

## **Astronomy: Final Assessments Options**

Below are three options for you to do over the next two months. Some options are easier but you have to do on your own (However, you can get help from me.). Some are harder but can be done in groups. Anybody who chooses to do the group projects must be willing to do a lot of problem solving on their own. All options will be worth the same amount of points, and the final assignment or end product will be counted as a test grade.

Everyone has two months to complete one of the following options. Due dates for certain options are listed below, but the final product or assignment will be due on Friday, February 1st.

### **Option One:**

Book readings, questions, worksheets, and some small activities finished with a take home test.

- This option is the least challenging one, with the most work. Everyday, you will use your class time to read specific chapters from the book (or digital sources), answer section questions, do activities with follow-up questions, and finish with a take home test. I will do a reading group with anyone who would like to do this option, but all assignments must be done on your own. However, feel free to ask for help!

### **Option Two:**

**NASA Lunar Colonization Project: Energy and Power**

- This is a group project (no more than five people in a group, no less than three). You will work with your group members to go through the NASA Lunar Colonization packet and your final project will be to design and construct a lunar colony out of recycled materials. You may use Google Sketch-up or another computer program to design your colony. I will be available to help answer questions, but you must be willing to do most of the problem solving on your own and with your group.

### **Option Three:**

**NASA Space Settlement Contest**

- This is also a small group project (no more than five people, no less than three). You and your group members will work independently and enter NASA's Space Settlement Contest. Using the various internet resources available to you through the contest website, you will design a ten page proposal for a space settlement, according to the contest rules, and submit a written and illustrated entry to NASA. If you and some team members would like to pick this option, you are invited to stay after school, as needed for additional help and support on creating your entry for this contest. Contest winners will have their entries posted on the NASA website and are given a \$5,000 award. A rough draft of your entry will be due on February 1st; however, we can continue work on improving your entry, until the March 15th deadline.