

INCOMING FRESHMAN SUMMER ASSIGNMENT

Directions: You are the owner of a robot manufacturing company. This summer your company will be creating its greatest invention yet! Using the directions below, please be sure to complete all parts of this assignment and bring your robot with you on the first day of school. Please feel free to email Mrs. Nuñez with any questions you may have (cnunez20@newdorphps.org).

Part 1

Create a 3D model of your robot using modeling clay. Feel free to use other supplemental materials to construct your project (i.e.-cardboard, buttons, toothpicks, etc.). You MAY NOT use manufactured items that can be bought in a store (ex-mechanical robot, dolls, etc.)

Part 2

Using a poster board be sure to provide the following information:

1. What is your robot's name?
2. What does your robot do? What is its main purpose? How does it help people?
3. Explain the different features of the robot. How does the design of the robot help your robot to function?
4. How much would you charge for the service of this robot? Would you charge a one time fee? Or some kind of repetitious fee such as a rental, lease, or subscription?
5. If you choose to provide your robot's services for free, how will you acquire the necessary funds to create your robot?
6. How much of this product will be made and distributed? Will your product be a mass produced household item or something that is only used for big organizations (i.e. - hospitals, schools, etc.)?
7. What source of energy (i.e. - solar, electricity, gas, etc.) does your robot need to run ? How will your robot be provided the source it needs to run once it leaves your factory? Do customers need to purchase something in addition to the robot for energy?
8. Identify two safety concerns with your design. What safety features are included in your design to help ensure the safety of humans using the robot?