

Inventor Sumo Car

Assignment:

You now are to create a virtual prototype of the sumo car created in class. This is a virtual representation of the car you designed and built. The purpose of this activity is to document your work in CAD to simulate the work of engineers. Once a virtual prototype is created it can be tested and changed before it is built. Also it can be shared and replicated.

Requirements/Restrictions:

- Must be an exact representation of your design
- All parts included
- Correct materials used in all parts
- Parts, assembly, and drawing file
- ACCURACY



Grading:

Expectations	Points Possible	Points Earned
<u>Wheels:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Axles:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Motors:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Motor Mount:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Large Gears:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Small Gears:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Wire Connector:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Balsa Wood Body:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Eye Hook and Rubber Tube:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Alternate Part:</u> Part is created accurate to the original, dimensions, size and shape.	10	
<u>Total:</u>	100	