**MANUFACTURING DESIGN**

**Introduction:**

Have you ever wondered how the products you buy at stores end up on the shelves? Do you know the number of steps that it takes to make a finished product? Have you ever asked yourself how a product was made? The products we use today go through many steps before they are a finished product and ready for us to be purchased.

**Challenge:**

In this activity you are going to design and mass produce a product from a raw material to a finished product.

**Constraints:**

* The product must be made from at least **6 different parts.**
* The product will be produced using an assembly line.
* Each person in the group will be in charge of an assigned step in the process.

**Deliverables:**

* 5 brainstorming/thumbnails of the final product \_\_\_\_\_\_\_ 25 pts.
* 1 final sketch of the finished product \_\_\_\_\_\_\_ 25 pts.
* Multiview sketch of each individual part (dimensioned) \_\_\_\_\_\_\_ 25 pts.
* Daily log of tasks completed \_\_\_\_\_\_\_ 25 pts.
* Schedule of each assigned tasks/assembly process \_\_\_\_\_\_\_ 15 pts.
* Final constructed product \_\_\_\_\_\_\_ 50 pts.
* Product consistency \_\_\_\_\_\_\_ 35 pts.

**Total**  \_\_\_\_\_\_\_ 200 pts.