Project Title: Cheese Making Lab

Project description:

The student will prepare an inquiry based lab which experiments with cheese making. This lab will study the effects and biological role of enzymes. The student's task is to make sure the experiment works and to figure out if the lab is appropriate for the students of a Biology I class. This lab has never been used in class due to concerns about time and sanitation. Because of these reasons, some of the criteria that will be used to determine whether to use the lab in class or not will be based on how much time it takes for the experiment to be successfully completed, whether or not the materials can be easily and affordably provided for the class, and the kind of difficulties faced in the process.

In addition to satisfying the normal objectives/competencies of the course, the student must complete the following objectives:

1. Submit a 5-10 page, CSF-style lab report which will describe the experimental protocol for a Biology I lab.
2. Prepare and deliver a presentation (5-10 minutes) to persuade the faculty of Biology (depending on the results of the experiment) whether or not this experiment is suitable for a Biology I class.
3. Meet up with the professor once a week or every other week to discuss the experimental progress.