Noyes Project Report

Field Biology

This is an individual assignment – it is due at the end of the period today. Please e-mail your work as a Word document attachment to Mr. Bregar at dan.bregar@corvallis.k12.or.us. This report will be a summary of the work you've done this week at the Noyes property.

1. Introduction: Briefly explain the "What is the relationship between" question that our class answered as a group. This section should be 3 – 4 sentences.

2. Methods: Describe how you collected the data for each factor of your question (both the soil texture and the plant types). This section should be a step-by-step list with 4-5 steps.

3. Results: Use the class data that has been posted to the web site to create your own data tables in Word. One data table should have all of the raw data that the class collected from each site at the Noyes property. The other data table should show the average amount of sand, silt, and clay at each site along with the soil texture name that accompanies those averages.

4. Discussion: Analyze the data that we collected by answering the following questions in paragraph form. You should write 2-4 sentences for each of these questions and your overall discussion should be 2-3 paragraphs long.

    a. Did the data we collected indicate that there were different soil textures at our different sites? What were these soil textures, and how different are they?
    b. Do you think that our data is accurate? Why or why not?
    c. Why do you think that it is reasonable that different types of plants would grow in different soil types?
    d. For each of the sites where we collected soil, explain how that soil texture might most benefit the plants that were growing in that location. (In other words, what are the advantages of higher or lower amounts of sand, silt, and clay for each of these vegetation types? Think about how soil texture influences soil moisture and soil nutrient content.)