

'LILIDOREI - WHAT'S YOUR STORY?'

Maths Statistics Unit of Work LKS2

For this unit of work the children will interpret and present data using bar charts and solve one-step and two-step questions using information presented in scaled bar charts.

LEARNING OBJECTIVE	LEARNING ACTIVITIES	RESOURCES
<p>I can recall my trip to Lilidorei and remember the key elements of our visit.</p> <p>You will already have completed this activity if you have used any of the other post visit resources.</p>	<p>You have now visited Lilidorei and seen the clans' houses but you will not have seen the clans themselves.</p> <p>Not one member of any clan has ever been seen by a human but we know that they are all working away with their magic to ensure that Christmas is a great celebration.</p> <p>We also know that some of the nine clans living in Lilidorei under Lord Elwin Drin's control are troublesome and some are helpful.</p> <p>Look at the names of the 9 clans that live in Lilidorei.</p> <p>Have a look at the clans' houses photographs.</p> <p>Can you remember which clan lives in each house?</p>	<p>Slides 3-12</p>
<p>Can you remember?</p> <p>You will already have completed this activity if you have used any of the other post visit resources.</p>	<p>Complete the 3 maths puzzles: estimating and rounding.</p>	<p>Slide 13</p>
<p>I can create a tally chart.</p>	<p>Read through the information on slide 15</p> <p>You are going to vote for your favourite Lilidorei Clan House.</p> <p>You can only vote once.</p> <p>All the Lilidorei Clan Houses that you visited will be displayed on the board.</p> <p>Decide which is your favourite Lilidorei Clan House and put your hand up to be counted when your favourite house is named.</p> <p>VOLUNTEER PLEASE</p> <p>One class member should count the number of hands voting for each Lilidorei Clan House and write them as a tally on the board.</p> <p>Display Slide 16 so the tally chart can be completed.</p>	<p>Slides 14-16</p>
<p>I understand the features of a bar chart.</p>	<p>Read through Slide 18</p> <ul style="list-style-type: none"> A bar chart is a simple and effective way to represent data. The title is a sentence which describes what the bar chart is showing. The vertical and horizontal lines are called axes. <ul style="list-style-type: none"> The vertical line going up is the y-axis. The horizontal line going across is called the x-axis. Both are always labelled so you know what is being shown. To interpret the data, you read the very top of the bar to see which number it reaches on the y-axis. <p>Activity – The Human Bar Chart Slide 19</p> <ul style="list-style-type: none"> Ask a class member to volunteer to be the Y axis? <p>Questions to ask the class:</p> <ul style="list-style-type: none"> What does the Y axis represent? How high must the Y axis be? Hint, look at the highest tally chart number! What scale shall we have up our Y axis? <p>Write the scale numbers on post-it notes and stick them in order on the volunteer who is the Y axis.</p> <ul style="list-style-type: none"> <p>Ask for 9 more volunteers who should be given one of the Lilidorei Clan House pictures.</p>	<p>Slides 17-19</p> <p>Volunteers x 10</p> <p>Post-it-notes</p> <p>Printed out pictures of each Lilidorei Clan House.</p> <p>https://www.stem.org.uk/resources/elibrary/resource/29194/data-handling</p>

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	<p>Children given pictures of the Lilidorei Clan Houses should curl up in a ball in a straight line.</p> <p>When told, they need to stretch themselves to the number of people who chose their Lilidorei Clan House using the scale of the Y axis volunteer.</p> <p>There should now be a human representation of a bar graph for the most popular Lilidorei Clan House according to the class.</p>	
I can draw a bar chart.	<p>Give the children each a piece of graph paper.</p> <p>Children should now attempt to complete their own bar graph for '<i>Our class's favourite Lilidorei Clan House.</i>' They should use all the information that they have been given prior and during the lesson.</p> <p>Not all children will require the instructions on Slide 21 to be given to them.</p>	<p>Slides 20-21</p> <p>Graph paper</p> <p>Pencils</p> <p>Rubbers</p> <p>Coloured Pencils</p> <p>Rulers</p>
I can interpret a bar chart.	<p>Bring the class together and look at slides 22-24.</p> <p>Children should now draw up a series of questions for their own graph that will be answered by their partner.</p> <p>They will need to have worked out the answers themselves before they pass their questions and graph to their partner.</p>	Slides 22-24