#1 AIR MODULE SCENARIO

The students in the class are a small environmental consulting firm. This type of company is hired by companies and government agencies to do research into environmental issues and impacts. Your class’s firm uses the team method with one head supervisor (the instructor). Each team takes an aspect of the problem at hand and does their own research, ultimately presenting their findings to the other teams. When the research is done, the whole firm drafts the final recommendations for the client.

Tasks for the class:

1. Decide on a name for your firm.
2. Decide on a logo or a slogan.
3. Split into four teams.
4. Choose a team leader for each team.
5. Choose a "role" for each remaining member of the team (i.e. Internet research, writer, speaker, visual design, etc.)

Your firm's first assignment:

A group of parents of high school students have gone to your local school board with questions related to their children’s asthma and respiratory problems. Several of them have heard reports linking asthma with school bus fumes, indoor carpeting or poorly maintained buildings. Your firm has been hired by the school board to explore the problem of asthma and respiratory problems, and to determine if there are an unusual number of cases in your school and what (if anything) is the cause the students’ breathing problems. The official contract between your firm and the school board has been provided.

Questions for the firm:

1) What is the problem?

Generate questions about what asthma is and what causes asthma/respiratory problems. Describe other types of respiratory ailments such as allergies, respiratory infections/colds. Raise the issue of air quality, and other factors affecting respiratory health.

2) What do we know?

Existing knowledge, rumors/myths, personal experiences, facts from the paragraph…

3) What do we need to know?

How many students have asthma/respiratory problems in our school? What possible sources of pollution are in our school, our community and our homes?
4) What might a "solution" be?

   How can the school board or the students identify air quality problems and find ways to minimize them?
   Can the students design a program to help students with their asthma, and /or understanding of air quality?
C O N T R A C T

The AMBIENT County School District hereby contracts with ____________________________ to develop and implement an Asthma and Respiratory Health Intervention to address the concerns raised by a number of parents and educators within the district. The contract requires the information detailed below to be collected at the community and school level. This information must then be presented in a clear and coherent manner to the School Board and other interested parties on ______(date due)____. The Intervention component must be designed to respond to the specific needs of the school as determined by the firm's research.

Final Report Requirements

General Background Information on Asthma and Common Respiratory Ailments

1) Define Asthma, and other major respiratory illnesses

2) Symptoms

3) Physiology

4) Causes/Triggers

5) Our Community
   a. How common is asthma in our community?
   b. Sources
   c. Resources

6) Our School
   a. How common is asthma in our school?
   b. Sources
c. Resources
d. Recommended Intervention
e. Goals
f. Procedure
g. Cost
h. Time Frame

Each section must contain one graph and one chart, table, or map.

Report must incorporate information gathered from interviews with two (2) people with relevant experience to the topic.

Data and information should not be duplicated in the final report.

Final report can incorporate multi-media, video, etc.

Final report must not be longer than 30 minutes, allowing some time for audience questions.

Team Members Sign Below:

Project Supervisor:______________________________________________________________