



Outdoor Symmetry


In this activity children create their own outdoor, large scale “Maths Attack” symmetrical pictures using themselves or loose materials.


Mathematics Activity


Middle Primary

 I have explored symmetry in my own and the wider environment and can create and recognise symmetrical pictures, patterns and shapes **MTH 1-19a**

 Complete a simple symmetrical figure with respect to a specific line of symmetry **(KS2)**

 Learners are able to draw lines of symmetry **(KS2)**

 ...Recognise line and rotational symmetry... **(KS2)**

 Identify line of symmetry in the environment & Use understanding of line symmetry to complete missing half of a ...pattern.(3rd and 4th classes)

This activity would be suitable for consolidating pupils' understanding of symmetry on a large scale and in a novel context - beyond the squared paper and peg boards!



Equipment

- A bank of loose materials such as scrap materials and natural items including sticks, cones and shells
- Short lengths of rope or string
- A camera

Activity

1. Begin with a hunt for symmetrical natural objects. They could even be classified as **horizontally, vertically** or **diagonally** symmetrical.
2. Children then work in teams to create a symmetrical large scale design using loose parts or themselves.
3. The line of symmetry can be demarcated using a rope or string.
4. Take a picture for assessment purposes

Extension: Can the group create a design with 2 lines of symmetry? Hint - many countries' flags such as Japan, Scotland or UK have 2 lines of symmetry.

For more resources call 01962 846 258 or visit www.ltl.org.uk/resources

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