

Science Department All Class Project – Proposal continued

Field Biology

You now have developed your background information for your topic. This will help the other classes perform the study. Remember the criteria for this project. Does your question meet all of those criteria? Now you can develop additional pieces to your project. The steps below will help you identify if you have a study that can actually be carried out.

1. Hypothesis: What do you think is the answer to your question. What do you predict. Why ?

2 Methods: For each element of your question, describe HOW you will collect your data. Be as specific as possible – your methods should take the form of a step-by-step list that anyone could follow. In writing your methods, think about the instructions you would need to give someone in order for them to collect your data for you.

3 Data Form: Make a blank data form that you can take into the field with you when you collect data. The form should have blanks for all the necessary information you will be collecting – including the grid point location and spaces for any calculations you'll be making.

4. Materials: Include a list of all the materials you will need for your study and identify who will provide each material, be sure to check with a teacher to make sure those materials are available).

6. Proposed Analysis: In three or four sentences, explain how you will use your data to answer your question. Identify how you will need to format your data using tables and graphs, explain what the different possible answers to your question could be, and describe how your data will indicate which answer is the correct one.

This assignment is due at the end of the period today; please e-mail it to dan.bregar@corvallis.k12.or.us with the subject "per X *your name* Science Department Continued