

# Destination Solar System Project

Earth Science

Mr. Traeger

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Subject: \_\_\_\_\_

## Purpose

The purpose of this project is to gain a more intimate understanding of a solar system body. You can research a planet, moon, comet, dwarf planet, or any other solar system body of your choosing. Students will also develop research, artistic, writing, and computer skills using Power Point software.

## Assignment

- This is a paired project or single project. No more than 2 students in a group are allowed. Your assignment for this project is to imagine that you are a travel agent in the year 2112. Space travel is now a viable option due to our development of space travel beyond the speed of light. You are selling trips to various places within the solar system by going around and giving Power Point presentations to your customers. You will research a topic in depth and create a Power Point project to sell your destination to the public. You must be creative in your sales approach and must inform the public of everything they can expect to see when they arrive at their destination.
- Selecting a Topic: You should select a topic/destination that will appeal to yourself and your audience.
- Once you have done some preliminary research and have selected a topic, you will need to do more in-depth research. Most of this research will be done in class using the MacBooks. Any additional research time and work time will be on your own. You should look at mainly sources from the Internet, but you should be careful as to what sites you choose. I have a few links posted under the Internet Investigations and Astronomy heading on the class web site as well. The link is <http://home.lcusd.net/lchs/ttraeger/>
- Make sure you cite your sources in a bibliography at the end of your Power Point slide show **in correct MLA format! Do not** cut and paste text off of a website. **Rewrite the text in your own words.** You may print out pictures off of websites, as long as you cite your source. You must have at least 5 sources that you will actually use. Please use Noodle Tools to build your works cited as you go. Mrs. Bozzani has told me that you were just taught how to do this for your iSearches!
- Compile your research into a Power Point Presentation. You should have around 10 slides worth of solid text, including pictures and animations. You should do all that you can to use animation and color. **Be creative!!!**

## Major Questions to Answer

1. How long will it take to get to your destination? What will the space ship be like? What accommodations and types food will be provided to travelers? How will you keep passengers healthy on their way to the destination? In other words, how will you keep travelers healthy in a low gravity environment?
2. What will your customers see when they get to their destination? What are the basic landforms and features that they will see?
3. What kind of weather exists on your solar system body? Does your solar system body have an atmosphere to accommodate life, or will your customers be living in a bio dome?
4. Is there a source of water on your solar system body for recreation and life? If not, what will your customers do for fun?
5. What kinds of geology exist on your solar system body? People colonizing the solar system body will need to know this when they go looking for natural resources for building things.
6. If your planet does not have an atmosphere, then how will you protect your customers from solar radiation and micrometeoroid bombardments?
7. What will recreation and sports be like on your solar system body? In other words, how high will a person jump on your solar system body due to changes in gravity?
8. How will people obtain food and fuel for society? How and where will they grow food and make fuel?
9. What other things will humans need to do to be able to support life on the solar system body?
10. Why is your solar system body a much better destination than a vacation destination here on Earth? Sell your destination to your customers!

## Project Timeline

- Final project due **Friday, April 13, 2012**. I recommend that you work hard to get most, if not all, of your project done on the MacBooks in class.

## Turning Your Project In

- You will first save your project to your student directory on the school server. Ex) %a:\LCHSNV2\VOL1\USERS\STUDENTS\year graduating\your ID #+. You will name your file with your last name\_first name\_du\_project. Ex) %aeraeger\_tom\_destination\_solar\_system\_project+
- You will copy this file to the main project folder on the server by doing the following. 1) Right click %copy+on your project filename. 2) Select drive %a:\LCHSNV2\VOL1\STUDENTW+3) Double click %traeger+folder. 4) Double click %Destination\_Solar\_System\_2012+folder. 5) Double click on your period+ folder. 6) Right click %paste+to save your project. I will then be able to pick up your project and read it.

**Grading:** See the rubric on the reverse side.

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Please turn this rubric in with the final project. It will serve as a means for assessing your project.

| 0 = F  | 1 = D   | 2 = C   | 3 = B  | 4 = A  |
|--|---|---|--|--|
| <b>Content: Worth 30 points total</b>  |   |   |  |  |
| <ul style="list-style-type: none"> <li>▪ Project not done</li> <li>▪ <b>Content plagiarized</b></li> </ul> | <ul style="list-style-type: none"> <li>▪ Project late 3 days</li> <li>▪ Poorly written</li> <li>▪ Insufficient amount of content. Way less than 10 slides (15 geology)</li> <li>▪ Missing sufficient amount of content</li> </ul> | <ul style="list-style-type: none"> <li>▪ Project late 2 days</li> <li>▪ Average writing</li> <li>▪ Missing a fair amount of content</li> </ul>                                  | <ul style="list-style-type: none"> <li>▪ Project late 1 day</li> <li>▪ Good, standard level of writing</li> <li>▪ Missing some content</li> </ul>              | <ul style="list-style-type: none"> <li>▪ Project on time</li> <li>▪ Excellent, creative level of writing</li> <li>▪ <b>Addresses all interest areas</b> that relate to the topic.</li> </ul>   |
| <b>Aesthetics (Looks and Layout): Worth 10 points total</b>  |   |   |  |  |
| <ul style="list-style-type: none"> <li>▪ Project not done</li> </ul>                                       | <ul style="list-style-type: none"> <li>▪ Standard presentation with no pictures</li> <li>▪ No method to layout</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Standard presentation with minimal use of pictures/visual aids</li> <li>▪ No animation</li> <li>▪ Minimal thought to layout</li> </ul> | <ul style="list-style-type: none"> <li>▪ Creative presentation with pictures used sparingly.</li> <li>▪ Minimal animation</li> <li>▪ Layout is okay</li> </ul> | <ul style="list-style-type: none"> <li>▪ Uses full range of color and employs a layout that is pleasing to the eye</li> <li>▪ Pictures are integrated with the text.</li> <li>▪ Extremely Creative</li> <li>▪ Uses animations and slide transitions</li> </ul> |
| <b>Bibliography/Works Cited: Worth 10 points total</b>   |   |   |  |  |
| <ul style="list-style-type: none"> <li>▪ Project not done</li> </ul>                                       | <ul style="list-style-type: none"> <li>▪ No citation used</li> <li>▪ No parenthetical documentation</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Incorrect MLA citation format</li> <li>▪ No parenthetical documentation used</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Incorrect MLA citation format</li> <li>▪ Parenthetical documentation used</li> </ul>                                  | <ul style="list-style-type: none"> <li>▪ Correct MLA citation format</li> <li>▪ Parenthetical documentation used</li> </ul>  |
| <b>Final Grades</b>  | <b>Content</b>  | <b>Aesthetics (Looks)</b>   | <b>Bibliography</b>  | <b>Totals</b>  |
|  |   |   |  |  |
| <b>Project Due on April 13, 2012</b>   |   |   |  |  |
| <b>Grand Total out of 50 points possible:</b>  |   |   |  |  |

**Comments:**