

Project Development

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- a. Water quality Unit:
 - 1. Monthly IOWATER monitoring throughout the entire school year.
 - 2. Field work with Dr. Iqbal on the UNI campus learn about ground water and ground water quality.
 - 3. Student investigations/research partnered with the hydrology lab and potentially Dr. Iqbal's graduate students.
- b. Objectives/goals:
 - 1. Increase student's experiences with scientific inquiry.
 - 2. Expose students to colleges and research institutions.
 - 3. Add ground water curriculum into my water quality unit.
- c. Implementation statement:
 - 1. I would look to implement step a.1 starting in the fall with students in my honors section of environmental science. This would involve training them in the monitoring protocols and traveling into the field at least monthly.
 - 2. Steps a.2 and a.3 would be implemented in the spring trimester during our water quality unit. This will involve communication with Dr. Iqbal and arranging a visit the the UNI campus.
- d. Evaluation:
 - 1. Students will be evaluated through the completion and presentation of their projects. I would like this to potentially be a school or even community sharing possibly partnered with the former IGGIST project and the DNR.
 - 2. In addition I will be using a traditional paper assessment to determine the effectiveness of the additional ground water curriculum.