

WALL ORGANIZER

Product Design





DIY WALL ORGANIZER

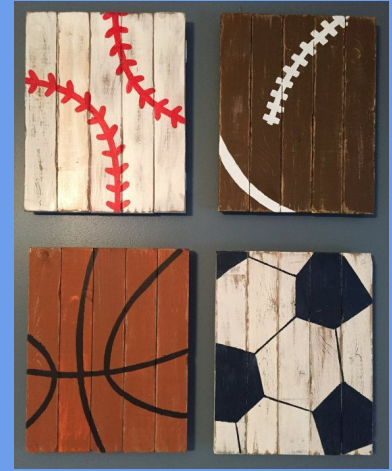




Constraints

1/4" Thickness X 20" Width
X 6" Depth X 20" Height

Must have 10 different features
that perform a function.



5 Extra Credit Pts. for each additional
function feature up to 25 pts.

Must have a THEME applied to design.

Process - Complete the following...

- 1.) “Sketch” 3 different “Isometric” concept designs on ONE page.
- 2.) Select the best solution from your 3 designs.
- 3.) Produce a CAD Isometric Drawing to scale. (Create in Fusion 360)
- 4.) Produce a CAD 3 View fully dimensioned working drawing (Create in Fusion 360).
- 5.) Produce a Parts List from your working drawing.
- 5.) Produce a 3D Scaled Model using Fusion 360.
- 6.) Produce a full size Prototype of your best design solution.
- 7.) Create a full letter size page Product Promo Flyer with the following...
 - (2) Model 3D Views, 1 Photo, Paragraph Description, Itemized Feature List)

Grading Rubric

3 Concept Isometric Sketches (25 pts. ea.)	75 pts.
CAD Isometric Drawing to scale	50 pts.
CAD 3 View fully dimensioned working drawing	75 pts.
Parts List	25 pts.
Scaled 3D Model using AutoCAD	100 pts.
Full size Prototype (Laser Cut)	100 pts.
Product Promo Flyer	75 pts.
Total Points	500 pts.