(A) Student Handout. Tips for Presentations

1. **Do your research.**
    In order to give an engaging presentation, you need to know what you're talking about. You don't have to become an expert, or read every book or website ever written about your topic, but you should be able to answer questions.

2. **Write note cards.**
    Write main ideas; you can use the worksheet, *(B) Topics to Include in Presentation*. Don't write details. Put in some fun facts, interactive questions, and other interactive activities on the cards to share with the class.

3. **Practice.**
    In most presentations, it is pretty obvious who has practiced and who hasn't. Practice in front of your family or friends, or in front of the mirror, and give your presentation. You'll feel a lot more confident when you do the real thing and you'll eliminate the "likes" and "ums" that those who try to "wing it" will have.

4. **Smile at your audience.**
    When it comes time to present, there's nothing that draws your audience into your presentation than a good old fashioned smile. Be happy; you're about to teach your entire class something they didn't know before.

5. **Make eye contact.**
    Nothing is more boring than listening to a presenter who looks at the floor or at notecards. Relax. Talk to your audience like you would your friends.

6. **Be sure to have inflection in your voice.**
    Your goal is to engage your audience, not put them to sleep. Be animated about your topic. Talk about it as if it was the most interesting thing in the world. Your classmates will thank you for it.

7. **Use hand motions.**
    Move your hands along as you talk, using them to emphasize points and keep the audience interested. It will also channel your nervous energy into a better place.

8. **Have a good conclusion.**
    You've probably heard the presentations that end in something like "um... yeah, Your conclusion is your final impression on your audience, including your teacher. Make it exciting by introducing a final statistic, or come up with something creative to do at the end. Your conclusion can be anything so long as your audience knows you're finished.

Source: wikiHOW. (2011, November 9). *How to do a presentation in class*. Retrieved January 18, 2012 from http://www.wikihow.com/Do-a-Presentation-in-Class

Student Guide

(B) Student Worksheet. Topics to Include in Presentations

You will have 10 minutes to complete your presentation. All group members must participate equally. Topics to include in your presentations include the following:

1. Your names and the name of your community.

2. The location of your community on Mars and the reason(s) you selected it.

3. Summarize how the priorities in your community design addressed societal challenges and human needs, including sustainability, cultural, and other factors.

4. Explain how your community model provides scientific and technological solutions to meet human needs given environmental constraints (the extreme environment of Mars):

   • Temperature

   • Radiation

   • Lack of oxygen

   • Reduced Atmospheric pressure

   • Dust

   • Gravity

   • Water

   • Food

   • Other ideas (sports, music, education, etc.)

5. Conclusion

Student Guide

(C) Student Handout. Presentation Checklist

Self-reflection

Directions: use this checklist to evaluate **your own** practice presentation.

- ☐ My part of the presentation takes no more than a few minutes.
- ☐ I participate equally.
- ☐ I introduce myself.
- ☐ I include the name of our community.
- ☐ I use environmental constraint vocabulary correctly.
- ☐ I explain how a technology (or part of our community model) addresses a problem.
- ☐ My presentation ends with a strong conclusion.
- ☐ I smile when speaking.
- ☐ I make eye contact with the audience.
- ☐ I speak with inflection in my voice.

Group Feedback

Directions: use this checklist to evaluate **your group's** practice presentation.

- ☐ Our presentation takes no more than 10 minutes.
- ☐ All group members participate equally.
- ☐ We include the name of each group member.
- ☐ We include the name of our community.
- ☐ We use environmental constraint vocabulary correctly.
- ☐ We explain how each technology (or part of our community model) addresses a problem.
- ☐ Our presentation ends with a strong conclusion.
- ☐ Each person smiles when speaking.
- ☐ Each person makes eye contact with the audience.
- ☐ Each person speaks with inflection in his or her voice.