# The Next Frontier: Nextworld

Last year I created my own city in Northwestern Ontario.

This year: designing an interplanetary base.

I have been approached by industry experts to design a base on another planet. I have been told that this planet closely resembles earth, with an atmosphere, but not one easily breathable without a mask (aka. It is not poisonous).

We will be able to get people and material to this planet through a one-way wormhole.

However, I do not have enough time to plan this base out or do much of the initial design, what with having to create presentations, assignments, and tests for my students. Therefore, I will have you do the work for me ☺

What type of industries would we want? Research and development? Solar plants? Aquaculture? Bio-dome multi-resource culture?

What type of transportation would we use? Hyperloop? Monorail?

Think outside the box.

## Documentation

Need to brainstorm many different ideas. Git is a perfect solution for this. Initially each document will be created with a few points. With each edit (and subsequent commit):

* details will be added to different points
* different points themselves can be added
* edits to details can occur
* etc.

Documents should investigate and provide appropriate support literature for their area of concerns. Support literature can contain diagrams, schematics, references to any other existing systems in place. If any documents are images, save the images to the working space with a proper name, and reference the image in the document (image: uniqueImageName.png).

The end document will be created out of the different sub documents. To facilitate the final document creation, each sub document will have the header of the problem it is working on, and any sub-headers to aid in clarification, followed by details

Initial documents that could be looked at:

* Energy creation
  + No petroleum products detected on the planet
  + Geothermal, wind, solar in abundance
  + Could investigate other forms
* Communication
* Food production
* Science
* Governance

## Website

* General information
  + Who we are
  + Purpose of this settlement
  + Why go here?
  + Available attractions
  + And more - creativity
* Planet information
  + Have fun, be appropriate
  + Provide descriptions of the planet, the system
  + Provide any images from the area, etc.
* Program signup
  + We need to populate our new base with people. We will create an online registration system where we will record hopeful’s information
  + Initially we need to take their first and last name, country of residence, birthdate, professional skill
  + This can be modified and added to as seen fit
  + Stored in a text file.
* We want to attract businesses, industries, recreation, residents and visitors

## Media

We will need a group with media skills to create a few posters to

* Sell the planetary colonization
* the hunt for qualified residents
* etc.

# The Project

In the end we will have the various “chapters” for the document, a web page that would advertise for our project, and hopefully some media.

This document has a lot of leeway. However, it must be tasteful and respectful. I will mark hard against anyone who contravenes this.

Sign up in groups of 2 people and select one aspect to work on. Start thinking and creating notes of how you want to procede.