Outline for AMBIENT Air Module

I. Teacher's Resources
   a. Teacher's Guide to Air Quality/ Respiratory Illness
   b. How to Use This Module
   c. Glossary/Bibliography

II. Air Scenario: Environmental Consulting Firm Assignment
   a. Video
   b. Scenario Introduction/ Contract (#1)
   c. Research and Present (#2)
   d. "Our Community" Asthma Quiz (#3)
   e. School Survey (#4)
   f. Final Report (#5)*

III. Environmental Air Quality Risk Survey: Micro- to Macro-

IV. Asthma "Outbreak" Exercise

V. GIS Case Study - Wildfires in Mexico

VI. Air Quality/ Asthma Labs
   a. Plants/ CO₂ Lab - Atmosphere Team/Outdoor Team
   b. Temperature Inversion - Atmosphere Team/ Outdoor Team
   c. Particulate Observation Lab - Indoor Air Team
   d. Indoor Air Pollutant Sensing (2) - Indoor Air Team
   e. Straw Breathing Exercise - Human Health Team
   f. Peak-Flow Meter Study - Human Health Team

VII. Creative Writing
   a. Writing for Healing Exercise/Discussion
   b. Breath as Metaphor - Poetry Exercise

VIII. Critical Reading: Air Pollution and Asthma

IX. Debate: "Indoor Air Pollution vs. Outdoor Air Pollution: Which is the More Serious Threat to Public Health?" *

* Indicates potential "Culminating Experiences" for the module.