You are going to create a lesson (6-10 minutes) that you will teach our class. Choose any science topic that can be related back to our textbook.

Give a review of important concepts and background information on this topic. This information should be related to your research interest (instructions below). For instance, if your interest is in drugs that prevent cancer by affecting cell growth, you should give a review of the cell cycle, its control system, mitosis, and cancer to refresh your audience on the background. You cannot assume they will remember everything taught this year.

Give a brief overview of various careers that stem from this subject area. Choose one that interests you, and provide more detail on it. For instance, if your interest is Environmental Science, name and describe common jobs in the field, and then choose one to explore deeper (level of education, where the education/training can be obtained, salary, availability, scope...).

If your chosen career or research topic includes biotechnology, be sure to explain what it is and how it works in your presentation. If, for instance, your research topic involves MRI images, explain that MRI stands for magnetic resonance imaging and then briefly describe the science behind it.

What are the current trends in research in the area you chose?

Pick one specific research topic of interest and give an in-depth summary of the research, the techniques being employed, information about the experimental design, its purpose, conclusion... Be sure to report on the applications or reasons for the research.

Finally, what other information about this field should the audience be aware of? Why was it of interest to you? If you are planning on pursuing a field involving this topic, where would you like to obtain the necessary training?

**GRADING:**

On Time: ______ of 05

Current Research: ______ of 15

Background Science: ______ of 20

Future Research ______ of 05

Biotechnology: ______ of 10

Visual Presentation: ______ of 10

Careers in Field: ______ of 05

Auditory Presentation ______ of 10

Focus Career: ______ of 15

Class Engagement ______ of 05

**Overall Grade** ______ of 100
Senior Option

If, and only if you are a senior...

1. What are your long term goals/career goals?
   a. Link (as best you can) some topic in science... For instance, you want be a lawyer, you could discuss forensic evidence... use your imagination.

2. What are your plans immediately following high school?
   a. Anything exciting this summer
   b. What will you be doing next fall?
   c. Describe where you'll be working/attending school/military branch you'll be serving (have fun with this)

3. What have you done in high school to prepare for your post-high school plans?
   a. What classes have you taken
   b. Tests and test prep
   c. Application process
   d. Activities/clubs/sports/volunteering/jobs... Resume builders

4. Try to remember your first few days of high school, if you could go back and talk to your newbie freshman self...
   a. What 3 major pieces of advice would you give yourself?
   b. What else would you want to tell yourself?