

Looking Toward Your Future - Sustainability.

For your final you will be asked to utilize all of these topics in biology to design a utopian (perfect) living space for the future that could be sustainable. This year you have studied: biochemistry, cell functions, body functions, ecology, man's interaction with the environment, and how all of these things affect our health. You should use this knowledge to create this environment.

Your project should have the following components:

1. A drawing showing the size and location of things in the utopia.
2. The location of all of the necessary components and an appropriate area is designated to each.
3. A list of key laws to help facilitate the people living in the utopia. (box in yellow)
 - a. Near zero carbon footprint
 - b. How will we not exceed carrying capacity?
 - c. How will we insure a genetically diverse population?
 - d. Maintain a balanced ecosystem.
4. A description of how the people in the utopia get around. (box in green)
5. What is the source of energy they will use, and what are its limitations? (box in red)
6. Waste management systems should be in place. (box in blue)
7. A clean water supply. (box in blue)
8. Facilities for recycling. (box in blue)
9. A food supply that provides all macromolecules, pro and prebiotics, as well as reduces carcinogens. (box in brown)