



Curriculum Outdoors

Curricular Area: Numeracy and Mathematics



E&O: I have used a range of ways to collect information and can sort it in a logical, organised and imaginative way using my own and others' criteria.

MNU 1-20b

Using technology and other methods, I can display data simply, clearly and accurately by creating tables, charts and diagrams, using simple labelling and scale.

MNU 1-21a

Learning Outcome: To select and use the most appropriate way to gather and sort data ie. a survey or group tallies

To display data using bar graphs including labelling and scales

Resources Needed

Natural Materials
Survey materials (if required) ie. paper, pencil and clipboard
Chalk

Activity

Two different types of activities to begin with:

1. Create a tally mark survey of something that interests the children ie. things in the playground, cars in the school car park or cars that drive past the school grounds in a set amount of time. Use this information to create a tally chart and then convert this into a bar graph. This can be done on the ground or back in class.
2. Allow the pupils 10 mins to go around the school grounds to collect objects. The pupils can sort these into their own categories – litter, not litter, natural materials, man made, plastic, pine cones, stones etc. Once pupils have collected, sorted and counted their materials, they can create a tally chart either on the ground or on paper to show what they have gathered. Then, again on the ground or on paper, the pupils can transfer this information into a bar graph. Remember to highlight the importance of a title, labelling, scale etc.

Assessment

- Observation of pupils
- Listening to pupil conversations
- Photographs of examples of tally charts and bar graphs
- Hard evidence of pupils work if completed on paper



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Curriculum Outdoors Attainment Challenge

Example photographs:





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