




## Quadrat Wildlife Searching


Learning outcomes:

KS1

- Explore and answer questions about plants and animals in their habitat.
  - Observe the growth of flowers and plants.
  - Understand the importance of biodiversity.
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KS2

- Explore and observe the variety of plants and insects in different environments.
- Understand the importance of biodiversity and its impact on ecosystems.



Looking at a park or a field you may only see grass, but really the chances are there are many different types of plants and insects living and thriving amongst the grass, even more so in summer with new plants and flowers appearing. In this activity, students can use a quadrat to observe and document the plants and insects living in grassy fields. By exploring and answering questions about plants and animals in their habitat, students can develop an understanding of the diversity and importance of biodiversity.

Contents Included:

- Quadrats (5)
  - Quadrat findings worksheet (photocopied for each student)
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Contents not Included:

- Pencil (1 per student)



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### Instructions:

1. Photocopy the quadrat findings worksheet for each student, keeping a master copy for future use.
2. Divide the class into 5 groups and provide each group with a quadrat, a findings worksheet, and a pencil for each student. Take the students outside to a grassy field or a biodiverse area. 
3. Instruct the students to carefully throw the quadrat onto the grass, ensuring it falls randomly in a selected place.
4. Ask each group to observe and record what they find within the quadrat. Encourage them to identify plants, flowers, and insects. On the findings worksheet, ask them to write and draw what they have discovered.
5. Once they have documented their findings, have the groups carefully throw the quadrat again to land in a new location. Instruct them to write and draw what they observe in this new area. Repeat this process until they have filled their worksheet. 
6. Once all the groups have finished, return to the classroom and discuss what they found as a class. Encourage them to share the most common findings and any unique discoveries. You may want to create a class chart to assess what was the most common. Prompt them to speculate on what they might find if they repeated the activity in a different environment, such as a forest or beach.

Vocabulary: Grassland, Habitat, Quadrat, Biodiversity, Plants, Insects, Observations, Findings, Recording, Diversity 