**Kyle’s Little Book of Field Study: Site Introduction**



By Kyle Rockwell 2/3° Paula rockwell (415)-897-6179

**Objective:** To observe the changes of a specific site over 8 weeks.

**Site Description:** partial sun, tree provides much shade. No animals were seen, but some deer droppings were on the ground. The sounds of birds chirping and no distinct smells

**Prediction:** I predict that that the day and evening temperature will increase and the length of the day will be longer.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Measurement | Intro | Week 2 | Week 3 | Week 4 | Week 5 | week 6 |
| Plant 1 height | 100 ft | 100ft | 100ft | 100ft | 100ft | 100.1ft |
| Plant 2 height | 60 ft | 60ft | 60ft | 60ft | 60ft | 60ft |
| % of Poison oak covering area | %3 | %3 | %2 | %2 | %1.5 | 1% |
| Flying insects seen | ~6 | ~7 | 0 | 0 | 1 | 0 |
| Deer footprints/ droppings | 1 | 0 | 2 | 0 | 0 | 1 |
| Avg day Temp | 70 F | 70F | 65F | 60F | 65F | 70F |
| Avg evening temp | 60 F | 65f | 65F | 60F | 60F | 65F |
| avg rainfall | 0 in | 0 in | 1/10 in | 0 in | 0 in | 0in |
| day length | 14 HRs | 14:02 | 14:15 | 14:20 | 14:22 | 14:24 |



Map of Area Drawn by Kyle Rockwell



Picture of area

Focus questions

Wk1

1. Temperate woodland and shrubland, it fits the description
2. There are birds in trees, and bugs in the grass
3. Bugs eat grass, and birds eat bugs

Wk2

1. There is a rope swing, trash on the ground and carvings in the large tree
2. The ground is dry, there are rocks on the ground, and not many plants to eat

Wk3

1. The bacteria helps fixate nitrogen which is important for plants and animals
2. They are found in the ground, and they decompose
3. No

Wk4

1. The only invertebrates I saw were worms, and they were decomposers
2. They live in the dirt

Wk5

1. PLant 1 Dicot could tell by leaves

2. plant 2 dicot could tell by leaves

3. plant 3 dicot could tell by leaves

4 plant 4 dicot could tell by leaves

5. plant 5 monocot it was grass

wk6

1. Dermal, vascular, and ground tissue all have different function. vascular is for moving nutrients ground tissue is for storing nutrients, and dermal tissue is for protection
2. the nutrients are potassium nitrogen correct acidity and phosphorus
3. the different adaptations are poison oak causing rashes, the eucalyptus dropping nuts, and the oak leave being
4. birds pollinate, and bees and butterflies, can tell by how the flowers were.