Astronomy Project

It's time to colonize the solar system! You are in charge of designing a colony to support humans on your planet. If your planet has moons, you may choose to design a colony for one of the moons of your planet. Your finished project will be a model that shows what your colony looks like. It can be made of whatever materials you choose, but it must accurately depict your colony. You will also turn in a written essay describing your colony. Your essay will also discuss your planet or moon. You must write about the difficulties of supporting human life on your planet and the ways that your colony overcame those difficulties.

There will be six parts to this assignment: two worksheets, a drawing, a journal entry, an essay and the model or poster. They will be due at different times during the remainder of this school year. You will be given specific instructions for each assignment at a later date.

Assignment #1: Research your planet

Your first step is to research your planet. Some things you will need to know are: temperature, gravity, surface, amount of light, length of day, length of year, and atmosphere. You will also need to think about what resources are available on your planet and what resources you will need to provide for the colonists. As you are learning about your planet, fill out the form labeled Assignment #1. This form is due on ________________.

You may collaborate with other people when researching your planet, but everyone must do their own project. If you have access to the internet you may want to use it to research your planet or moon. Here are some useful links:

http://vathena.arc.nasa.gov/curric/space/planets/
http://www.nineplanets.org/
http://www.solarviews.com/eng/homepage.htm
http://www.the-solar-system.net/
http://www.science Monster.com/planets.html
Final Project Assignment # 1

Name: _________________________

Planet: _________________________

Temperature range: ____________________________________________
_________________________________________________________________

Gravity/Atmospheric pressure: _____________________________________
_________________________________________________________________

Surface: ______________________________________________________
_________________________________________________________________

Distance from Sun: ______________________________________________

Amount of light: _________________________________________________
_________________________________________________________________

Length of day: ______________________________

Length of year: ______________________________

Atmosphere: ____________________________________________________
_________________________________________________________________

Available resources: _____________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

Other: _________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________