STANWOOD HIGH SCHOOL

ENGINEERING DESIGN 1

PROJECT NAME: Candy Machine

Connections:
Math:

Art:

Purpose (Student Learning Target):
Apply precision measurement skills
Apply Rhino Modeling skills
Apply Design Process

Design Statement/ Parameters:
Your task is to design a Candy Dispenser that will give out distribute a specified number of M&M or Gum balls at a time. The device must use a mechanical system to accomplish the task. Below are some ideas/ resources. Your design must be astatically pleasing and be able to hold at least 1 package of M&M's.

Materials:
1/8" Plywood (12"x24" sheets)
¼", 1/8", ½" Diameter Dowels
Pint Mason Jars
1/16" Acrylic sheets (12"x12") Limit 1 per project
3D Printed parts

Equipment:
You may use the 3D Printer and/ or Laser cutter to make the parts for your candy machine.

Finished Product: The following items must be turned in to earn credit
Create a portfolio entry that includes:

- 2-3 Rendered Rhino pictures
- 2-3 Pictures of the finished model
- Materials list
- Working drawings of parts w/ dimensions
- Working drawings of assembly




http://woodgears.ca/schulteiss/dispenser.html
http://woodgears.ca/reader/index.html