1.11 Unit 1 Quiz and Prototype Presentations

**Summary**
Students complete Unit 1 by taking a quiz. As groups, they present their prototyped designs to the class.

**Learning Objectives**
After this class, students will be able to:
- Communicate the functionality and features of a designed solution.

**Materials**
None needed.

**Time**
80 minutes

**Procedure/Pacing**
1. Administer a quiz on this unit.
2. As a group, students present their design to the class. Their presentations should be graded using the Presentation Rubric below.

Rubric: (possible 4 points each)
- Clearly explain the functionality of the design.
- Explain how the design meets the design requirements.
- Discuss why this particular design was chosen over other designs you considered.
- Improvements made or recommended based on the prototype experience.
- What additional testing would be required before taking this design to manufacturing?

Points Possible: 20

3. As a class, discuss the different solutions to the original problem. Ask questions like: What are the pros and cons of the various designs? What suggestions might you have to improve a design? What questions might you have about a design?
In-Class Assignment
Assignment 1.11i: Final Prototype Presentation

Resources

Homework
Assignment 2.1h: Introduction to Civil Engineering