	WALT: use tally charts and compare totals	<p>During this lesson learners will begin to understand the importance of organising data effectively for counting and comparing. They will create their own tally charts to organise data and represent the tally count as a total. Finally, learners will answer questions comparing totals in tally charts using vocabulary such as ‘more than’ and ‘less than’.</p> <p>Introduction: To assess the learners’ ability to reliably count groups of objects.</p> <p>Activity 1: To assess the learners’ ability to create a tally chart and represent a tally count as a total.</p> <p>Activity 2: To assess the learners’ ability to compare totals in a tally chart and answer questions.</p> <p>Plenary: To assess the learners’ ability to match tally charts to a corresponding data set.</p>	Teach Computing Resources
Lesson 2	1 hour	WALT: enter data and view in different formats on a computer	<p>During this lesson learners will become familiar with the term ‘pictogram’. They will create pictograms manually and then progress to creating them using a computer. Learners 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>Introduction: To assess the learners’ understanding of what a pictogram is.</p> <p>Activity 1: To assess the learners’ ability to create a manual pictogram as a group, and to retrieve simple information, i.e. What is your group’s favourite colour?</p> <p>Activity 2: To assess the learners’ ability to enter data into a computer to create a pictogram.</p> <p>Activity 3: To assess the learners’ ability to answer simple questions based on the data.</p>	Teach Computing Resources Laptops or I pads Just 2 Easy: Pictogram (www.j2e.com)

Lesson 3	1 hour	WALT: create a pictogram	<p>During this lesson learners will think about the importance of effective data collection. They will consider the benefits of 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. Learners will explain what their finished pictogram shows by writing a range of statements to describe this.</p> <p>Introduction: Assess the learners' understanding of ways that data can be collected</p> <p>Activity 1: Assess the learners' ability to record data using a tally chart</p> <p>Activity 2: Assess the learners' ability to use a tally chart to create a pictogram</p> <p>Activity 3: Assess the learners' ability to explain what a pictogram shows</p> <p>Plenary: Assess the learners' ability to distinguish between true and false statements relating to a pictogram</p>	<p>Teach Computing Resources</p> <p>Laptops or I pads</p> <p>Just 2 Easy: Pictogram (www.j2e.com)</p>
Lesson 4	1 hour	WALT: answer questions about an object by an attribute	<p>During this lesson learners will think about ways in which objects can be grouped by attribute. They will then tally objects using a common attribute and present the data in the form of a pictogram. Learners will answer questions based on their pictograms using mathematical vocabulary such as 'more than'/'less than' and 'most'/'least'.</p> <p>Introduction: Assess learners' understanding of the word 'attribute' and how objects can be grouped by attribute.</p> <p>Activity 1: Assess learners' ability to create a tally chart, organising data using a common attribute.</p> <p>Activity 2: Assess the learners' ability to create a pictogram from their tally chart.</p> <p>Activity 3: Assess the learners' ability to answer questions based on the data presented in the pictogram.</p>	<p>Teach Computing Resources</p> <p>Laptops or I pads</p> <p>Just 2 Easy: Pictogram (www.j2e.com)</p>

			<p>Plenary: Assess the learners' ability to identify the attribute used to group objects.</p>	
Lesson 5	1 hour	<p>WALT: collect data, create a pictogram, and draw conclusions</p>	<p>During this lesson learners will understand that people can be described using attributes. They will practise using attributes to describe images of people and other learners in the class. The learners will collect the data needed to organise people using attributes, and create a pictogram to show this pictorially. Finally, learners will draw conclusions from their pictograms and share their findings.</p> <p>Introduction: Assess how confidently learners can describe people using attributes.</p> <p>Activity 1: Assess the learners' ability to use a range of attributes to describe people.</p> <p>Activity 2: Assess the learners' ability to create their own question and gather the relevant data.</p> <p>Activity 3: Assess the learners' ability to create a customised pictogram to present their data.</p> <p>Plenary: Assess the learners' ability to come to a conclusion based on the data collected.</p>	<p>Teach Computing Resources</p> <p>Laptops or I pads</p> <p>Just 2 Easy: Pictogram (www.j2e.com)</p>
Lesson 6	1 hour	<p>WALT: understand when it is appropriate to share data</p>	<p>During this lesson learners will be shown alternative ways to present data, other than using tally charts and pictograms. They will use a pre-made tally chart to create a block diagram on their device. Learners 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> <p>Introduction: Assess the learners' understanding of alternative ways to present data, rather than as a pictogram.</p>	<p>Teach Computing Resources</p> <p>Laptops or I pads</p> <p>Just 2 Easy: Pictogram (www.j2e.com)</p>

		<p>Activity 1: Assess the learners' ability to create a block diagram from a tally chart.</p> <p>Activity 2: Assess the learners' ability to share and discuss their data with a partner.</p> <p>Activity 3: Assess the learners' understanding of the importance of thinking carefully before sharing data, and understanding it is OK to say no to sharing data.</p> <p>Plenary: Assess the learners' preferences for presenting/analysing data.</p>	
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