

# SELF-LED ACTIVITY

## GARDEN GEOMETRY



KS1-2

KS3

### Recommended for

KS1-3 (Maths, Art)

### Learning objectives

- Identify different shapes and patterns in nature.
- Practise skills of repetition, rotation and reflection.

### Location

Anywhere in the gardens

### Time to complete

Approx. 30 minutes



### SUMMARY

#### GROUP SIZE AND EQUIPMENT

This activity works best when students work as individuals in the same area of the garden. Students will need to bring squared paper and something to write/draw with.

Please pick up clipboards from the cupboard in the Learning Centre, enough for one per student.

When you've finished, please put the resources back where you found them for others to enjoy.

Gather your group in an area of the garden with some interesting plants. Ask them to find a plant with eye-catching shapes and patterns. Encourage them to look closely for unusual examples of leaves, flowers, bark and seeds. Once they have found a plant they like, ask students to make a close-up observational drawing of the most intriguing part of the plant.

Following this, set students the challenge to use their squared paper to repeat their drawing twice more on the page. Now ask them to reflect it to create a mirror image of their original drawing. Finally, ask them to rotate their original drawing by 90°. They should now have created some interesting geometric patterns on their page.

#### MORE LEARNING IDEAS

Back in the classroom, students could use their drawings as inspiration for a William Morris style wallpaper, with repeating shapes and patterns made from things found in nature.