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

Interstellar Real Estate Bulletin

Oh No! Earth collided with an asteroid and has been annihilated.

As your planets top Property Agent, your loved ones are counting on you to convince Elon Musks’ SpaceX program and the wealthy refugees of Earth to choose your struggling planet for their new home.

Your task: Create a presentation that compares and contrasts your planet to Earth. You are required to teach your potential clients and classmates about its specific components and characteristics.

To be successful in this challenge you should be able to…

1. Recognize that the other eight known planets, which revolve around the Sun, have characteristics and surface conditions that are different from Earth; and identify examples of those differences.

2. Recognize that not only Earth, but also other planets, have moons; and identify examples of similarities and differences in the characteristics of those moons. (compare and contrast)

It is your choice to choose what you feel is the most optimal way to present what your planet has to offer. You must keep in mind that humans are picky, and have strict protocols and expectations for what should be included in your planetary sales pitch.

Possible presentation platforms:

* Brochure
* Power-point
* Website
* Poster
* Commercial
* Info-graphic

Part A: Research Using books, Sky Science apps, or encyclopedias plan out your research, presentation and other important work you completed to prepare. Be sure to keep track of your sources from your research!

• Where did the planet get its name?

• How was the planet formed or created? Write a paragraph that explains what you know.

Use this link to start your research:

[www.symbaloo.com/mix/hansen-duhragrade6](https://www.symbaloo.com/mix/hansen-duhragrade6)

Part B: Compare and Contrast your planet to Earths

Your presentation must include:

* At least 5 interesting facts or characteristics about your planet
* A table or chart comparing (to Earth) the
  + Size
  + Circumference
  + Diameter
  + Relative Size (In comparison to earth)
  + Distance from the Sun
  + Orbit time
* Atmospheric components
* What planet is made of (composition)
* Does the planet have moons?
* Surface conditions

**Part C: Terraforming the Planet- Science Fiction meets Reality**

Terraforming refers to the idea that we one day may be able to transform a planet so it is habitable for human life. Using research, expert opinions, and your IMAGINATION, provide 2-3 additional slides or , stating what would have to happen to the planet for humans to be able to inhabit the earth and provide a imaginative solution to completing this task.

Include your works cited page:

You will need a minimum of two sources for this project, one online and one book/print material. Keep track and list all of your sources using the appropriate format. We will spend time in class reviewing the appropriate format.

**Your final submission will include:**

1. Your research and notes/planning work and paragraph from Part A

2. Your presentation with all requirements, as well as any extra data for Part B

3. Terraforming the planet Part C

4. Your works cited page

**Be creative and have fun!**

My planet is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Level 4 | Level 3 | Level 2 | Level 1 |
| Understands and makes connections between concepts | All of the following information has been provided:  -Background paragraph  -Compare and Contrast of Planet (Size, circumference, diameter, relative size, distance from the sun, orbit time, atmospheric conditions, temperature, composition, surface conditions, moons)  Demonstrates above and beyond understanding of their planet.. Student has done independent research and provided information beyond what was provided in class. | All of the following information has been provided:  -Background paragraph  -Compare and Contrast of Planet (Size, circumference, diameter, relative size, distance from the sun, orbit time, atmospheric conditions, temperature, composition, surface conditions, moons)  Demonstrates good understanding of their planet Good details are given, and quality is shown. | Most of the following information has been provided:  -Background paragraph  -Compare and Contrast of Planet (Size, circumference, diameter, relative size, distance from the sun, orbit time, atmospheric conditions, temperature, composition, surface conditions, moons)  Demonstrates basic understanding of their planet Basic details are given. Bare minimum work. | Missing 3 or more of the following:  -Background paragraph  -Compare and Contrast of Planet (Size, circumference, diameter, relative size, distance from the sun, orbit time, atmospheric conditions, temperature, composition, surface conditions, moons)  Does not demonstrate understanding of their planet. |
| Analyzes and solves problems through scientific reasoning | Terraform Section: Imaginative and creative, while calling upon expert opinions in the field. High degree of thought and research has gone into the solution. | Terraform Section: Imaginative solution, with a well thought out idea.  Good attempt is made at using research to find a solution | Terraform Section: Basic solution. Some attempt is made at using research to find a solution. | Solution is not complete.  No attempt at research to find a solution. |
| Develops skills for inquiry and communication | Sources: Sources are recorded at the end of the Sales Pitch.  8-10 sources are used from a variety of sources: Books, Websites, Encyclopedia Articles, Videos, Podcasts  Sales Pitch: Excellent neatness and organization of presentation. Titles, headings, bullets, and lists are all utilized. Images are connected to content and add to the presentation. Details are excellent, but concise. | Sources: Sources are recorded at the end of the Sales Pitch.  6-7 sources are used from a variety of sources: Books, Websites, Encyclopedia Articles, Videos, Podcasts  Sales Pitch: Very neat and strong organization of presentation. Titles, headings, bullets, and lists are utilized. Images are connected to content and add to presentation. Details are good, but could be edited. | Sources: Sources are recorded at the end of the Sales Pitch.  4-5 sources are used from one type (mostly websites).  Sales Pitch: Neat; information is mostly organized. Some attempt at titles, headings, bullets and lists are used. Images are somewhat connected to content and add to presentation. Details are basic, and could be edited. | Sources: Sources are used, but they are either not applicable, or not enough.  Sales Pitch: Messy and unorganized. No attempt at headings or titles.  Images do not add to content or presentation. Details are not complete. |
| Constructs meaning and makes connections through speaking | Excellent enthusiasm is evident  Presentation was rehearsed (essentially no reading, high level of eye contact, voice modulation). Presentation is interesting and creative. Audience in engaged because everyone is included, the presentation is interactive, and everyone can hear. | Good enthusiasm is evident.  Presentation was rehearsed (minimal reading, high level of eye contact, voice modulation).  Presentation is interesting and creative.  Audience is engaged because everyone is included and everyone can hear. | Some enthusiasm evident.  Presentation was somewhat rehearsed (reading, but made eye contact with the audience, attempt at voice modulation).  Presentation is somewhat interesting or creative.  Audience is engaged because everyone is included and everyone can hear. | Presentation has very little enthusiasm  Presentation does not feel rehearsed (read product and/or did not make eye contact with the Audience)  Presentation lacks audience interest because not all students could hear, or the audience was not engaged. |