

Science Department All Class Project - Proposal

Field Biology

The science department will be conducting a study. All grade levels will be participating in this project. The study will be broken into parts. **You are responsible for coming up with several questions and gathering background information.** A sophomore science class will choose from your topics and will develop the methods that will be used. A freshman science class will collect the data. Our goal is to provide enough information to allow other classes to complete the work.

The criteria for developing a question are as follows:

- This study must be achievable in one day.
- It must utilize only equipment we have available at our school.
- It must be science related.
- It must be appropriate for the school environment and meet all safety requirements

This proposal will identify the potential study you want to be carried out. Portions of this assignment will be done in groups, but each person will be turning in their own proposal.

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 Proposal”.

Your proposal should describe what you will investigate and how you will conduct your study. Use this format to compose your proposal.

1. Question: In “what is the relationship between” form, write the question that you will be trying to answer.
2. Background Information: This section of your proposal should consist of several parts:
 - a. A paragraph that describes the general location of your project.
 - b. 8 to 10 thoughtful paragraphs. These paragraphs can include but are not limited to...

Why is this topic important,

History about the topic,

History of similar studies

Any controversy,

Summaries/ reviews of literature,

Statements/quotes from experts on the subject,

information about individual factors

Equations or formulas needed

Tools that are typically used to do research or perform study.

Whatever else you find through research-

At this point, you do not need to include formal citations in your proposal, but you should indicate the websites from which your information was collected.

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Lesson Plan

Day 1

Wednesday, March 17, 2010

1st 7:45 – 9:20

3rd 9:30 – 11:05

Time	Task
2	1. Take Roll
5	2. 5 - Explain Project – If you were to do a project that involved the entire science department, what would it be? We are going to be part of a department wide project.
20	3. Plan A if weather is nice – introduce project go for 20 min. walk around campus to help with brainstorming ideas. – go to Noyes property, behind gym, track, parking lot. – Students must have 5 topics/questions to study 4. Plan B -Have each student come up with 5 questions that they might be interested in around the school.
10	5. Get into groups of 3 and share your projects ideas with others. As a group choose 3 topics that you like the most.
40	6. Each student is to go to a computer and perform research. Complete background information for your topic. See handout TURN IN WHAT YOU HAVE COMPLETED at end of class.
5	7. Clean –up – What are some of the topics that people have –

Day 2

Friday, March 19, 2010

1st 7:45 – 8:30

3rd 9:30- 10:15

Time	Task
2	Take Roll
10	Discuss next portion of project – Create methods for your topic
20	Create Methods , Materials, Hypothesis– laptops –Computer lab if available
3	Send in what you have --