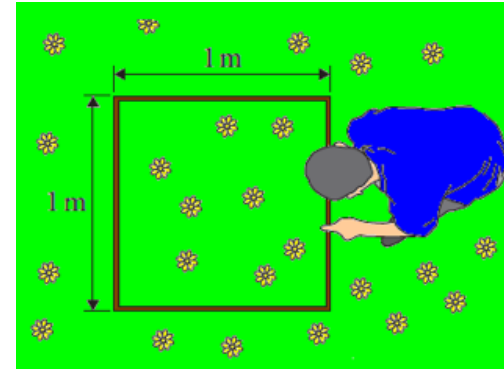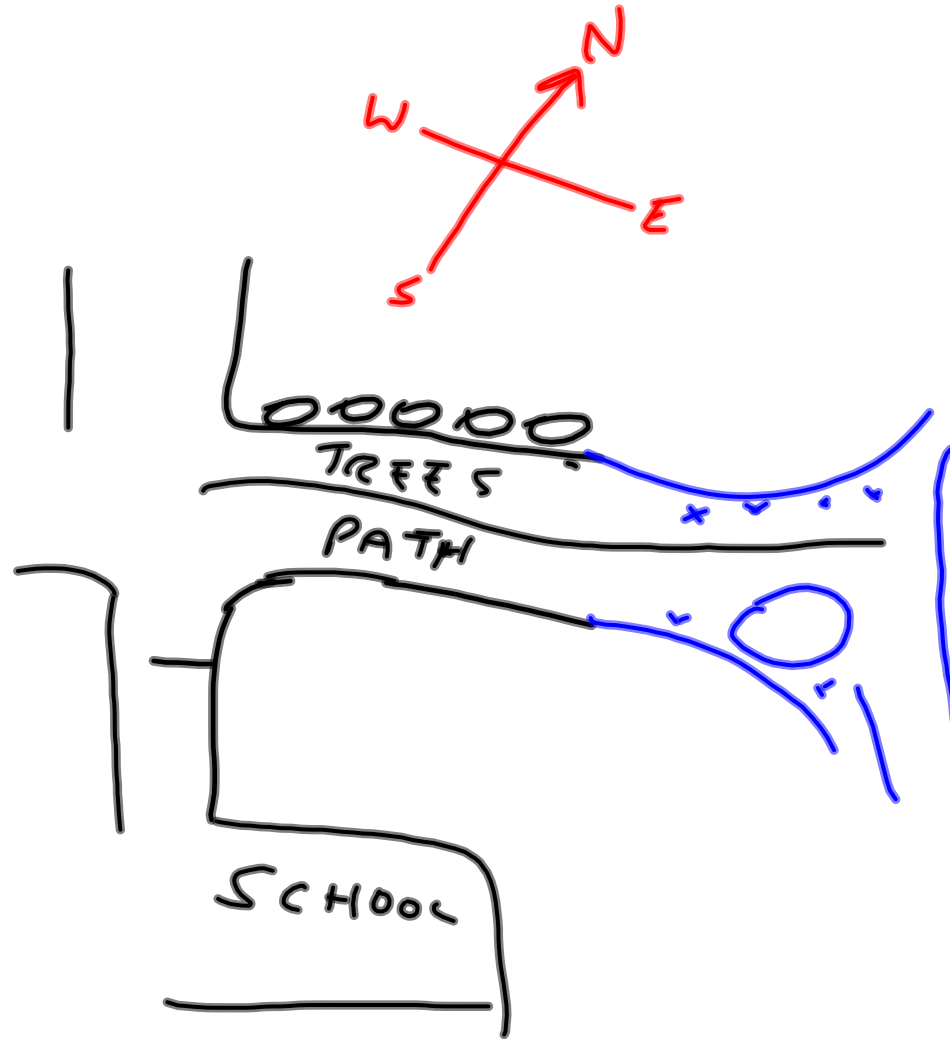# Habitat Study

1. Make a Map - use a compass
2. Measure environmental factors - wind, temperature, light
3. Identify Animals and Plants - using a key if necessary
4. Estimate the number and distribution of the plants
5. Write up your results.

Woodland/Grassland habitat

1. Date

2. To study a habitat using various instruments and to identify plants and animals.

3. Equipment used.

4. Step by Step of method of equipmeny used.

5. Step by step of Quadrat use.

Our quadrat was 1m squared and made of wood.
A pencil was thrown over our shoulder at random and the quadrat was placed there.
The names of the plants present in the quadrat were written down.
This was repeated 10 times and each plant was ticked off when present.

TREES

PATH

SCHOOL

Name	Where Found	Collection
Robin	under trees	looked
Oak	in the wood	By hand
Beech	in the wood	By hand
Ivy	on a tree	By hand
Holly	at edge	By hand
Nettles	at edge	Not collected
Buttercup	in grass	By hand
Grass	in soil	By hand
Dandelions	in grass	By hand
Woodlouse	under rock	Pooter
Slug	under rock	Collection jar
Spider	In tree	Beating tray

Name	1	2	3	4	5	6	7	8	9	10	Total	%
Grass	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	100
Dandelion	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	8	80
Buttercup	✓	✗	✓	✓	✓	✗	✓	✗	✓	✗	6	60
Daisy	✗	✓	✓	✓	✗	✓	✗	✓	✓	✓	7	70
Clover	✓	✓	✓	✓	✓	✗	✗	✓	✗	✓	7	70
Doc	✗	✓	✓	✗	✓	✗	✓	✗	✓	✗	5	50

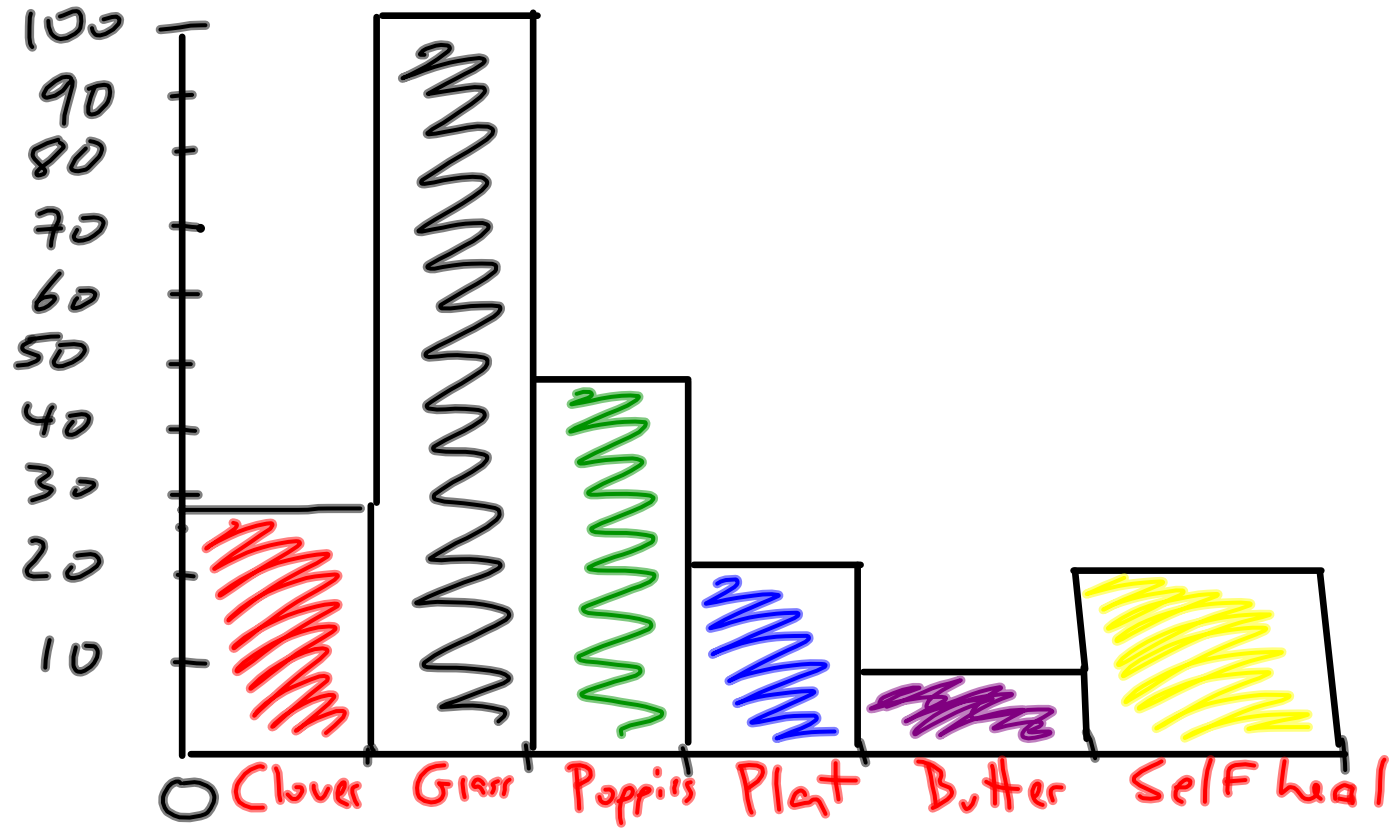$$\text{Clover} = \frac{4}{15} \times 100 = 27\%$$

$$\text{Grass} = \frac{15}{15} \times 100 = 100\%$$

$$\text{Poppies} = \frac{7}{15} \times 100 = 47\%$$

$$\text{Plantain} = \frac{3}{15} \times 100 = 20\%$$

$$\text{Buttercup} = \frac{1}{15} \times 100 = 7\%$$

$$\text{Self heal} = \frac{3}{15} \times 100 = 20\%$$

DAFOR

The Dafor scale is not good to use as everyone can have a different opinion

Dominant   e.g. grass

Abundant   e.g. poppies

Frequent   e.g. Clover

Occasional   e.g. Plantain, Self heal

Rare   e.g. Buttercup