Modeling Expectations

Using math takes practice... a lot of practice.
Expectations for Modeling Homework:

- Each group of 3 to 4 students will turn in one solution set.
- Both problems must be attempted and have work shown.
- Indicate which *one* is the model you would like considered for credit. The Modeling rubric will be used to determine its grade.
- The model to be considered for credit should be 1-3 pages long.
- Write up should contain story like elements similar to the article reviewed in the Reflections assignment. That is, alternatives that were considered should be introduced and reasons should be given for why they were incorporated or abandoned.
- Write up should include more words than computations. Lots of words... in sentences...

Expectations for Facilitating Class Discussion on Model :

- Groups will be randomly chosen the day of discussion. This means your group may present a the model that the group did *not* elect to have marked.
- No prepared visuals are expected.
- In 15-20 minutes:
    - all group members must participate,
    - define the problem including assumptions and notation,
    - outline the most promising current model created by the group and justify *why* it is so promising,
    - highlight weaknesses with current model, and
    - manage a class discussion focused on how to improve the group's model.

A note about the Internet: The internet provides you with *lots* of information, models, and research that you can (and should!) use. If and when you use this information you *must* cite your work. Generally this information is effective for providing historical context, identifying technical assumptions, and providing a comparison to the model you create. That all said, these assignments are *not* about interpreting someone else's research but rather building your own! Significant work should be your own.