**Earth vs Mars/Venus Project**

You are a scientist working on the first land based outpost on Mars OR Venus. Choose the planet that you would like to be on and complete the following activities.

1. Create a detailed and labeled drawing of your outpost. Remember that you are on a planet with very different water, temperature, and atmospheric conditions from Earth. Your drawing must include the structures or devises that you will use to get around all of the differences and make it inhabitable by humans.
2. You will need to create a two paged (typed) explanation of your drawing and your ideas to get around all of the differences between your planet and Earth. (Compare and Contrast Earth and Your Planet)

For your project talk compare and contrast

* the layers of the atmosphere on Earth vs your planet
* the types of gases found in the atmosphere of your planet compared to Earth
* the existence of water
* The pressure of the atmosphere
* The greenhouse effect
* The existence of ozone layer on your planet compared to Earth

*Written Reports*

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| **Grade** | **Reason** |
| 4 | Good grammar, very detailed descriptions, uses all correct science terms and concepts |
| 3 | Good grammar, somewhat detailed descriptions, made 1-3 mistakes on science terms and concepts |
| 2 | OK grammar, few details in the descriptions, made 4-8 mistakes on science terms and concepts |
| 1 | Mostly incorrect grammar, no details, made numerous mistakes on science terms and concepts |

*Drawings*

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| **Grade** | **Reason** |
| 4 | Detailed drawings, completely labeled, colored, neat |
| 3 | Mostly detailed drawings, missed 1-3 labels, colored, mostly neat |
| 2 | Almost no detail to drawings, 3-7 missed labels, not colored |
| 1 | Very little detail, few labels, not colored |