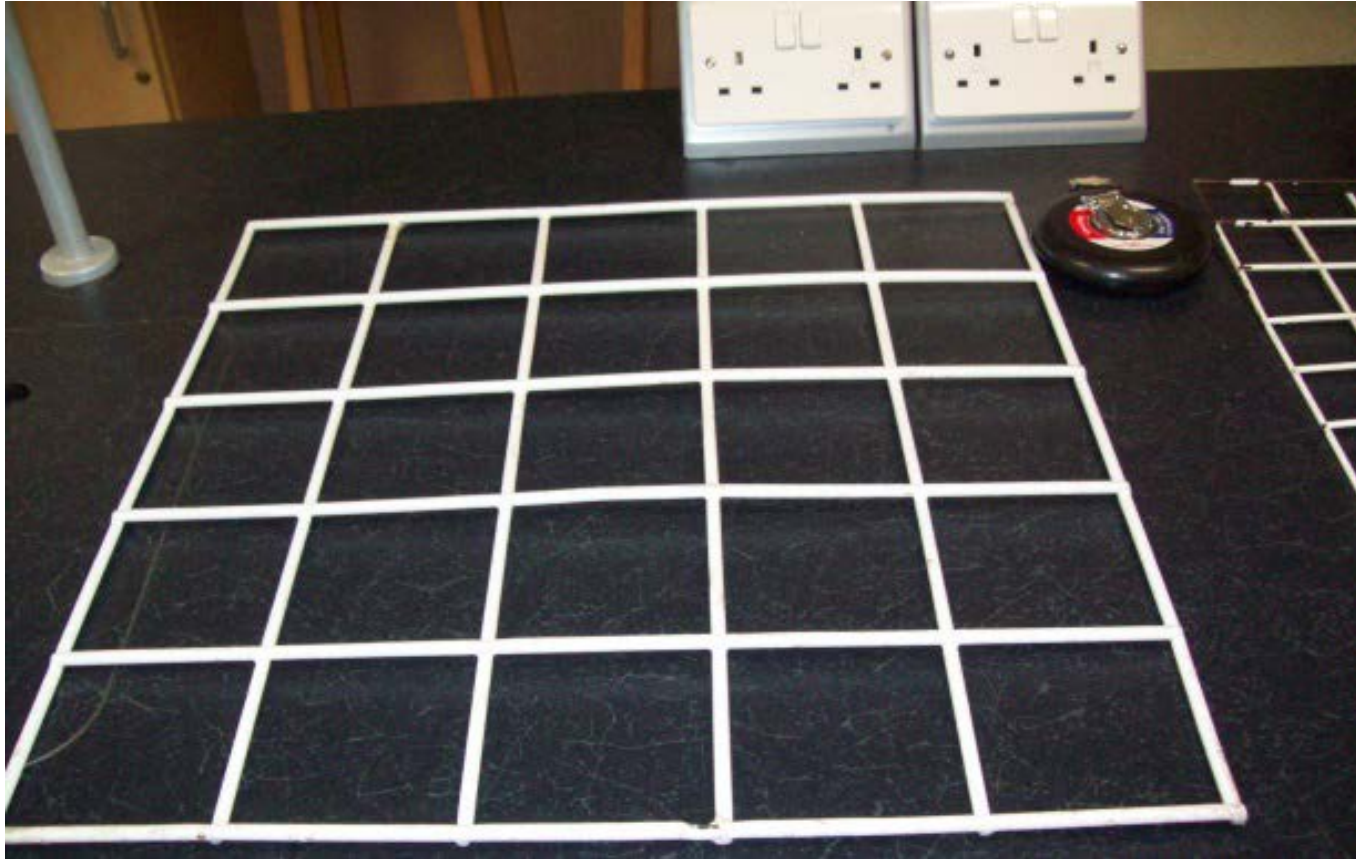


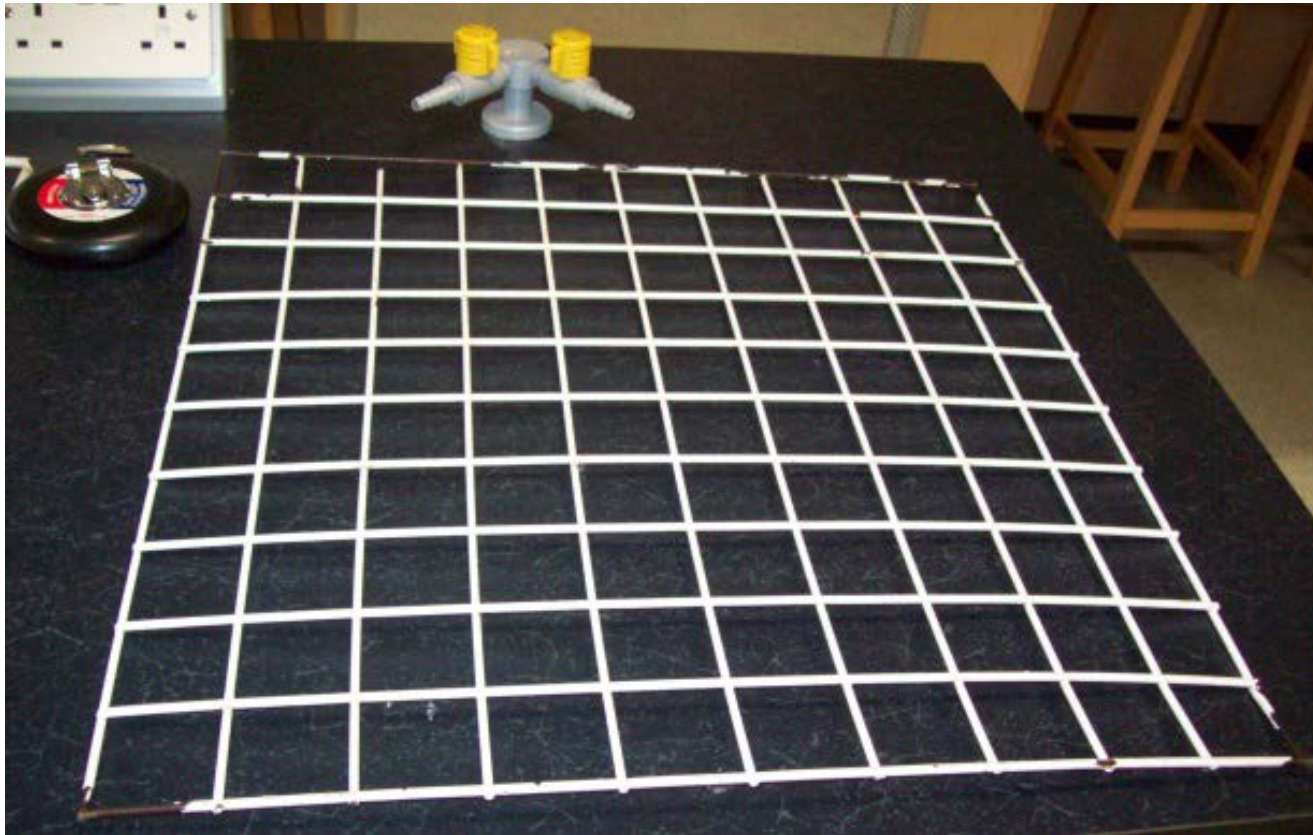
AS and A-level Biology practicals: Equipment set up

Practical 12: Investigation into the effect of a named environmental factor on the distribution of a given species

Quadrats



Quadrats



Quadrats

- Quadrats available in school can be used in place of a point quadrat if that is not available.
- Sampling can be done along a transect to look at environmental factors such as trampling or light intensity.
- Plant species studied can be determined by the teacher.

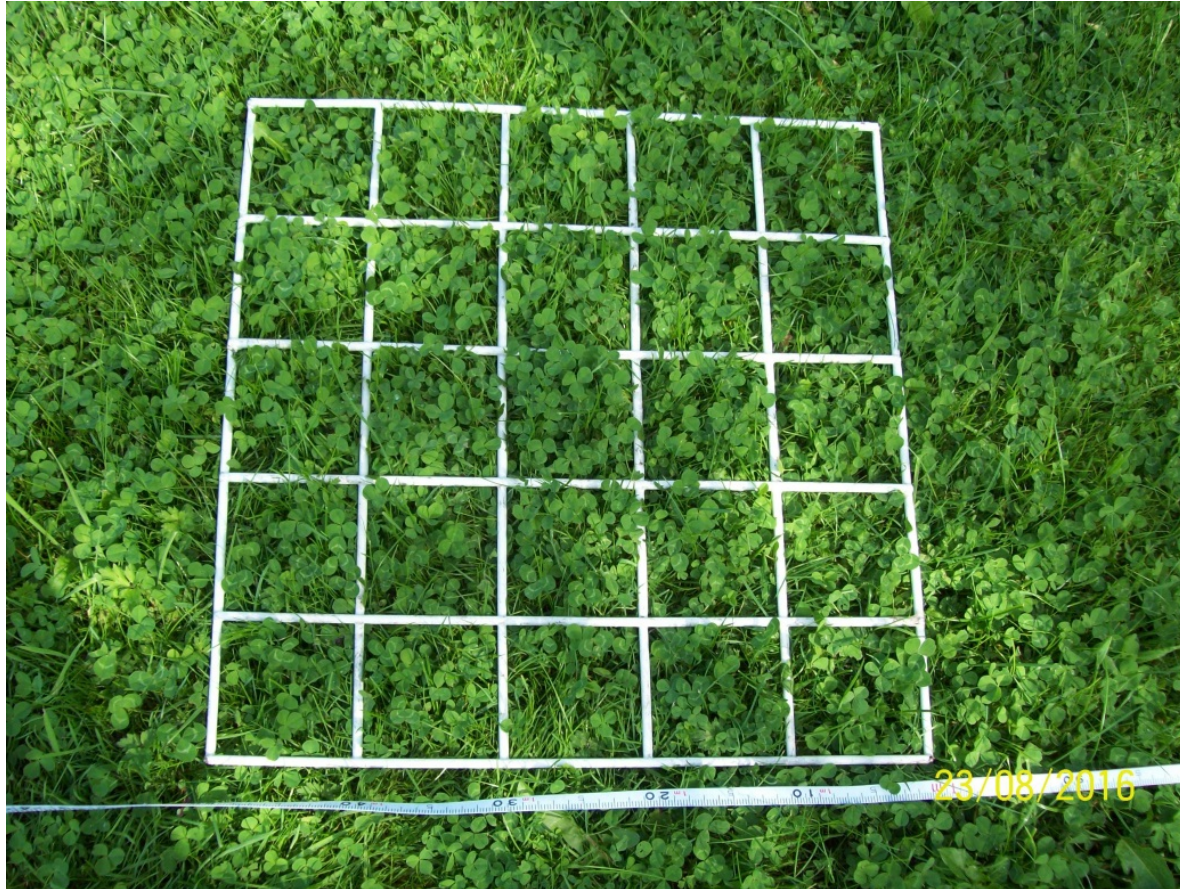
Sampling along a transect



Sampling along a transect

- Measure the area with tape measures.
- A shorter measure can be added to a longer measure to get the required transect width.
- If sampling an area lay two tape measures at right-angles to each other and generate co-ordinates within this area.

Typical plant growth away from a path



Typical plant growth away from a path

- The right hand corner of the quadrat is placed at a set point on the measure.
- The number of plantains in each of the sub-squares is counted.
- Here the clover has completely out-competed the plantains.