



# Maths & Numeracy

// Activities & Games



## NATURAL SYMMETRY



### Overview

This activity looks at symmetry in a creative way with supporting learners to understand and use the properties of position and movement to create a reflective or rotational picture using natural materials.

### Supporting information & resources:

Natural materials

**OPTIONAL:** tape measures

### What to do...

- 1 Challenge the group to find something symmetrical in the surrounding environment. Leaves are a good choice as the veins are often symmetrical.
- 2 Explain to the group that they are going to create a picture using natural objects.
- 3 Ask them to create a frame for their picture using sticks, stones or drawing with chalk on a playground, or in sand on a beach.
- 4 Ask your learners to estimate, then measure the perimeter of their picture frame. They then need to divide the frame in half or quarters in the same way that they created the frame.

**Once this is completed, give the group time to collect a variety of natural objects.**

- 5 Now arrange the items in a symmetrical pattern in the frame.

// *Does the result look symmetrical from the other end?*

