

Lichen/Noyes Project Proposal

Field Ecology

This is an individual assignment. Please attach your work to an e-mail and send it to dan.bregar@corvallis.k12.or.us. The subject line of your e-mail should be “per. X your name lichen proposal”.

Introduction:

Question – In a short paragraph, explain your “what is the relationship between” question and the overall goal of your field study at the Noyes property.

Background Research – Discuss the following information in about one paragraph per question:

- What are lichens? How do the two organisms that make up lichens interact?
- Where and how do lichens get water, nutrients, and sugar energy?
- What are the requirements that lichens need to survive? How do these requirements influence the possible locations that lichens can live?
- How do lichens reproduce? Explain both vegetative and sexual reproduction briefly.

Hypothesis – Based on your background research, what do you expect the answer to your question will be and why? Your reasoning should consist entirely of scientific facts.

Methods:

In two step-by-step lists, describe how you will collect data for both factors of your question.

Proposed Analysis:

Explain how you will use your data to answer your question. Make sure to describe how you will organize your data in Excel, what types of graphs you will produce, and how you will interpret signs of correlation such as trend lines and R^2 values.