Module 7
Capstone Project Outline

Teacher Name ____________________ School __________________________
Course Title _____________________ Topic/Unit _________________________
Model Topic _____________________ Modeling Tool ____________________
Model Attribution (credits to original model source) ____________________

1. Explain why you selected this particular topic.

2. Explain why you chose this modeling tool for this topic.

3. List the main ideas inherent to this topic and describe how the computer model will help the students understand these ideas.

4. Describe the preparation you will do with the students prior to using the model.

5. Computer models are useful tools for hypothesis-testing. Describe some sample hypotheses that your students could test with this model.

6. Describe how you will assess whether the students have gained the understanding you expected from the model. Include one or two sample questions, and explain how these questions will help you uncover student understanding.

7. Depending on whether you modified an existing model or built one from scratch:
   a. Demonstrate the enhancements you made
   b. Demonstrate the coding done to create the model